

Wastewater Treatment Plant / Te Ngae Road / Rotorua / 07 351 7611 / rdc.lab@rotorualc.nz / www.rotorualakescouncil.nz

**Client:** BOPRC Okareka  
**Address:** P.O Box 1435  
Rotorua  
**Contact:** Andy Woolhouse

**Date received:** 29/10/2018  
**Report Number:** 1810159  
**Order Number:**  
**Issue date:** 7/11/2018

## Analysis of Sample(s):

		1810159-01 Lake Okareka Lake discharge	1810159-02 Lake Tarawera Rangiuuru Bay
Ammoniacal Nitrogen	mg/L	0.019	<0.010
Dissolved Oxygen	mg/L	9.3	10.1
Dissolved Reactive Phosphorus	mg/L	<0.010	0.018
Electrical Conductivity	µs/cm	73.8	789
Escherichia coli	MPN/100 mL	17	7.3
pH		7.5	7.7
Total Coliforms	MPN/100 mL	390	190
Total Nitrogen	mg/L	0.18	0.12
Total Phosphorus	mg/L	0.0097	0.015
Total Suspended Solids	mg/L	<1.0	<1.0

## Summary of Method(s):

Ammoniacal Nitrogen	NH4-N. APHA 4500-NH3 F (modified)
Dissolved Oxygen	APHA 4500-O G
Dissolved Reactive Phosphorus	0.45 µm filtered. APHA 4500-P G
Electrical Conductivity	APHA 2510B
Escherichia coli	Colilert-18. APHA 9223B
pH	APHA 4500-H+ B
Total Coliforms	Colilert-18. APHA 9223B
Total Nitrogen	APHA 4500-P J
Total Phosphorus	APHA 4500-P B 5 (modified), 4500-P E (modified)
Total Suspended Solids	APHA 2540D

## Analyst's Comments:

It has been noted that the results for the Dissolved Reactive Phosphorus were greater than that for the Total Phosphorus fractions for sample 1810159-01 and 1810159-02, but within analytical variation of the methods.

- Results apply to sample/s 'as delivered' to the laboratory.
- A summary of the test method/s used is available on request. All accredited methods reference APHA, 23rd Edition, 2017.
- Samples are held by the laboratory for one month (where appropriate) after reporting of results. After this time they will be discarded unless advised otherwise by the submitter.
- This report may not be reproduced except in full.

Approved by:



Tainui Forrester **Senior Laboratory Technician**