

Appendix F

F1 Water quality summary data

F2 Supplementary water sampling data

Murrumbidgee to Googong Water Transfer

Water Quality Summary Data

Chapter 1 Water quality data summary charts

This chapter includes the water quality data summary charts for Burra Creek, the Murrumbidgee River and Googong reservoir, as supplied by ACTEW.

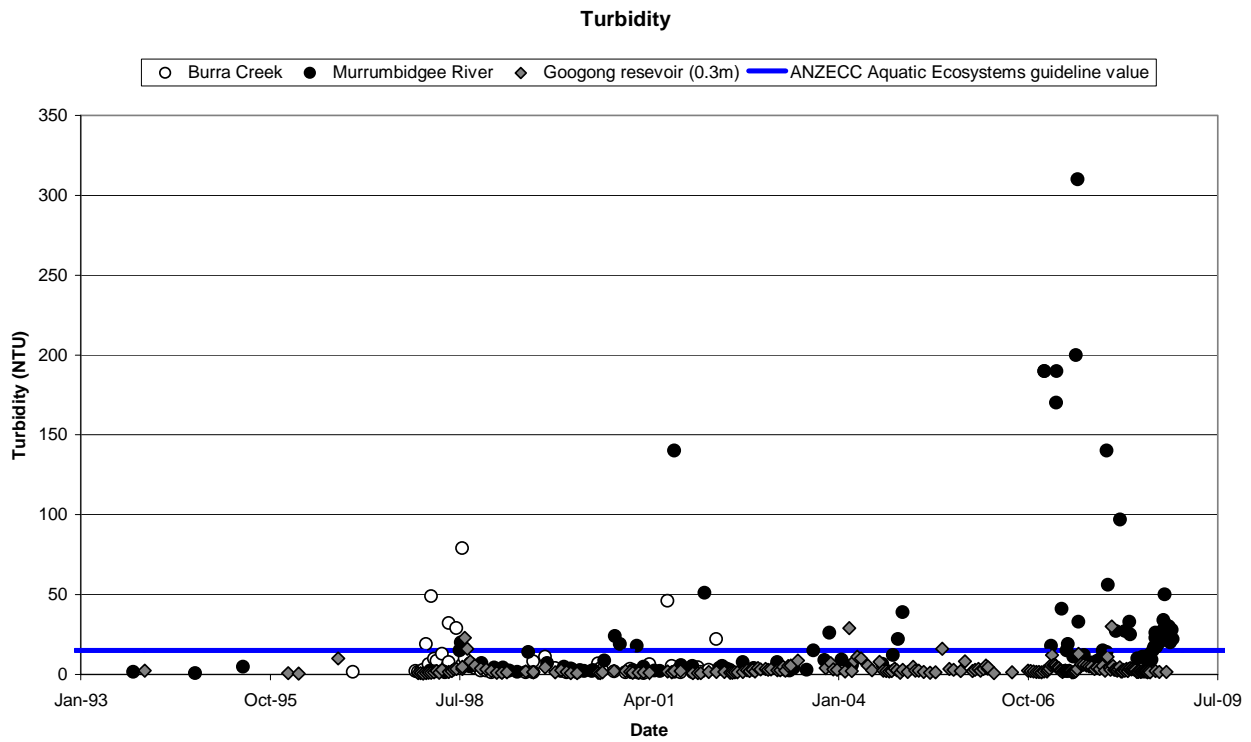


Figure 1.1 Water quality data summary charts – turbidity

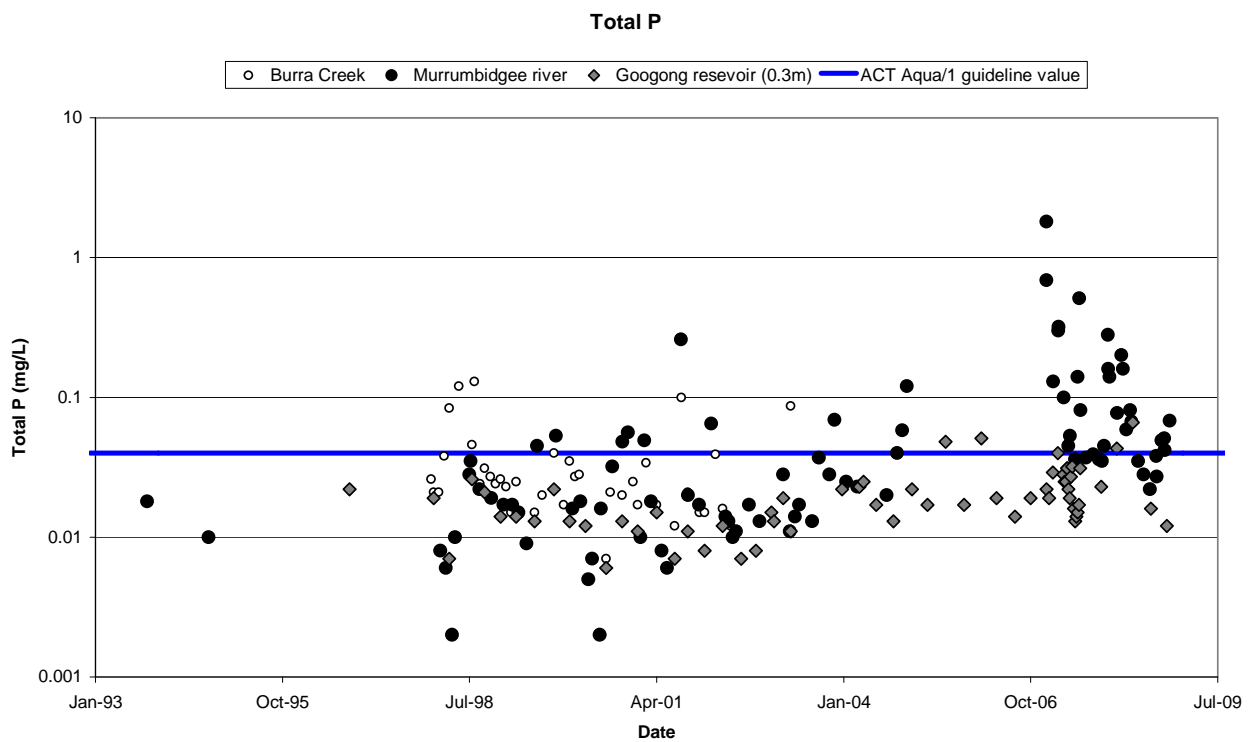


Figure 1.2 Water quality data summary charts – total phosphorous

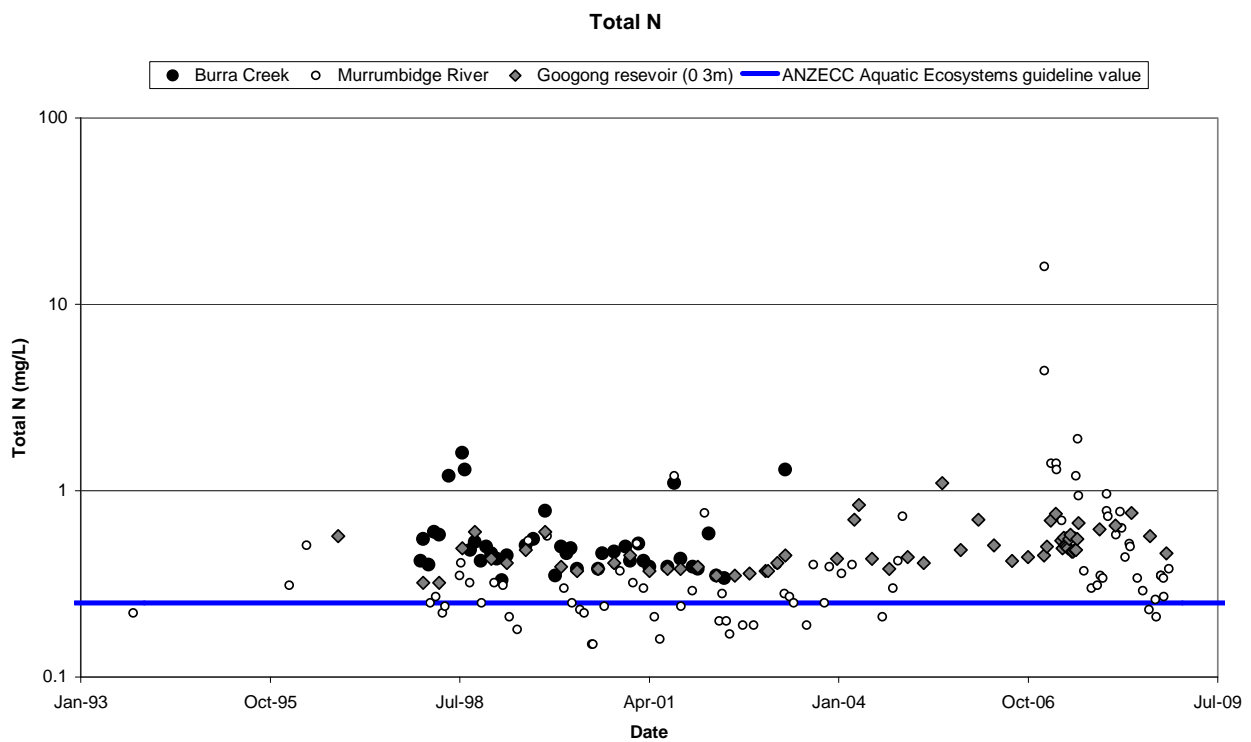


Figure 1.3 Water quality data summary charts – total nitrogen

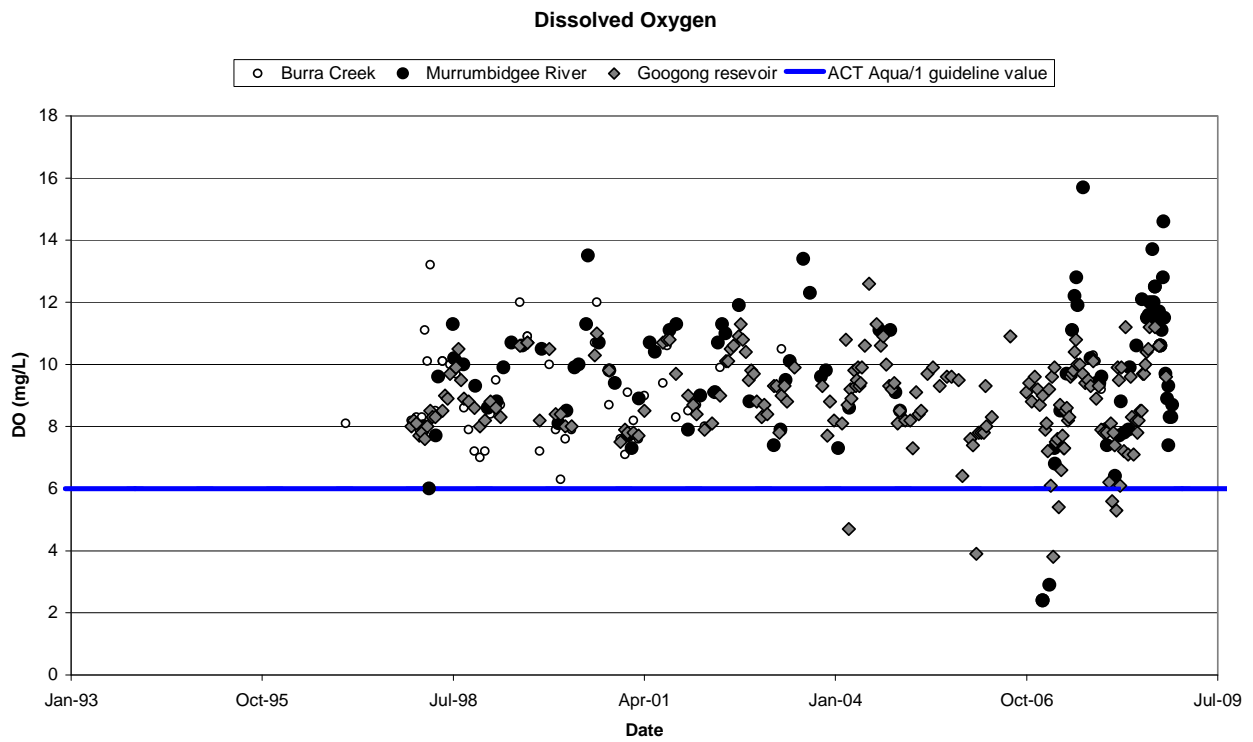


