

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20251244

Lake Waingaro at Surface - intake/abstraction

Report generated 16/01/26 09:09

Sample ID = 20255284	Date Collected 1/12/2025	Time 10:35		
Site 101981	Lake Waingaro at Surface - intake/abstraction			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	<0.005	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0019	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.003	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	3.3	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.09	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.014	g/m3	
Secchi	Secchi with viewer	6.05	m	
Total Kjeldahl Nitrogen	TKN by DA_TKN	<0.1	g/m3	
Total Nitrogen	TN by Calculation	<0.1	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.0023	g/m3-N	
Total Phosphorus	TP by DA	<0.004	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1.2	g/m3	

Sample ID = 20255285	Date Collected 1/12/2025	Time 10:30		
Site 101982	Lake Waingaro at Bottom (18 m) at intake point			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.012	g/m3-N	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P	
Iron Total	Iron (Total) by ICP-MS	0.37	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.13	g/m3	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.2	g/m3	
Total Nitrogen	TN by Calculation	0.33	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.12	g/m3-N	
Total Phosphorus	TP by DA	0.004	g/m3-P	
Total Suspended	Suspended Solids by Gravimetry	1.2	g/m3	

Solids				
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Sample ID = 20255286	Date Collected 1/12/2025	Time 11:40		
Site 327836	Lake Manuwai Weir at Onekura Road			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.0099	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0019	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.01	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	130	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	1.7	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.05	g/m3	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.15	g/m3	
Total Nitrogen	TN by Calculation	0.18	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.031	g/m3-N	
Total Phosphorus	TP by DA	0.031	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	3	g/m3	

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