NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20191451

Lake Waingaro at Surface - intake/abstraction

Report generated 08/01/20 02:33

Sample ID = 20196571	**Date Collected 10/12/2019**	**Time 10:28**		
Site 101981	**Lake Waingaro at Surface -**			
Measurement	**Method**	**Value**	**Units**	
Ammoniacal Nitrogen	Ammonia by DA	0.006	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0017	g/m3	
Conductivity at 25 deg C	SPC-1	5.56	mS/m @25 deg C	
Dissolved Oxygen	ODO	8.45	mg/L	
Dissolved Oxygen Percent Saturation	ODO %	98.3	% Sat	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	11	CFU/100ml	
Iron Acid Soluble	FEAS-4	0.023	g/m3	
Manganese Acid Soluble	MNAS-2	0.0057	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.0026	g/m3-N	
pH	pH (field meter)	7.27	pH	
Secchi Depth	Secchi	6.3	m	
Temperature	Temperature - YSI	22.87	degC	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.24	g/m3	
Total Nitrogen	Total Nitrogen by Calculation	0.24	g/m3-N	
Total Phosphorus	Total Phosphorus by DA	<0.004	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	2	g/m3	

Sample ID = 20196572	**Date Collected 10/12/2019**	**Time 10:23**		
Site 101982	**Lake Waingaro at Bottom (18 m) at intake**			
Measurement	**Method**	**Value**	**Units**	
Ammoniacal Nitrogen	Ammonia by DA	0.21	g/m3-N	

Conductivity at 25 deg C	SPC-1	6.67	mS/m @25 deg C	
Dissolved Oxygen	ODO	2.18	mg/L	
Dissolved Oxygen Percent Saturation	ODO %	20.8	% Sat	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.002	g/m3-P	
Iron Acid Soluble	FEAS-4	1.3	g/m3	
Manganese Acid Soluble	MNAS-2	0.35	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.0075	g/m3-N	
pH	pH (field meter)	6.43	pH	
Temperature	Temperature - YSI	13.38	degC	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.33	g/m3	
Total Nitrogen	Total Nitrogen by Calculation	0.34	g/m3-N	
Total Phosphorus	Total Phosphorus by DA	0.012	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	5.2	g/m3	

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