Figure 1.4 Water quality data summary charts – dissolved oxygen

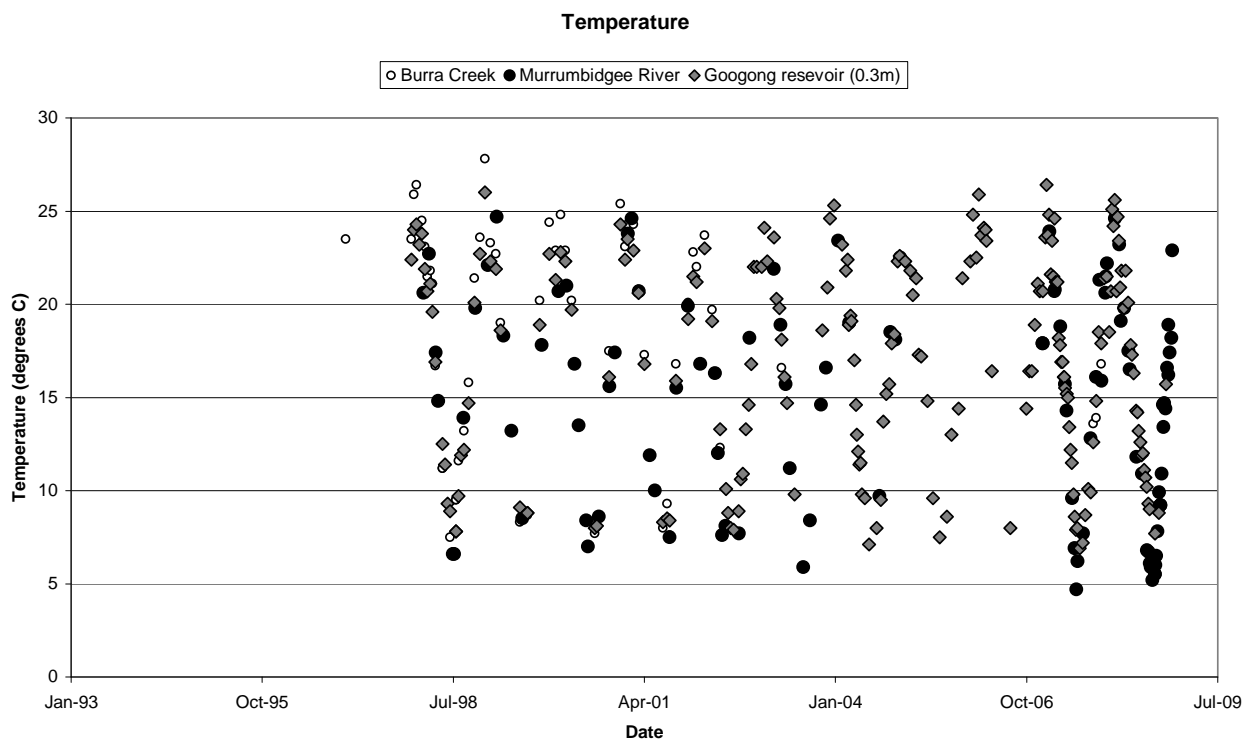


Figure 1.5 Water quality data summary charts – temperature

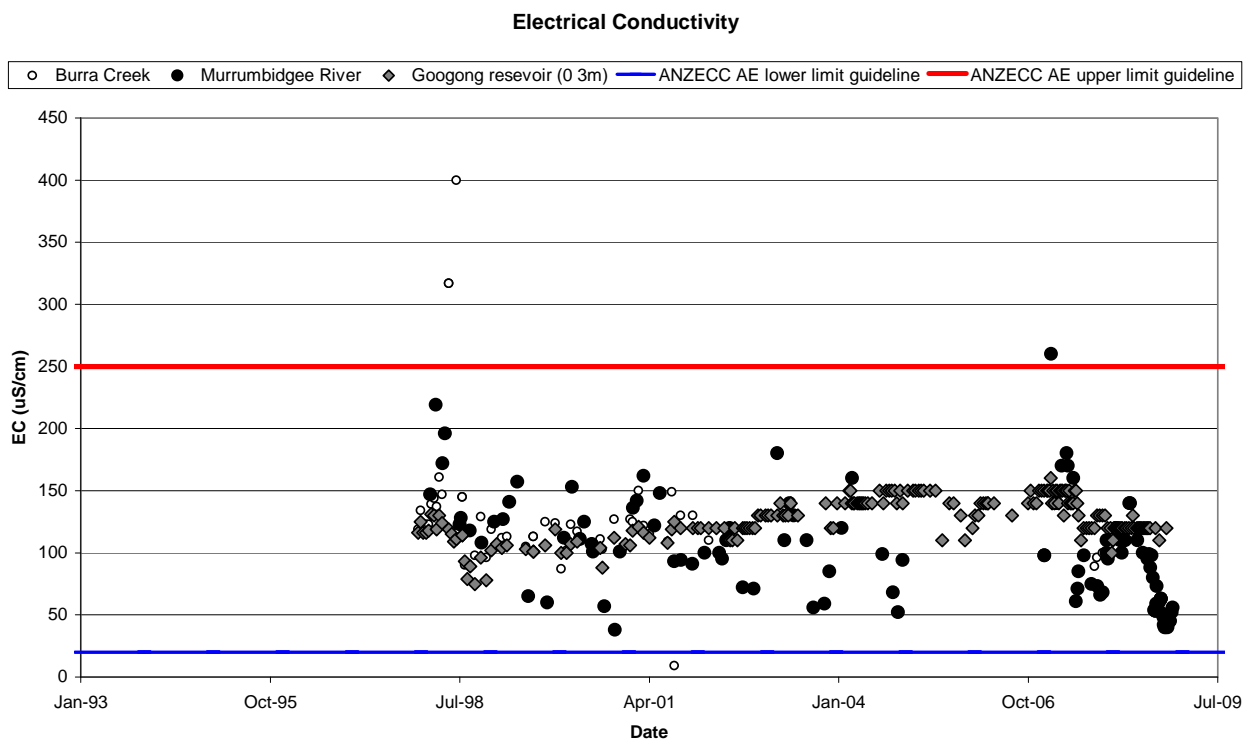


Figure 1.6 Water quality data summary charts – electrical conductivity

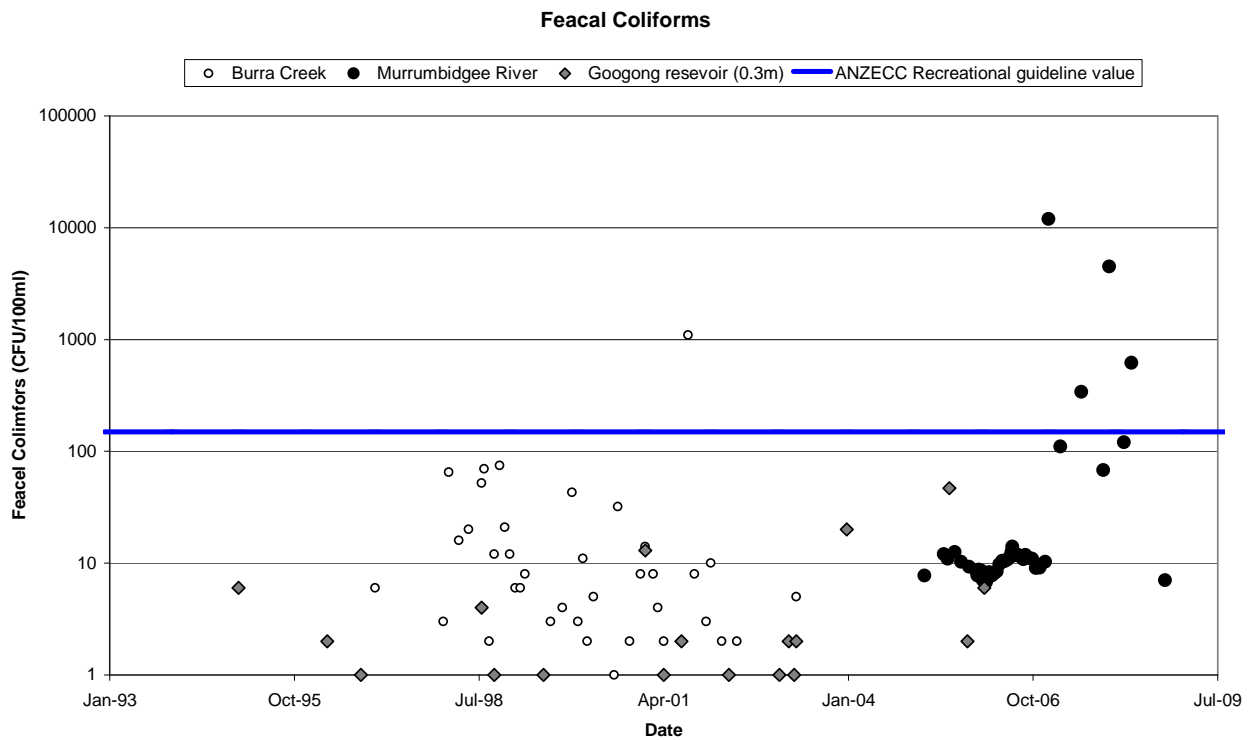


