

Eastern Irrigation Scheme
Class A Monitoring Summary, January 2019 - March 2019*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	1.1	0.5	0.2
Alkalinity		mgCaCO3/l	63.5	84.5	62.5	36.5
BOD5		mg/L	2	4	2	2
Calcium		mg/L	16.5	19.0	16.3	14.0
COD		mg/L	25	40	22	2
Ammonia		mg/L	0.10	1.00	0.13	0.01
Oil & Grease		mg/L	5.0	5.0	5.0	5.0
pH	6 - 9	pH units	7.10	7.60	7.09	6.40
SS	<5	mg/l	1	2	1	1
TDS		mg/L	445	480	423	300
TKN		mg/L	3.1	5.0	2.9	0.6
Total P		mg/L	5.7	6.6	5.5	3.9
Total N		mg/L	13.5	16.0	11.1	3.9
True Colour		Pt/Co	8	16	7.7	2
Turbidity		NTU	0.30	0.60	0.34	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	27	28.0	25.7	22.0
Nitrate		mgN/L	12.00	17.00	12.17	8.00
EC	<1200	uS/cm	840	887	837	770

* 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 2019 - June 2019*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.6	2.4	0.7	0.2
Alkalinity		mgCaCO3/l	46.4	67.6	43.6	15.7
BOD5		mg/L	2	3	2	2
Calcium		mg/L	14.0	17.0	14.2	11.0
COD		mg/L	29	40	28	18
Ammonia		mg/L	0.12	0.40	0.15	0.05
Oil & Grease		mg/L	<5	<5	<5	<5
pH	6 - 9	pH units	7.00	7.50	6.94	5.80
SS	<5	mg/l	1	2	1	0
TDS		mg/L	445	460	445	430
TKN		mg/L	2.7	6.7	2.9	1.0
Total P		mg/L	5.2	8.5	5.5	3.5
Total N		mg/L	17.0	20.0	17.0	14.0
True Colour		Pt/Co	8	16	7.7	2
Turbidity		NTU	0.30	0.50	0.32	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	26	26.0	26.0	26.0
Nitrate		mgN/L	15.00	18.00	15.00	12.00
EC	<1200	uS/cm	810	850	803	350

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Eastern Irrigation Scheme
Class A Monitoring Summary, July 2019 - September 2019*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	1.3	0.5	0.0
Alkalinity		mgCaCO3/l	39.2	67.0	39.0	18.0
BOD5		mg/L	2	4	2	2
Calcium		mg/L	16.5	20.0	16.8	15.0
COD		mg/L	24	35	21	2
Ammonia		mg/L	0.10	0.35	0.12	0.00
Oil & Grease		mg/L	5.0	8.0	5.6	5.0
pH	6 - 9	pH units	6.90	7.00	6.78	6.30
SS	<5	mg/l	1	1	1	1
TDS		mg/L	435	460	433	390
TKN		mg/L	1.8	4.4	2.0	1.0
Total P		mg/L	6.0	7.8	6.4	5.2
Total N		mg/L	20.0	21.0	18.7	15.0
True Colour		Pt/Co	7	18	7.5	1
Turbidity		NTU	0.30	0.60	0.34	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	27	29.0	27.3	26.0
Nitrate		mgN/L	17.50	19.00	17.00	14.00
EC	<1200	uS/cm	820	860	806	690

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** Results from Eastern Irrigation Scheme site

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Eastern Irrigation Scheme
Class A Monitoring Summary, October 2019 - December 2019*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.2	1.0	0.3	0.1
Alkalinity		mgCaCO3/l	51.5	86.7	52.1	25.0
BOD5		mg/L	2	3	2	2
Calcium		mg/L	17.5	19.0	17.5	16.0
COD		mg/L	20	30	20	2
Ammonia		mg/L	0.12	0.43	0.15	0.01
Oil & Grease		mg/L	5.0	5.0	5.0	5.0
pH	6 - 9	pH units	6.90	7.00	6.88	6.70
SS	<5	mg/l	1	2	1	1
TDS		mg/L	440	490	422	290
TKN		mg/L	3.0	6.0	3.1	1.3
Total P		mg/L	6.8	9.0	6.8	4.5
Total N		mg/L	17.0	18.0	16.6	14.0
True Colour		Pt/Co	8	756	13.8	1
Turbidity		NTU	0.40	1.30	0.45	0.30
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	31	31.0	31.0	31.0
Nitrate		mgN/L	15.00	17.00	15.20	13.00
EC	<1200	uS/cm	835	910	826	710

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