

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20210966

Lake Waingaro at Surface - intake/abstraction

Report generated 30/11/21 08:18

Sample ID =	Date Collected 3/11/2021	Time 08:55		
20214921				
Site 101981	Lake Waingaro at Surface -			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.012	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0042	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.002	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	8.2	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.14	g/m3	
Manganese Total	MNT-2	0.012	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	<0.002	g/m3-N	
Secchi Depth	Secchi	5.35	m	
Total Kjeldahl Nitrogen	TKN by DA_TKN	<0.1	g/m3	
Total Nitrogen	TN by Calculation	<0.1	g/m3-N	
Total Phosphorus	TP by DA	0.004	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1.6	g/m3	

Sample ID =	Date Collected 3/11/2021	Time 09:00		
20214922				
Site 101982	Lake Waingaro at Bottom (18 m) at intake			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.022	g/m3-N	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P	
Iron Total	Iron (Total) by ICP-MS	0.16	g/m3	
Manganese Total	MNT-2	0.11	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.15	g/m3-N	
Total Kjeldahl Nitrogen	TKN by DA_TKN	<0.1	g/m3	
Total Nitrogen	TN by Calculation	0.15	g/m3-N	
Total Phosphorus	TP by DA	0.006	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1	g/m3	

Sample ID =	Date Collected 3/11/2021	Time 09:45		
20214923				
Site 327836	Lake Manuwai Weir at Onekura Road			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.019	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0016	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.005	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	500	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.46	g/m3	
Manganese Total	MNT-2	0.014	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.15	g/m3-N	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.19	g/m3	
Total Nitrogen	TN by Calculation	0.34	g/m3-N	
Total Phosphorus	TP by DA	0.015	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	2	g/m3	