

Eastern Irrigation Scheme
Class A Monitoring Summary, Jan 2023 - Mar 2023*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.5	0.4	0.2
Alkalinity		mgCaCO3/l	70.9	95.2	68.4	26.9
BOD5		mg/L	2	2	2	2
Calcium		mg/L	17.0	18.0	16.8	15.0
COD		mg/L	17	30	17	6
Ammonia		mg/L	0.16	0.47	0.16	0.04
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	7.15	7.30	7.07	6.70
SS	<5	mg/l	2	7	2	1
TDS		mg/L	490	580	506	480
TKN		mg/L	2.3	5.2	2.6	1.3
Total P		mg/L	2.2	5.7	3.0	1.6
Total N		mg/L	15.0	15.0	14.2	13.0
True Colour		Pt/Co	8	12	7.3	2
Turbidity		NTU	0.20	0.40	0.24	0.10
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	25	25.0	23.7	21.0
Nitrate		mgN/L	13.00	14.00	12.60	11.00
EC	<1200	uS/cm	860	924	861	785

* 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, Apr 2023 - Jun 2023*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.3	0.8	0.3	0.0
Alkalinity		mgCaCO3/l	54.6	74.6	53.3	35.3
BOD5		mg/L	2.5	3	3	2
Calcium		mg/L	19.0	22.0	18.7	14.0
COD		mg/L	20	50	21	7
Ammonia		mg/L	0.12	0.39	0.13	0.05
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.90	7.30	6.95	6.70
SS	<5	mg/l	2	4	2	0
TDS		mg/L	440	490	445	400
TKN		mg/L	2.9	5.5	3.1	1.0
Total P		mg/L	4.7	7.5	5.0	2.9
Total N		mg/L	16.5	19.0	16.5	13.0
True Colour		Pt/Co	8	12	8.6	4
Turbidity		NTU	0.30	0.40	0.26	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	23	26.0	22.0	17.0
Nitrate		mgN/L	14.00	17.00	14.17	11.00
EC	<1200	uS/cm	790	900	788	675

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Eastern Irrigation Scheme
Class A Monitoring Summary, Jul 2023 - Sep 2023*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.7	0.4	0.0
Alkalinity		mgCaCO3/l	50.5	74.0	50.9	28.4
BOD5		mg/L	2.5	3	3	2
Calcium		mg/L	17.5	20.0	17.0	12.0
COD		mg/L	17	33	18	5
Ammonia		mg/L	0.07	0.25	0.08	0.04
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.90	7.20	6.88	6.60
SS	<5	mg/l	2	5	2	1
TDS		mg/L	495	560	490	420
TKN		mg/L	3.6	5.4	3.5	1.0
Total P		mg/L	5.6	7.6	5.7	4.6
Total N		mg/L	14.5	20.0	15.2	11.0
True Colour		Pt/Co	6	8	5.4	2
Turbidity		NTU	0.20	0.30	0.25	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	26	26.0	24.3	21.0
Nitrate		mgN/L	12.50	18.00	12.95	8.80
EC	<1200	uS/cm	820	910	823	746

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**Eastern Irrigation Scheme
Class A Monitoring Summary, Oct 2023 - Dec 2023***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.4	0.4	0.0
Alkalinity		mgCaCO3/l	53.0	79.6	53.3	24.4
CBOD5		mg/L	<2	<2	<2	<2
Calcium		mg/L	17.0	19.0	17.2	16.0
COD		mg/L	15	40	16	3
Ammonia		mg/L	0.05	0.20	0.07	0.02
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.90	7.30	6.91	6.50
SS	<5	mg/l	2	4	2	1
TDS		mg/L	450	520	458	390
TKN		mg/L	3.1	56.1	4.0	1.2
Total P		mg/L	4.8	6.9	5.1	3.9
Total N		mg/L	15.0	16.0	14.8	12.0
True Colour		Pt/Co	6	16	6.8	2
Turbidity		NTU	0.30	1.10	0.34	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	27	28.0	27.0	26.0
Nitrate		mgN/L	13.00	14.00	12.83	10.00
EC	<1200	uS/cm	830	890	809	630

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