

NORTHLAND REGIONAL COUNCIL

Report for Field Sheet Number 20260480

Lake Waingaro at Surface - intake/abstraction

Report generated 25/06/26 01:15

Sample ID = 20262074	Date Collected 27/05/2026	Time 10:35	
Site 101981	Lake Waingaro at Surface -		
Measurement	Method	Value	Units
Ammoniacal Nitrogen	Ammonia by DA	0.0076	g/m3-N
Chlorophyll a	Chlorophyll by UVVIS	0.0051	g/m3
Conductivity at 25 deg C (uS/cm)	SPC (field meter)	49.4	us/cm
Dissolved Oxygen	ODO	8.3	mg/L
Dissolved Oxygen Percent Saturation	ODO %	84.7	% Sat
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	<0.002	g/m3-P
Faecal Coliforms (presumptive)	Faecal coliforms by Membrane Filtration	18	CFU/100ml
Iron Total	Iron (Total) by ICP-MS	0.32	g/m3
Magnesium Total	Magnesium (Total) by ICP-MS	0.83	g/m3
pH	pH (field meter)	6.62	pH
Temperature	Temperature - YSI	16.326	degC
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.12	g/m3
Total Nitrogen	TN by Calculation	0.12	g/m3-N
Total Oxidised Nitrogen	NO3NO2 by FA	0.0034	g/m3-N
Total Phosphorus	TP by DA	<0.004	g/m3-P
Total Suspended Solids	Suspended Solids by Gravimetry	1.1	g/m3

Sample ID = 20262075	Date Collected 27/05/2026	Time 10:30	
Site 101982	Lake Waingaro at Bottom (18 m) at intake		
Measurement	Method	Value	Units
Ammoniacal Nitrogen	Ammonia by DA	0.32	g/m3-N

Conductivity at 25 deg C (uS/cm)	SPC (field meter)	89	us/cm
Dissolved Oxygen	ODO	0.07	mg/L
Dissolved Oxygen Percent Saturation	ODO %	0.7	% Sat
Dissolved Reactive Phosphorus	Dissolved Reactive Phosphorus by DA	0.0031	g/m3-P
Iron Total	Iron (Total) by ICP-MS	6	g/m3
Magnesium Total	Magnesium (Total) by ICP-MS	0.91	g/m3
Nitrate Nitrogen	Nitrate by IC	<0.002	g/m3-N
Nitrite Nitrogen	Nitrite by IC	<0.002	g/m3-N
pH	pH (field meter)	6.66	pH
Temperature	Temperature - YSI	14.247	degC
Total Kjeldahl Nitrogen	TKN by DA_TKN	0.44	g/m3
Total Nitrogen	TN by Calculation	0.44	g/m3-N
Total Oxidised Nitrogen	NOX by IC	<0.002	g/m3-N
Total Phosphorus	TP by DA	0.006	g/m3-P
Total Suspended Solids	Suspended Solids by Gravimetry	1.8	g/m3

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