

**Eastern Irrigation Scheme
Class A Monitoring Summary, January 2021 - March 2021***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	0.6	2.3	0.0
Alkalinity		mgCaCO3/l	55.1	75.0	54.3	25.6
BOD5		mg/L	2	4	2	2
Calcium		mg/L	16.0	21.0	17.3	16.0
COD		mg/L	29	35	28	15
Ammonia		mg/L	0.10	1.00	0.11	0.06
Sodium Absorption Ratio		meq/l	5.1	5.8	5.2	5.0
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	3	1.1	1
TDS		mg/L	460	480	462	440
TKN		mg/L	2.0	5.0	2.1	1.0
Total P		mg/L	5.7	7.4	5.9	4.7
Total N		mg/L	17.0	21.0	17.8	15.0
True Colour		Pt/Co	8	14	7.0	2
Turbidity		NTU	0.30	0.60	0.35	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	26	28.0	21.8	8.2
Nitrate		mgN/L	16.00	20.00	16.33	12.00
EC	<1200	uS/cm	860	900	852	750

* Results supplied from Melbourne Water's Class A Tertiary Treatment Plant

** Results from Eastern Irrigation Scheme site

*** Indicator of viruses, organisms per mL (or per 100mL) with <10 equivalent to zero due to inaccuracies

**Eastern Irrigation Scheme
Class A Monitoring Summary, April 2021 - June 2021***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	0.6	2.8	0.0
Alkalinity		mgCaCO3/l	44.4	67.0	44.2	22.0
BOD5		mg/L	2	5	2	2
Calcium		mg/L	18.0	25.0	18.4	16.0
COD		mg/L	35	60	34	10
Ammonia		mg/L	0.10	11.00	0.27	0.01
Sodium Absorption Ratio		meq/l	4.8	5.4	4.8	4.4
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	5	1.2	1
TDS		mg/L	470	500	459	400
TKN		mg/L	2.0	48.5	2.8	1.0
Total P		mg/L	6.8	8.2	6.9	4.8
Total N		mg/L	20.0	26.0	19.9	15.0
True Colour		Pt/Co	8	16	7.6	2
Turbidity		NTU	0.40	0.70	0.44	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	24	27.0	24.7	23.0
Nitrate		mgN/L	17.00	24.00	17.29	12.00
EC	<1200	uS/cm	835	900	826	650

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** Results from Eastern Irrigation Scheme site

*** Indicator of viruses, organisms per mL (or per 100mL) with <10 equivalent to zero due to inaccuracies

Eastern Irrigation Scheme
Class A Monitoring Summary, July 2021 - September 2021*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	0.6	2.1	0.0
Alkalinity		mgCaCO3/l	47.9	64.5	46.9	26.6
BOD5		mg/L	2	4	3	2
Calcium		mg/L	19.0	26.0	20.8	18.0
COD		mg/L	30	40	30	15
Ammonia		mg/L	0.10	0.30	0.11	0.03
Sodium Absorption Ratio		meq/l	4.6	5.1	4.7	4.5
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	17	1.6	1
TDS		mg/L	530	540	510	430
TKN		mg/L	2.2	3.3	2.2	1.0
Total P		mg/L	6.9	7.2	6.6	5.7
Total N		mg/L	19.0	20.0	18.2	15.0
True Colour		Pt/Co	6	4	6.0	12
Turbidity		NTU	0.55	1.30	0.69	0.40
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	30	32.0	29.5	27.0
Nitrate		mgN/L	17.00	18.00	16.20	13.00
EC	<1200	uS/cm	850	950	847	715

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** Results from Eastern Irrigation Scheme site

*** Indicator of viruses, organisms per mL (or per 100mL) with <10 equivalent to zero due to inaccuracies

Eastern Irrigation Scheme
Class A Monitoring Summary, October 2021 - December 2021*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.4	2.0	0.0
Alkalinity		mgCaCO3/l	64.6	94.4	66.0	36.4
BOD5		mg/L	2	6	2	2
Calcium		mg/L	19.0	24.0	20.3	17.0
COD		mg/L	30	52	30	15
Ammonia		mg/L	0.04	0.70	0.11	0.03
Sodium Absorption Ratio		meq/l	4.4	5.4	4.6	4.0
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	12	1.7	1
TDS		mg/L	470	520	459	340
TKN		mg/L	2.4	6.3	2.8	0.9
Total P		mg/L	4.2	6.4	4.5	3.5
Total N		mg/L	15.0	21.0	15.7	9.8
True Colour		Pt/Co	8	18	8.2	2
Turbidity		NTU	0.50	3.40	1.01	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	21	27.0	22.3	19.0
Nitrate		mgN/L	14.00	20.00	13.74	8.20
EC	<1200	uS/cm	890	995	868	390

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