

**Eastern Irrigation Scheme**  
**Class A Monitoring Summary, January 2020 - March 2020\***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	0.8	3.4	0.0
Alkalinity		mgCaCO3/l	59.4	91.5	58.4	28.0
BOD5		mg/L	2	3	2	2
Calcium		mg/L	17.0	19.0	16.7	14.0
COD		mg/L	21	45	23	10
Ammonia		mg/L	0.10	0.50	0.11	0.03
Sodium Absorption Ratio			4.7	5.7	4.7	3.7
pH	6 - 9	pH units	7.00	7.30	7.03	6.70
SS	<5	mg/l	1	11	2	1
TDS		mg/L	455	490	445	370
TKN		mg/L	1.8	4.3	1.9	1.0
Total P		mg/L	4.7	6.6	4.6	1.6
Total N		mg/L	15.0	20.0	15.0	11.0
True Colour		Pt/Co	8	14	8.4	4
Turbidity		NTU	0.30	0.50	0.30	0.20
E.Coli	<10***	orgs/100mL	0	1	0	0
Potassium		mg/L	27	33.0	27.3	22.0
Nitrate		mgN/L	13.00	18.00	13.47	9.80
EC	<1200	uS/cm	837	980	834	640

\* 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 2020 - June 2020\***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.0	0.5	4.3	0.0
Alkalinity		mgCaCO3/l	54.6	93.1	54.2	32.0
BOD5		mg/L	2	27	3	2
Calcium		mg/L	20.0	25.0	20.6	18.0
COD		mg/L	35	60	36	25
Ammonia		mg/L	0.10	12.00	0.40	0.05
Sodium Absorption Ratio			4.5	5.0	4.3	2.8
pH	6 - 9	pH units	6.80	7.20	6.84	6.60
SS	<5	mg/l	1	13	2	1
TDS		mg/L	470	550	466	360
TKN		mg/L	2.5	4.9	2.6	1.0
Total P		mg/L	4.7	6.2	5.0	4.2
Total N		mg/L	19.0	23.0	17.7	13.0
True Colour		Pt/Co	20	120	23.6	2
Turbidity		NTU	0.50	2.20	0.60	0.30
E.Coli	<10***	orgs/100mL	0	1	0	0
Potassium		mg/L	24	28.0	22.7	16.0
Nitrate		mgN/L	17.00	21.00	17.00	13.00
EC	<1200	uS/cm	820	930	811	680

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**Eastern Irrigation Scheme  
Class A Monitoring Summary, July 2020 - Sep 2020\***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.8	0.8	2.1	0.0
Alkalinity		mgCaCO3/l	44.4	66.0	46.2	26.7
BOD5		mg/L	2	3	2	2
Calcium		mg/L	19.0	21.0	18.3	15.0
COD		mg/L	30	40	29	3
Ammonia		mg/L	0.10	0.47	0.10	0.01
Sodium Absorption Ratio			4.7	5.0	4.6	4.0
pH	6 - 9	pH units	6.80	7.00	6.79	6.40
SS	<5	mg/l	1	3	1	1
TDS		mg/L	470	520	472	440
TKN		mg/L	2.0	4.8	2.1	1.0
Total P		mg/L	5.4	6.9	5.6	4.6
Total N		mg/L	18.5	22.0	18.0	13.0
True Colour		Pt/Co	10	14	9.3	4
Turbidity		NTU	0.40	0.80	0.39	0.20
E.Coli	<10***	orgs/100mL	0	0	0	0
Potassium		mg/L	23	31.0	24.5	22.0
Nitrate		mgN/L	17.00	20.00	16.20	11.00
EC	<1200	uS/cm	834	890	823	660

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**Eastern Irrigation Scheme**  
**Class A Monitoring Summary, October 2020 - December 2020\***

Parameter	MEDIAN Limit	Units	Median	Maximum	Average	Minimum
Free Chlorine**		mg/L	0.5	0.5	2.0	0.1
Alkalinity		mgCaCO3/l	51.0	71.2	48.7	20.3
BOD5		mg/L	2	6	3	2
Calcium		mg/L	18.0	19.0	17.9	16.0
COD		mg/L	30	50	31	17
Ammonia		mg/L	0.10	0.60	0.13	0.06
Sodium Absorption Ratio			5.0	5.2	4.9	4.4
pH	6 - 9	pH units	6.90	7.50	6.88	6.30
SS	<5	mg/l	1	6	1	1
TDS		mg/L	450	500	459	440
TKN		mg/L	1.9	3.9	2.0	0.7
Total P		mg/L	6.3	8.2	6.2	4.4
Total N		mg/L	16.0	24.0	17.6	11.0
True Colour		Pt/Co	10	35	12.0	2
Turbidity		NTU	0.40	1.90	0.55	0.20
E.Coli	<10***	orgs/100mL	0	2	0	0
Potassium		mg/L	23	28.0	24.7	23.0
Nitrate		mgN/L	13.00	22.00	15.36	9.50
EC	<1200	uS/cm	850	960	846	660

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