

Western Treatment Plant Recycled Water Quality

Metals analysis in mg/L	LTV Limit *	STV Limit *	Median	Physical Chemistry	LTV Limit *	STV Limit *	Median
Aluminium	5	20	0.03	pH			7.6
Antimony			0.001	BOD5 (mg/L)			1
Arsenic	0.1	2	0.002	Suspended Solids (mg/L)			1
Barium			0.006	<i>E.coli</i> post disinfection (orgs/100mL)			0
Beryllium	0.1	0.5	0.0005	Somatic Coliphage			0.5
Boron	0.5		0.16	Total Nitrogen (mg-N/L)	5	25-125	9.8
Cadmium	0.01	0.05	0.0001	Nitrite (mg-N/L)			0.005
Chromium	0.1	1	0.0005	Nitrate (mg-N/L)			8.3
Cobalt	0.05	0.1	0.001	Total Phosphorous (mg-P/L)	0.05	0.8-12	8.5
Copper	0.2	5	0.007				
Iron	0.2	10	0.04	Salinity Indicators			Median
Lead	2	5	0.0005	Sodium (mg/L)			260
Lithium	2.5 [#]	2.5 [#]	0.01	Potassium (mg/L)			31
Manganese	0.2	10	0.077	Calcium (mg/L)			30
Mercury	0.002	0.002	0.00005	Magnesium (mg/L)			27
Molybdenum	0.01	0.05	0.003	SAR			8.2
Nickel	0.2	2	0.009	Chloride (mg-Cl/L)			400
Selenium	0.02	0.05	0.0005	TDS (mg/L)			1100
Silver			0.0005	TDS Inorganic (mg/L)			880
Thorium			0.001	TDS Organic (mg/L)			220
Tin			0.0005	Electrical Conductivity			1800
Vanadium	0.1	0.5	0.001				
Zinc	2	5	0.013	Aesthetic Indicator			Median
				Colour (Pt/co units)			18
* 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							