Figure 1.7 Water quality data summary charts – faecal coliforms

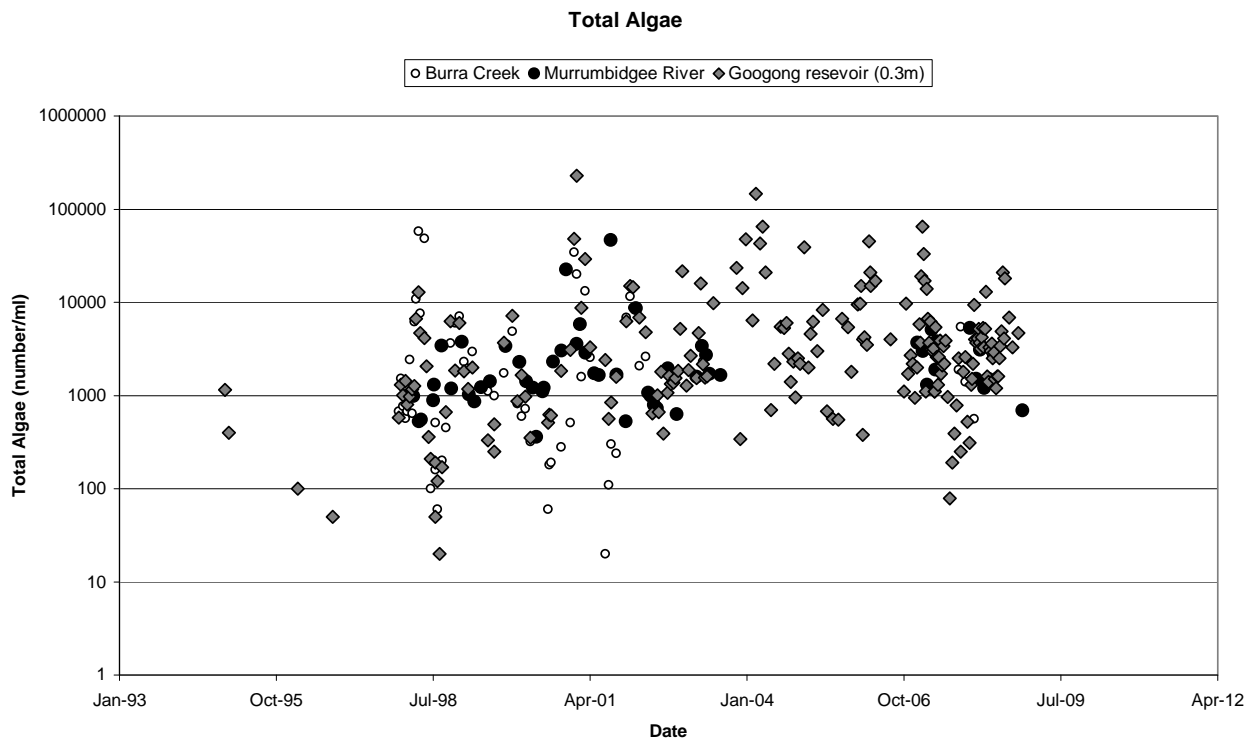


Figure 1.8 Water quality data summary charts – total algae

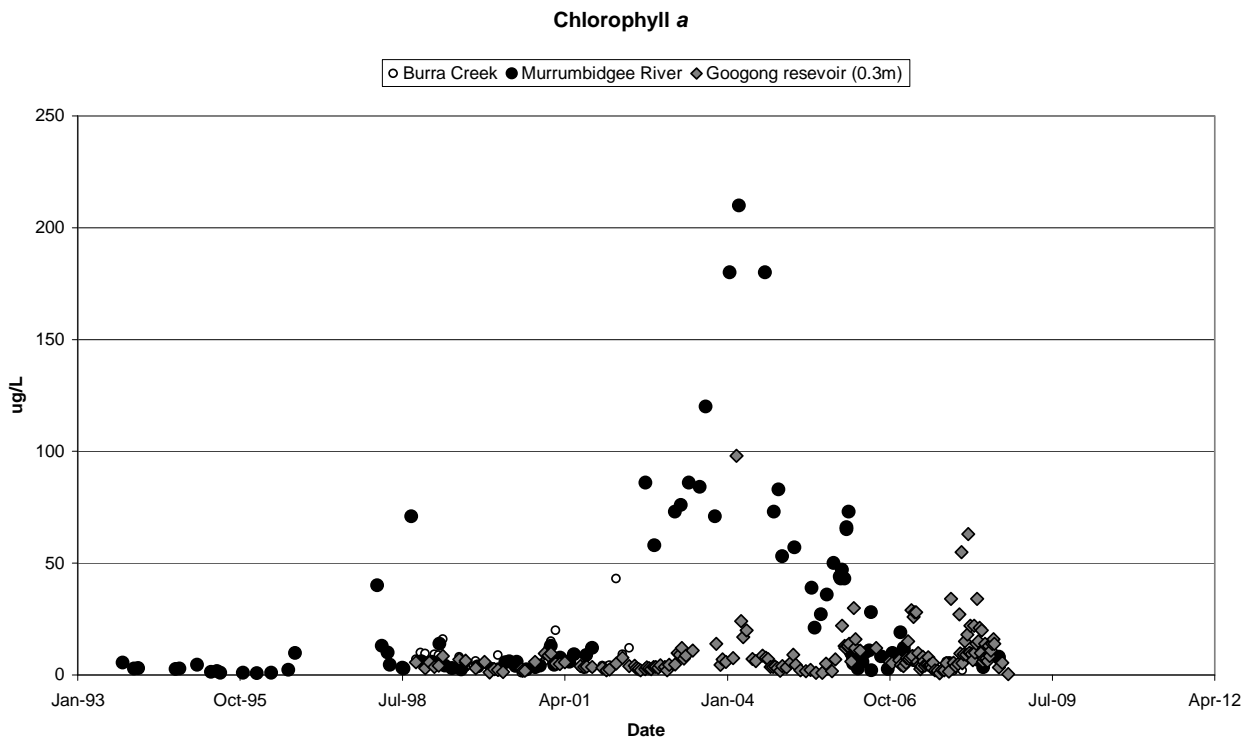


Figure 1.9 Water quality data summary charts – chlorophyll a

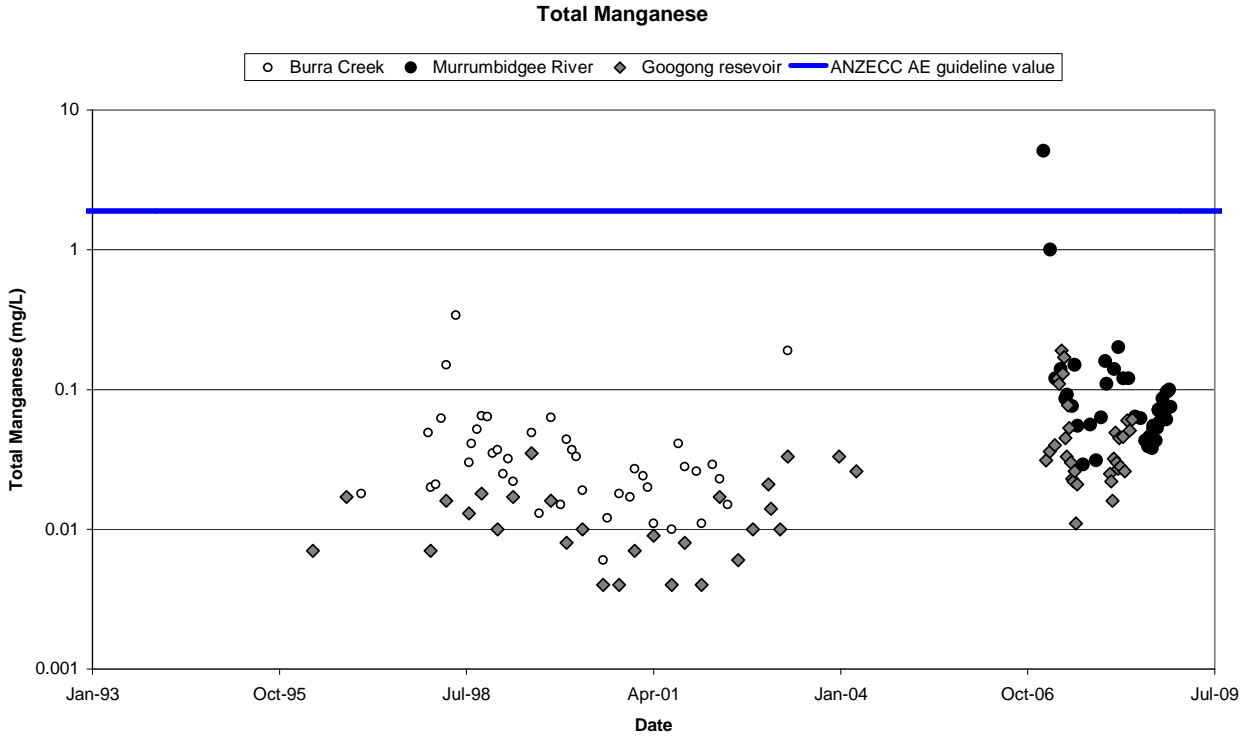


Figure 1.10 Water quality data summary charts – manganese

