

Eastern Irrigation Scheme Class A Monitoring Summary, Jan 2024 - Mar 2024*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.5	0.3	0.0
Alkalinity		mgCaCO3/l	70.9	93.5	68.6	24.7
CBOD5		mg/L	<2	<2	<2	<2
Calcium		mg/L	17.5	25.0	18.3	15.0
COD		mg/L	16	27	16	4
Ammonia		mg/L	0.08	1.00	0.13	0.04
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	7.00	7.80	7.12	6.80
SS	<5	mg/l	2	4	2	1
TDS		mg/L	460	500	463	430
TKN		mg/L	2.6	5.0	2.6	1.0
Total P		mg/L	2.7	3.8	2.6	1.2
Total N		mg/L	9.2	14.0	9.7	6.3
True Colour		Pt/Co	6	16	6.7	2
Turbidity		NTU	0.30	0.60	0.33	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	23	26.0	22.3	18.0
Nitrate		mgN/L	7.90	12.00	8.17	4.60
EC	<1200	uS/cm	810	870	809	670

* 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 2024 - Jun 2024*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.5	0.3	0.0
Alkalinity		mgCaCO3/l	36.9	67.6	40.0	22.8
BOD		mg/l	<2	2.0	<2	<2
CBOD5		mg/L	<2	<2	<2	<2
Calcium		mg/L	16.5	18.0	16.2	13.0
COD		mg/L	21	40	21	6
Ammonia		mg/L	0.13	3.20	0.26	0.08
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.80	7.10	6.77	6.50
SS	<5	mg/l	1	3	1	1
TDS		mg/L	445	480	447	420
TKN		mg/L	2.4	35.4	2.9	0.8
Total P		mg/L	6.6	9.3	6.6	3.5
Total N		mg/L	17.0	18.0	16.3	12.0
True Colour		Pt/Co	6	14	5.6	2
Turbidity		NTU	0.40	0.70	0.42	0.30
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	25	25.0	24.5	24.0
Nitrate		mgN/L	15.50	16.00	14.50	11.00
EC	<1200	uS/cm	775	830	765	660

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Eastern Irrigation Scheme Class A Monitoring Summary, July 2024 - Sept 2024*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.3	0.5	0.2	0.0
Alkalinity		mgCaCO3/l	41.9	58.0	41.8	24.5
BOD		mg/l	<2	2.0	<2	<2
CBOD5		mg/L	<2	<2	<2	<2
Calcium		mg/L	16.0	19.0	16.8	15.0
COD		mg/L	26	45	26	7
Ammonia		mg/L	0.14	5.60	0.37	0.06
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.75	7.20	6.80	6.50
SS	<5	mg/l	1	6	1	1
TDS		mg/L	470	500	458	390
TKN		mg/L	2.8	6.9	3.1	1.3
Total P		mg/L	6.8	8.0	6.7	4.7
Total N		mg/L	19.0	28.0	19.2	13.0
True Colour		Pt/Co	8	16	7.3	2
Turbidity		NTU	0.50	1.20	0.55	0.30
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	23	25.0	22.5	20.0
Nitrate		mgN/L	16.00	21.00	16.00	11.00
EC	<1200	uS/cm	785	897	779	650

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** Results from Eastern Irrigation Scheme site

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Eastern Irrigation Scheme Class A Monitoring Summary, Oct 2024 - Dec 2024*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	0.5	0.4	0.2
Alkalinity		mgCaCO3/l	48.7	68.6	49.5	28.7
BOD		mg/l	<2	3.0	<2	<2
CBOD5		mg/L	<2	2.0	<2	<2
Calcium		mg/L	17.0	21.0	16.7	12.0
COD		mg/L	20	40	21	7
Ammonia		mg/L	0.13	0.18	0.13	0.09
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	6.90	7.40	6.92	6.70
SS	<5	mg/l	1	3	1	1
TDS		mg/L	490	540	471	400
TKN		mg/L	2.7	4.9	2.8	1.0
Total P		mg/L	5.5	7.5	5.0	1.8
Total N		mg/L	17.0	20.0	15.6	12.0
True Colour		Pt/Co	8	12	7.3	2
Turbidity		NTU	0.40	1.10	0.39	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	26	27.0	25.0	22.0
Nitrate		mgN/L	13.00	18.00	13.29	10.00
EC	<1200	uS/cm	830	900	817	680

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