

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20190430

Lake Waingaro at Surface - intake/abstraction

Report generated 13/05/19 12:51

Sample ID = 20192380	Date Collected 9/04/2019	Time 11:24		
Site 101981	Lake Waingaro at Surface -			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.005	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0023	g/m3	
Conductivity at 25 deg C	SPC-1	5.17	mS/m @25 deg C	
Dissolved Oxygen	ODO	7.97	mg/L	
Dissolved Oxygen Percent Saturation	ODO %	88.1	% Sat	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.003	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	34	CFU/100ml	
Iron Acid Soluble	FEAS-4	0.029	g/m3	
Manganese Acid Soluble	MNAS-2	0.023	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.0041	g/m3-N	
pH	pH (field meter)	6.53	pH	
Secchi Depth	Secchi	4.02	m	
Temperature	Temperature - YSI	20.2	degC	
Total Kjeldahl Nitrogen	TKN by DA_TKN	<0.1	g/m3	
Total Nitrogen	Total Nitrogen by Calculation	<0.1	g/m3-N	
Total Phosphorus	Total Phosphorus by DA	<0.004	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1	g/m3	

Sample ID = 20192381	Date Collected 9/04/2019	Time 11:19		
Site 101982	Lake Waingaro at Bottom (18 m) at intake			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.48	g/m3-N	

Conductivity at 25 deg C	SPC-1	9.02	mS/m @25 deg C	
Dissolved Oxygen	ODO	0.62	mg/L	
Dissolved Oxygen Percent Saturation	ODO %	6	% Sat	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.004	g/m3-P	
Iron Acid Soluble	FEAS-4	0.1	g/m3	
Manganese Acid Soluble	MNAS-2	0.033	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	<0.002	g/m3-N	
pH	pH (field meter)	6.46	pH	
Temperature	Temperature - YSI	13.49	degC	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.58	g/m3	
Total Nitrogen	Total Nitrogen by Calculation	0.58	g/m3-N	
Total Phosphorus	Total Phosphorus by DA	0.008	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	4	g/m3	

Methods used: Standard Methods for the Examination of Water and Waste Water. APHA, AWWA, WEF, 1998 20th edition