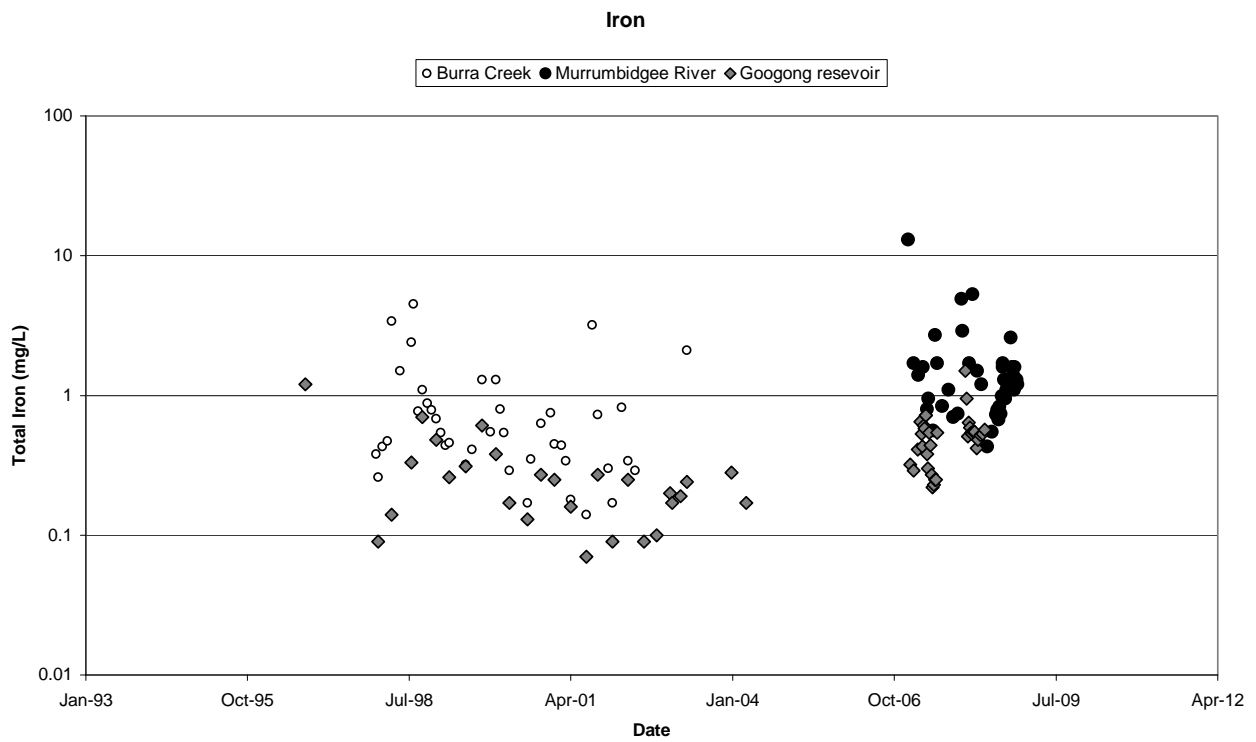


Figure 1.11 Water quality data summary charts – iron

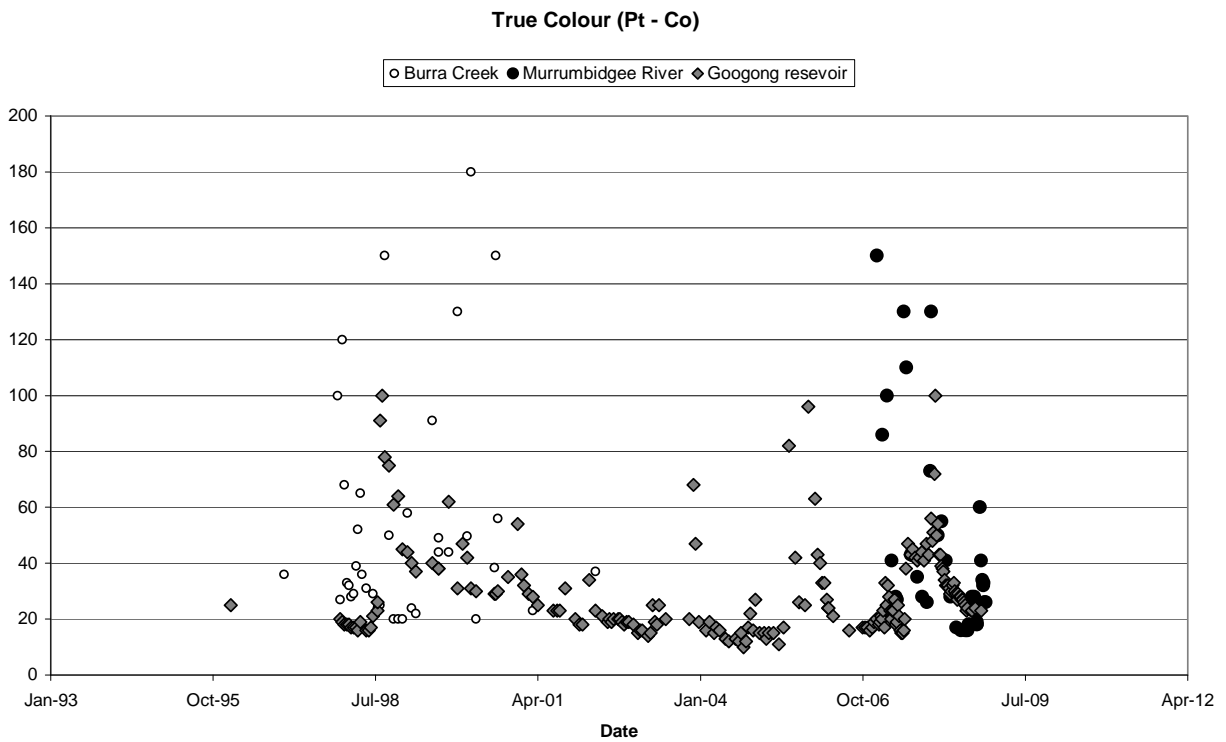


Figure 1.12 Water quality data summary charts – true colour

Chapter 2 Burra Creek Water Quality Data

This chapter provides water quality data for Burra Creek, as supplied by ACTEW.

