

Eastern Irrigation Scheme
Class A Monitoring Summary, January 2017 - March 2017*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	1.6	0.5	0.0
Alkalinity		mgCaCO3/l	69	92	66	41
BOD5		mg/L	2	4	2	2
Calcium		mg/L	20	21	19	17
COD		mg/L	25	30	25	16
Ammonia		mg/L	0.10	0.30	0.10	0.00
Oil & Grease		mg/L	5	5	5	5
pH	6 - 9	pH units	6.80	7.10	6.80	6.30
SS	<5	mg/l	1	21	1	0
TDS		mg/L	465	560	469	430
TKN		mg/L	2.0	7.0	2.3	1.0
Total P		mg/L	5.9	6.8	5.5	3.1
Total N		mg/L	15	25	16	7.4
True Colour		Pt/Co	7	14	7.2	2
Turbidity		NTU	0.50	1.80	0.60	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	25	33	25.5	21
Nitrate		mgN/L	11	14	11.1	8.7
EC	<1200	uS/cm	850	1186	850	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, April 2017 - June 2017*

Parameter	EDIAN Lir	Units	Median	Average	Maximum	Minimum
Free Chlorine**		mg/L	0.4	0.5	1.9	0.1
Alkalinity		mgCaCO3/l	51	51	78	27
BOD5		mg/L	1	1	2	1
Calcium		mg/L	18	18	21	16
CBOD5	<10	mg/L	1	1	2	1
COD		mg/L	30	31	50	20
Ammonia		mg/L	0.09	0.00	1.00	0.05
Oil & Grease		mg/L	5	5	5	5
pH	6 - 9	pH units	6.90	7.00	7.00	6.60
SS	<5	mg/l	1	1	1	1
TDS		mg/L	440	453	490	400
TKN		mg/L	2.2	2.0	5.0	0.8
Total P		mg/L	6.2	7.0	8.8	5.2
Total N		mg/L	2	2	2	0.8
True Colour		Pt/Co	6.0	7.0	12.0	2.0
Turbidity		NTU	0.50	1.00	1.00	0.10
E.Coli	<10***	orgs/100mL	0	0	1	0
Potassium		mg/L	29	28	31	24
Nitrate		mgN/L	14	14	18	9.6
EC	<1200	uS/cm	839	832	895	650

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Eastern Irrigation Scheme
Class A Monitoring Summary, July 2017 - September 2017*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.6	2.1	0.7	0.0
Alkalinity		mgCaCO3/l	47	64	48	27
BOD5		mg/L	2	2	2	2
Calcium		mg/L	17	22	18	16
COD		mg/L	30	40	31	15
Ammonia		mg/L	0.10	0.30	0.00	0.00
Oil & Grease		mg/L	5	5	5	5
pH	6 - 9	pH units	7.05	7.30	7.04	6.60
SS	<5	mg/l	1	1	1	1
TDS		mg/L	450	500	452	380
TKN		mg/L	1.7	9.7	2.1	1.0
Total P		mg/L	6.0	8.4	6.1	4.2
Total N		mg/L	15.0	19.0	15.3	13.0
True Colour		Pt/Co	8	16	8.5	2
Turbidity		NTU	0.55	1.20	0.58	0.20
E.Coli	<10***	orgs/100mL	0	1	0	0
Potassium		mg/L	31	32	29	24
Nitrate		mgN/L	13.5	16	13.5	11
EC	<1200	uS/cm	845	910	836	740

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** Results from Eastern Irrigation Scheme site

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Eastern Irrigation Scheme
Class A Monitoring Summary, October 2017 - December 2017*

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.4	2.6	0.6	0.0
Alkalinity		mgCaCO3/l	59	77	56	29
BOD5		mg/L	2	3	2	2
Calcium		mg/L	18	23	19	17
COD		mg/L	28	45	24	2
Ammonia		mg/L	0.06	0.70	0.00	0.02
Oil & Grease		mg/L	5	5	5	5
pH	6 - 9	pH units	6.90	7.00	6.86	6.40
SS	<5	mg/l	1	2	1	1
TDS		mg/L	420	570	444	380
TKN		mg/L	2.1	5.9	2.3	1.2
Total P		mg/L	4.6	9.4	5.5	2.0
Total N		mg/L	15.0	22.0	15.9	12.0
True Colour		Pt/Co	8	18	8.5	3
Turbidity		NTU	0.60	0.80	0.56	0.30
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	31	31	29.3	26
Nitrate		mgN/L	14	21	14.43	11
EC	<1200	uS/cm	844	900	841	730

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