

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20210965

Lake Manuwai at Surface intake

Report generated 22/11/21 08:54

Sample ID = 20214918	Date Collected 3/11/2021	Time 10:35		
Site 101985	Lake Manuwai at Surface intake			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.006	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.015	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	31	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.23	g/m3	
Manganese Total	MNT-2	0.025	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	<0.002	g/m3-N	
Secchi Depth	Secchi	2.4	m	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.17	g/m3	
Total Nitrogen	TN by Calculation	0.17	g/m3-N	
Total Phosphorus	TP by DA	0.01	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	4.8	g/m3	

Sample ID = 20214919	Date Collected 3/11/2021	Time 10:40		
Site 101986	Lake Manuwai at Bottom (13 m) intake			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.007	g/m3-N	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P	
Iron Total	Iron (Total) by ICP-MS	0.25	g/m3	
Manganese Total	MNT-2	0.036	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	<0.002	g/m3-N	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.23	g/m3	
Total Nitrogen	TN by Calculation	0.23	g/m3-N	
Total Phosphorus	TP by DA	0.018	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	4	g/m3	

Sample ID = 20214920	Date Collected 3/11/2021	Time 10:00		
Site 327834	Lake Manuwai Weir at Ironbark Road			
Measurement	Method	Value	Units	
Ammoniacal Nitrogen	Ammonia by DA	0.008	g/m3-N	
Chlorophyll a	Chlorophyll by UVVIS	0.0045	g/m3	
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.003	g/m3-P	
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	400	CFU/100ml	
Iron Total	Iron (Total) by ICP-MS	0.56	g/m3	
Manganese Total	MNT-2	0.017	g/m3	
Nitrite/nitrate nitrogen	NO3NO2 by FA	0.14	g/m3-N	
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.152	g/m3	
Total Nitrogen	TN by Calculation	0.29	g/m3-N	
Total Phosphorus	TP by DA	0.014	g/m3-P	
Total Suspended Solids	Suspended Solids by Gravimetry	2.4	g/m3	

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