Table 2.1 Burra Creek (GOO729) water quality samples at 0.3 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	33	850	0	132	70	42
Faecal Coliforms Pres (CFU/100 mL)	40	1100	0	171	70	42
Total Coliforms Conf (CFU/100 mL)	907	10000	10	1909	3520	42
Total Coliforms Pres (CFU/100 mL)	5982	120000	230	18302	9300	42
Bacillariophyceae (No/mL)	199	2900	0	510	307	54
Chlorophyta (No/mL)	2900	55300	20	9534	7399	58
Chrysophyceae (No/mL)	32	450	0	96	204	50
Chrysophyta (No/mL)	228	2920	10	514	512	54
Cryptophyta (No/mL)	12	153	0	36	96	34
Cyanophyta (No/mL)	2109	34000	0	6116	11954	47
Euglenophyta (No/mL)	146	1590	0	344	1040	46
Pyrrophyta (No/mL)	133	4080	0	614	258	51
Total Algae (No/mL)	5063	57840	20	10813	22163	58
Chlorophyll (No/mL)	9	76	1	13	20	41
True Colour (Pt-Co)	50	180	20	38	150	56
Total Fe (mg/L)	0.88	4.50	0.14	0.95	3.20	41
Total Mn (mg/L)	0.044	0.340	0.006	0.058	0.146	42
TKN Calc (mg/L N)	0.52	1.20	0.32	0.22	1.00	41
Total Nitrogen (mg/L)	0.56	1.60	0.33	0.30	1.30	41
NH3 (mg/L)	0.025	0.210	0.003	0.042	0.077	41
NOx (mg/L)	0.051	0.840	<0.002	0.144	0.110	41
PO4 (mg/L)	0.004	0.011	<0.002	0.002	0.008	41
Total Phosphorus (mg/L)	0.033	0.130	0.007	0.029	0.100	41

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Conductivity ($\mu\text{S/cm}$)	130	400	9.0	57	200	56
Dissolved Oxygen (mg/L)	9.1	13.2	6.3	1.4	11.3	57
pH	7.6	9.0	6.8	0.5	8.7	57
Temperature ($^{\circ}\text{C}$)	18.1	27.8	7.5	6.2	25.5	57
Turbidity (NTU)	8.2	79	0.9	13.9	34.8	57
Aphanothece (No/mL)	7162	34000	0	10173	25240	13
Total Cyanophyta (No/mL)	4511	34000	0	8395	19135	22

Table 2.2 Burra Creek (GOO729) water quality samples at 3 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Conductivity ($\mu\text{S/cm}$)	123	173	90	20	166	39
Dissoved Oxygen (mg/L)	7.7	11.4	3.7	2.2	10.9	39
pH	7.4	8.7	6.8	0.4	8.2	39
Temperature ($^{\circ}\text{C}$)	17.5	24.2	7.1	5.9	23.9	39

Table 2.3 Burra Creek (GOO729) water quality samples at 4 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Conductivity ($\mu\text{S/cm}$)	129	181	99	23	169	15
Dissoved Oxygen (mg/L)	7.2	10.9	2.0	2.7	10.6	15
pH	7.5	8.7	6.9	0.4	8.1	15
Temperature ($^{\circ}\text{C}$)	15.7	22.8	6.7	6.1	22.5	15

Table 2.4 Burra Creek (GOO729) water quality samples at 5 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	11	75	1	19	53	19
Faecal Coliforms Pres (CFU/100 mL)	12	75	1	21	62	19
Total Coliforms Conf	872	5000	4	1511	4100	19

Parameter	Average	Max	Min	Std Dev	95%ile	Count
(CFU/100 mL)						
Total Coliforms Pres (CFU/100 mL)	3808	18000	170	5029	14400	19
Bacillariophyceae (No/mL)	292	2250	0	604	1794	20
Chlorophyta (No/mL)	830	2960	100	698	2115	21
Chrysophyceae (No/mL)	13	80	0	21	61	20
Chrysophyta (No/mL)	322	2250	10	614	1827	19
Cryptophyta (No/mL)	0	0	0	0	0	13
Cyanophyta (No/mL)	6108	92800	0	23144	26500	16
Euglenophyta (No/mL)	44	190	0	51	142	17
Pyrrophyta (No/mL)	20	80	0	25	71	19
Total Algae (No/mL)	5828	93340	140	20101	5316	21
Chlorophyll (No/mL)	5.2	12.0	0.9	3.7	11.3	16
True Colour (Pt-Co)	44	110	22	24	98	21
TKN Calc (mg/L N)	0.5	0.68	0.32	0.09	0.65	19
Total Nitrogen (mg/L)	0.51	0.73	0.36	0.10	0.70	20
NH3 (mg/L)	0.026	0.095	0.005	0.026	0.082	20
NOx (mg/L)	0.023	0.080	0.002	0.026	0.079	20
PO4 (mg/L)	0.004	0.008	0.002	0.002	0.006	18
Total Phosphorus (mg/L)	0.026	0.042	0.008	0.009	0.037	19
Turbidity (NTU)	4	12	1.5	2.7	8.6	22

Chapter 3 Googong Reservoir Water Quality Data

This chapter provides water quality data for Googong Reservoir, as supplied by ACTEW.

Table 3.1 Googong Reservoir (GOO724) water quality samples at 0.3 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	3	47	0	8	14	37
Faecal Coliforms Pres (CFU/100 mL)	17	460	0	77	52	36
Total Coliforms Conf (CFU/100 mL)	744	11000	4	2185	4080	37
Total Coliforms Pres (CFU/100 mL)	1832	11000	36	2665	7920	37
Bacillariophyceae (No/mL)	872	13619	0	1733	4929	199
Chlorophyta (No/mL)	991	12740	7	1481	3650	203
Chrysophyceae (No/mL)	35	688	0	91	172	187
Chrysophyta (No/mL)	787	13663	9	1681	4380	168
Cryptophyta (No/mL)	178	5395	0	505	1069	174
Cyanophyta (No/mL)	5887	228000	0	21390	28610	194
Euglenophyta (No/mL)	68	746	0	91	187	184
Pyrrophyta (No/mL)	34	1156	0	112	165	187
Total Algae (No/mL)	7675	229573	20	20997	27977	205
Chlorophyll (No/mL)	9.1	98.0	0.4	10.9	27.2	178
True Colour (Pt-Co)	29	100	10	17	63	198
Total Fe (mg/L)	0.41	1.5	0.07	0.26	0.72	61
Total Mn (mg/L)	0.037	0.190	0.004	0.041	0.130	61
TKN Calc (mg/L N)	0.5	0.7	0.3	0.1	0.7	61
Total Nitrogen (mg/L)	0.5	1.10	0.32	0.14	0.75	62
NH3 (mg/L)	0.21	0.099	<0.002	0.023	0.068	60
NOx (mg/L)	0.036	0.400	0.002	0.062	0.130	62
PO4 (mg/L)	0.003	0.010	<0.002	0.002	0.007	62
Total Phosphorus	0.020	0.066	0.006	0.011	0.043	62

Parameter	Average	Max	Min	Std Dev	95%ile	Count
(mg/L)						
Conductivity (µS/cm)	127	160	75	17	150	201
Dissolved oxygen (mg/L)	8.9	12.6	3.8	1.4	10.8	201
pH	7.7	9.3	6.2	0.5	8.8	201
Temperature (°C)	16.9	26.4	6.9	5.6	24.6	201
Turbidity (NTU)	3.4	30.0	0.5	3.9	9.8	202
Aphanothece (No/mL)	3688	228000	0	20225	12345	142
Total Cyanophyta (No/mL)	7583	228000	0	24143	37548	149

Table 3.2 Googong Reservoir (GOO724) water quality samples at 3 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Conductivity (µS/cm)	127	160	73	17	150	202
Dissoved Oxygen (mg/L)	8.5	12.3	3.3	1.7	10.9	203
pH	7.6	9.3	6.3	0.5	8.6	201
Temperature (°C)	16.3	25.9	6.8	5.3	23.4	202

