

[SRW Summary](#)

**Western Treatment Plant Recycled Water Quality**

**Feb-18**

Metals analysis in mg/L	LTV Limit *	STV Limit *	Median	Physical Chemistry	LTV Limit *	STV Limit *	Median
Aluminium	5	20	0.02	pH			7.9
Antimony			0.0005	BOD5 (mg/L)			1.5
Arsenic	0.1	2	0.002	Suspended Solids (mg/L)			2
Barium			0.007	<i>E.coli</i> post disinfection (orgs/100mL)			0
Beryllium	0.1	0.5	0.0005	Somatic Coliphage			0.5
Boron	0.5		0.19	Total Nitrogen (mg-N/L)	5	25-125	5.8
Cadmium	0.01	0.05	0.0001	Nitrite (mg-N/L)			0.005
Chromium	0.1	1	0.0005	Nitrate (mg-N/L)			3.7
Cobalt	0.05	0.1	0.001	Total Phosphorous (mg-P/L)	0.05	0.8-12	9
Copper	0.2	5	0.005				
Iron	0.2	10	0.04	<b>Salinity Indicators</b>			<b>Median</b>
Lead	2	5	0.0005	Sodium (mg/L)			270
Lithium	2.5 <sup>#</sup>	2.5 <sup>#</sup>	0.01	Potassium (mg/L)			31
Manganese	0.2	10	0.096	Calcium (mg/L)			30
Mercury	0.002	0.002	0.00005	Magnesium (mg/L)			27
Molybdenum	0.01	0.05	0.003	SAR			8.7
Nickel	0.2	2	#N/A	Chloride (mg-Cl/L)			380
Selenium	0.02	0.05	0.0005	TDS (mg/L)			935
Silver			0.0005	TDS Inorganic (mg/L)			810
Thorium			0.001	TDS Organic (mg/L)			125
Tin			0.0005	Electrical Conductivity			1800
Vanadium	0.1	0.5	0.001				
Zinc	2	5	0.007	<b>Aesthetic Indicator</b>			<b>Median</b>
				Colour (Pt/co units)			16

\* ARMCANZ / ANZECC Long Term trigger Value (up to 100 years)

\* ARMCANZ / ANZECC Short Term trigger Value (up to 20 years)

# Lithium STV & LTV for citrus crops is 0.075 mg/l