

Eastern Irrigation Scheme
Class A Monitoring Summary, January 2022 - March 2022*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.4	0.5	0.0
Alkalinity		mgCaCO3/l	67.6	85.1	65.6	27.7
BOD5		mg/L	2	2	2	2
Calcium		mg/L	17.5	20.0	18.0	17.0
COD		mg/L	20	30	19	10
Ammonia		mg/L	0.04	1.10	0.10	0.04
Sodium Absorption Ratio		meq/l	5.3	5.6	5.3	5.1
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	4	1.6	1
TDS		mg/L	495	540	478	380
TKN		mg/L	2.4	8.0	2.7	1.0
Total P		mg/L	1.4	4.7	2.1	0.9
Total N		mg/L	15.0	16.0	13.6	10.0
True Colour		Pt/Co	7	12	7.4	4
Turbidity		NTU	0.30	0.40	0.32	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	29	34.0	29.8	27.0
Nitrate		mgN/L	13.00	14.00	11.80	8.80
EC	<1200	uS/cm	887	970	879	730

* 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 2022 - June 2022*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.4	0.7	0.3
Alkalinity		mgCaCO3/l	55.7	84.2	53.8	28.4
BOD5		mg/L	2	4	2	2
Calcium		mg/L	17.5	20.0	17.3	13.0
COD		mg/L	27	45	25	8
Ammonia		mg/L	0.04	1.30	0.14	0.01
Sodium Absorption Ratio		meq/l	4.7	5.6	4.6	3.3
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	2	5	2.0	1
TDS		mg/L	480	520	475	400
TKN		mg/L	2.1	148.0	4.4	0.8
Total P		mg/L	5.5	6.6	4.7	1.4
Total N		mg/L	17.0	20.0	16.2	12.0
True Colour		Pt/Co	8	14	7.6	2
Turbidity		NTU	0.25	0.50	0.31	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	26	32.0	26.0	20.0
Nitrate		mgN/L	15.00	18.00	14.17	10.00
EC	<1200	uS/cm	840	950	824	420

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Eastern Irrigation Scheme
Class A Monitoring Summary, July 2022 - Sep 2022*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.9	0.3	0.0
Alkalinity		mgCaCO3/l	51.2	80.6	51.6	29.6
BOD5		mg/L	3	3	3	2
Calcium		mg/L	19.5	20.0	18.3	14.0
COD		mg/L	16	35	16	5
Ammonia		mg/L	0.11	0.23	0.12	0.04
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	7.00	7.40	6.96	6.60
SS	<5	mg/l	2	5	2	1
TDS		mg/L	470	480	453	390
TKN		mg/L	2.5	9.0	2.7	1.0
Total P		mg/L	5.3	6.9	5.2	2.8
Total N		mg/L	17.5	18.0	17.0	15.0
True Colour		Pt/Co	10	18	10.4	4
Turbidity		NTU	0.30	0.40	0.27	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	25	25.0	25.0	25.0
Nitrate		mgN/L	16.00	17.00	15.75	14.00
EC	<1200	uS/cm	860	930	851	730

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Eastern Irrigation Scheme
Class A Monitoring Summary, Oct 2022 - Dec 2022*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.0	1.3	0.2	0.0
Alkalinity		mgCaCO3/l	56.1	71.5	54.6	35.7
BOD5		mg/L	3	3	3	2
Calcium		mg/L	17.0	19.0	17.7	17.0
COD		mg/L	24	37	23	11
Ammonia		mg/L	0.13	1.30	0.20	0.02
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	7.00	7.30	7.02	6.70
SS	<5	mg/l	2	7	3	1
TDS		mg/L	475	520	473	390
TKN		mg/L	3.6	10.0	4.1	1.2
Total P		mg/L	5.8	7.8	5.5	3.0
Total N		mg/L	15.0	20.0	16.3	14.0
True Colour		Pt/Co	8	12	8.1	3
Turbidity		NTU	0.30	0.70	0.38	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	23	26.0	22.5	19.0
Nitrate		mgN/L	13.00	19.00	14.67	12.00
EC	<1200	uS/cm	860	930	858	730

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