Table 3.3 Googong Reservoir (GOO724) water quality samples at 4 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Conductivity (µS/cm)	145	160	130	9	150	21
Dissoved Oxygen (mg/L)	7.9	10.8	4.3	1.8	10.2	21
pH	7.6	8.2	7.2	0.3	8.1	21
Temperature (°C)	15.5	23.0	7.5	4.9	22.4	21

Table 3.4 Googong Reservoir (GOO724) water quality samples at 5 m depth

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	3	43	0	9	16	26

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Pres (CFU/100 mL)	6	88	0	19	35	26
Total Coliforms Conf (CFU/100 mL)	5523	110000	17	23351	3415	22
Total Coliforms Pres (CFU/100 mL)	21616	550000	40	103581	8190	28
Bacillariophyceae (No/mL)	939	12298	0	1892	4606	181
Chlorophyta (No/mL)	964	11520	4	1444	3412	185
Chrysophyceae (No/mL)	36	448	0	73	161	170
Chrysophyta (No/mL)	830	12320	0	1808	4520	154
Cryptophyta (No/mL)	142	3987	0	428	561	153
Cyanophyta (No/mL)	3142	68200	0	7593	18285	176
Euglenophyta (No/mL)	55	376	0	75	210	166
Pyrrophyta (No/mL)	44	1040	0	121	256	172
Total Algae (No/mL)	5123	70000	20	7926	21510	184
Chlorophyll (No/mL)	9.4	64.0	0.5	9.8	27.3	158
True Colour (Pt-Co)	31	110	11	17	68	176
TKN Calc (mg/L N)	0.5	0.7	0.3	0.1	0.6	45
Total Nitrogen (mg/L)	0.52	1.00	0.36	0.13	0.71	46
NH3 (mg/L)	0.018	0.086	0.002	0.017	0.054	44
NOx (mg/L)	0.042	0.400	0.002	0.068	0.110	41
PO4 (mg/L)	0.004	0.010	0.002	0.002	0.007	38
Total Phosphorus (mg/L)	0.019	0.048	0.007	0.009	0.038	45
Turbidity (NTU)	3.9	36.0	0.7	4.3	9.8	182

Chapter 4 Murrumbidgee River Water Quality Data

This chapter provides water quality data for Murrumbidgee River, as supplied by ACTEW.

Table 4.1 Murrumbidgee River (MUR213) water quality samples pre-2005

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	73	1200	0	173	240	53
Faecal Coliforms Pres (CFU/100 mL)	83	1500	0	214	264	53
Bacillariophyceae (No/mL)	2705	44928	30	7345	7952	44
Chlorophyta (No/mL)	561	2490	60	514	1689	44
Chrysophyceae (No/mL)	7	120	0	21	29	44
Chrysophyta (No/mL)	2713	44928	50	7344	7952	44
Cryptophyta (No/mL)	0	10	0	2	0	31
Cyanophyta (No/mL)	100	1470	0	245	427	44
Euglenophyta (No/mL)	3	30	0	6	15	38
Pyrrophyta (No/mL)	5	50	0	10	23	36
Total Algae (No/mL)	3427	46656	360	7602	8383	43
Chlorophyll (No/mL)	7.31	71.0	0.81	11.67	13.85	44
Flow Percentile (%)	65	99	14	27	98	43
River gauge height (m)	1.82	2.62	1.21	0.35	2.47	42
Inst. Gauge flow (m ² /s)	3.81	17.70	0.01	4.74	14.01	43
Total Nitrogen (mg/L)	0.32	1.20	0.15	0.18	0.62	55
NH ₃ (mg/L)	0.01	0.01	<0	0	0.01	54
NO _x (mg/L)	0.01	0.06	<0	0.01	0.03	54
Total Phosphorus (mg/L)	0.03	0.26	0.00	0.04	0.07	54
Conductivity (µS/cm)	114	219	38	38	176	52
Dissolved oxygen (mg/L)	9.7	13.5	6.0	1.6	12.1	52

Parameter	Average	Max	Min	Std Dev	95%ile	Count
pH	7.59	8.20	6.70	0.37	8.20	52

Table 4.2 Murrumbidgee River (MUR213) water quality samples 2005-2008

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Faecal Coliforms Conf (CFU/100 mL)	408	12000	<2	1891	564	45
Faecal Coliforms Pres (CFU/100 mL)	503	12000	<2	1892	564	45
E. coli (MPN/100 mL)	236	15000	<2	1690	111	80
Total coliforms (CFU/100 mL)	1513	>48000	36	5670	6540	80
Conf. F Strep (CFU/100 mL)	121	2300	8	383	211	47
Conf Entero (CFU/100mL)	95	2300	3	354	168	56
Pres F Strep (CFU/100mL)	251	2300	8	569	1445	20
FRNA Coliphage (cfu/100 mL)	356	7000	0	1564	445	20
Somatic phage (cfu/100 mL)	85	1100	0	271	560	19
Alk carb (mg/L)	<2	<2	<2	0	<2	44
Alk bicarb (mg/L)	38	120	14	19	70	44
Alk hydrox (mg/L)	<2	<2	<2	0	<2	44
Alk total (mg/L)	38	120	14	19	70	44
Bacillariophyceae (No/mL)	1138	4752	88	1554	4508	13
Chlorophyta (No/mL)	510	2542	120	531	1554	40
Chrysophyceae (No/mL)	4	45	0	8	12	40
Chrysophyta (No/mL)	342	4752	1	1086	2048	34
Cryptophyta (No/mL)	31	312	0	58	157	40
Cyanophyta (No/mL)	93	1273	0	247	529	39
Euglenophyta (No/mL)	71	865	0	188	412	40

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Pyrrophyta (No/mL)	6	176	0	28	2	40
Total Algae (No/mL)	870	5300	0	1516	3865	40
Unknown Algae (No/mL)	<1	2.00	0.00	0.59	2.00	40
Xanthophyceae (No/mL)	0.2	1.0	0.0	0.2	0.7	40
Chlorophyll (No/mL)	42.7	210.0	2.1	47.5	144.0	53
Viable C Parvum (No/mL)	<1	1	<1	0.1	<1	33
Viable G. intestinalis (No/mL)	1	2	<1	0.4	2	33
Viable Giardi Spp. (No/mL)	<2	<2	<2	0	<2	33
Cryptosporidium (cells/L)	30.3	210.0	0.07	47.1	108.1	68
Giardia (cells/L)	2.88	13.00	0.07	3.62	9.65	68
True Colour (Pt-Co)	41	150	16	34	127	44
Diss aluminium (mg/L)	87	760	<1	171	435	54
Diss manganese (mg/L)	28	790	3	117	39	45
DOC (mg/L)	4	21	0	5	13	53
Flow percentile (%)	14	94	0	28	76	36
River gauge height (m)	0.61	4.29	0.02	0.98	2.09	36
Inst. Gauge flow (m ³ /s)	3.33	121.30	0	18.09	3.94	45
1,1,1,2 - tetrachloroethane	<0.36	<1.00	<0.002	0.48	1.00	56
1,1,1-trichloroethane	0.61	<1.00	0.19	0.32	1.00	56
1,1,1,2,tetrachloroethane	0.65	1.00	0.19	0.33	1.00	47
1,1,2, trichloroethane	<0.43	<1.00	<0.002	0.5	<1.00	47
1,1 dichloroethene	0.38	<1.00	0.012	0.47	1.00	56
Hardness Ca (mg/L)	16.5	64.9	7.0	10.8	34.5	45
Total Hardness (mg/L)	30.7	104.5	14.0	18.0	62.1	45
Diss Ca (mg/L)	6.6	26.0	2.8	4.3	13.8	45
Diss Fe (mg/L)	0.25	0.75	0.03	0.15	0.54	45

