

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20251243

Lake Manuwai at Surface intake

Report generated 16/01/26 09:07

Sample ID = 20255281	Date Collected 1/12/2025	Time 12:45		
Site 101985	Lake Manuwai at Surface intake			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.015	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0064	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.004	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	3.3	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.37	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.061	g/m3	
Secchi	Secchi with viewer	2.99	m	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.14	g/m3	
Total Nitrogen	TN by Calculation	0.16	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.021	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 = 20255282	Date Collected 1/12/2025	Time 12:40		
Site 101986	Lake Manuwai at Bottom (13 m) intake point			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.024	g/m3-N	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.005	g/m3-P	
Iron Total	Iron (Total) by ICP-MS	0.43	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.081	g/m3	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.2	g/m3	
Total Nitrogen	TN by Calculation	0.25	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.059	g/m3-N	
Total Phosphorus	TP by DA	0.005	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1.7	g/m3	

Sample ID = 20255283	Date Collected 1/12/2025	Time 12:05		
Site 327834	Lake Manuwai Weir at Ironbark Road			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.012	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	<0.0006	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.002	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	530	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.75	g/m3	
Manganese Total	Manganese (Total) by ICP-MS	0.02	g/m3	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.16	g/m3	
Total Nitrogen	TN by Calculation	0.24	g/m3-N	
Total Oxidised Nitrogen	NO3NO2 by FA	0.082	g/m3-N	
Total Phosphorus	TP by DA	0.011	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	1.6	g/m3	

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