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Diss Mg (mg/L)	3.46	9.60	1.60	1.77	7.08	45
Diss Mn (mg/L)	0.028	0.79	0.003	0.117	0.039	45
Total Al (mg/L)	1.38	10.00	0.22	2.00	4.45	27
Total Cr (mg/L)	0.003	0.008	0.001	0.002	0.007	23
Total Fe (mg/L)	1.7	13.0	0.4	2.0	4.5	45
Total Mn (mg/L)	0.210	5.1	0.029	0.759	0.192	45
Al Total Screen (µg/L)	1396	10000	9	2079	4890	27
Sb Total Screen (µg/L)	<3	<3	<3	0	<3	27
As Total Screen (µg/L)	<1	<3	<1	1	<3	27
Ba Total Screen (µg/L)	61	1000	12	188	60	27
Be Total Screen (µg/L)	<0.2	2.1	<0.1	0.4	0.3	27
Cd Total Screen (µg/L)	<0.10	0.92	<0.05	0.18	0.34	27
Cr Total Screen (µg/L)	3	10	<2	2	7	26
Co Total Screen (µg/L)	1.5	21.0	0.3	3.9	2.4	27
Cu Total Screen (µg/L)	41	1000	<1	192	41	27
Pb Total Screen (µg/L)	5.1	64.0	0.5	14.3	31.1	27
Mn Total Screen (µg/L)	312	5100	29	977	830	27
Mo Total Screen (µg/L)	<1	<1	<1	0	<1	27
Ni Total Screen (µg/L)	4	22	<1	5	16	27
Se Total Screen (µg/L)	<2	<2	<2	0	<2	27
Ag Total Screen (µg/L)	<1	<1	<1	0	<1	27
Zn Total Screen (µg/L)	122	2800	<5	539	249	27
Hg Total Screen (µg/L)	<0.1	0.2	<0.1	0.0	<0.1	27
TKN Calc (mg/L)	0.7	3.8	0.2	0.7	1.3	27
Total Nitrogen (mg/L)	1.15	16.00	0.21	2.65	2.53	36
NH3 (mg/L)	0.028	0.220	0.002	0.048	0.106	36
NOx (mg/L)	0.086	0.650	0.002	0.163	0.428	36
PO4 (mg/L)	0.012	0.170	0.002	0.032	0.020	27
Total Phosphorus (mg/L)	0.168	1.800	0.022	0.314	0.555	36
Azinophosmethyl	<0.10	<0.10	<0.10	0	<0.10	18

Parameter	Average	Max	Min	Std Dev	95%ile	Count
(mg/L)						
Chlorpyrifos (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Dementon-S-methyl (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Diazinon (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Dimethoate (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Ethion (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Fenthion (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Malathion (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Parathion (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
Pyrimifos (mg/L)	<0.10	<0.10	<0.10	0	<0.10	18
2,4,5-T (µg/L)	<1	<1	<1	0	<1	20
2,4,5-TP (µg/L)	<1	<1	<1	0	<1	20
2,4-D (µg/L)	<1	<1	<1	0	<1	20
2,4-DB (µg/L)	<1	<1	<1	0	<1	20
Dicamba (µg/L)	<1	<1	<1	0	<1	20
Dichlorprop (µg/L)	<1	<1	<1	0	<1	20
MCPA (µg/L)	<1	<1	<1	0	<1	20
MCPP (µg/L)	<1	<1	<1	0	<1	20
Triclopyr (µg/L)	<1	<1	<1	0	<1	20
Clopyralid (µg/L)	<1	<1	<0.1	<0.3	<1	21
Picloram (µg/L)	<1	<1	<1	0	<1	21
Aldrin (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
BHC Total (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Chlordane (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
DDD (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
DDE (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
DDT (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Dieldrin (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Endosulfan Total (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Endrin (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18

Parameter	Average	Max	Min	Std Dev	95%ile	Count
HCB (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Heptachlor (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Heptachlor epoxide (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Lindane (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Methoxychlor (µg/L)	<0.01	<0.01	<0.01	0	<0.01	18
Conductivity (µS/cm)	89	260	40	44	170	54
Dissolved oxygen (mg/L)	9.8	15.7	2.4	2.7	13.1	54
pH	7.4	8.1	6.2	0.4	7.9	54
Temperature (°C)	13.8	24.6	4.7	6.0	23.0	54
TOC (mg/L)	43	1200	2	201	35	35
Total Aluminium (µg/L)	1396	10000	9	2078	4890	27
Total Copper (µg/L)	41	1000	1	192	41	27
Total Lead (µg/L)	5.1	64.0	0.5	14.3	31.1	27
Total Manganese (µg/L)	214	5100	29	770	179	44
Total Nickel (µg/L)	4	22	1	5	16	27
Total Zinc (µg/L)	122	2800	5	539	249	27
Turbidity (NTU)	47	310	7	64	190	53
UV Abs filt (abs/cm)	0.2	0.73	0.07	0.15	0.52	44
Anabaena (No/mL)	0	0	0	0	0	13
Anabaenopsis (No/mL)	0	0	0	0	0	13
Aphanizomenon (No/mL)	0	0	0	0	0	13
Aphanocapsa (No/mL)	138	695	0	237	585	13
Aphanothece (No/mL)	0	0	0	0	0	12
Chroococcus (No/mL)	8	106	0	29	42	13
Cylindrospermopsis (No/mL)	0	0	0	0	0	13
Microcysts (No/mL)	0	0	0	0	0	13
Nodularia (No/mL)	0	0	0	0	0	13
Oscillatoria (No/mL)	0	0	0	0	0	13

Parameter	Average	Max	Min	Std Dev	95%ile	Count
Other Cyanophyta (No/mL)	45	527	0	146	243	13
Phormidium (No/mL)	0	0	0	0	0	13
Planktothrix (No/mL)	41	439	0	122	231	13
Pseudobaena (No/mL)	47	307	0	114	303	13
Radiocysts (No/mL)	0	0	0	0	0	13
Spirulina (No/mL)	0	0	0	0	0	13
Total Cyanophyta (No/mL)	301	1273	0	378	955	12
Tychonema (No/mL)	0	0	0	0	0	13

Supplementary Water Sampling Data



Molonglo Waterwater: Burra Creek Water Quality Sampling

Site ID: BUR055
Catchment: Burra
Stream: Burra Creek
Location: Williamsdale Road Crossing
Easting: 701,170
Northing: 6,062,890



Sample Date	Temperature °C	pH	EC µS/cm	Turbidity ntu	rPhos ppm	oPhos ppm
22/11/2009	21.5	7	630	<10	0.31	0.1
20/10/2009	13	7	580	<10		
20/09/2009	12	7.4	610	<10	0.21	0.07
16/08/2009	6.5	7	600	40		
19/07/2009	5	7	590	<10	0.077	0.025
21/06/2009	8	7	640	<10		
18/05/2009	8	7	730	<10		
18/04/2009	No water					
21/03/2009	No water					
21/02/2009	Creek dry: no flow, holes emptied by Council contractor for dust suppression in road building					
17/01/2009	29	7	610	10		
20/12/2008	14	7	740	<10		0.025
25/11/2008	14.5	7.1	550	10		

Available from: http://www.molonglocatchment.com.au/MCHIP_Results/BUR055.htm