

From: Karlien Heyns-5440
Sent: 3 Oct 2018 08:02:27 +1300
To: monitoring
Subject: FW: TN & Chla results for Pelorus/QCS September attached
Attachments: rg6723 TN & Chla.pdf, rg6723TN & Chla.csv, rn6730 TN & Chla.csv, rn6730 TN & Chla.pdf

Good morning

Please find results attached for consent numbers U140296 Ngamahau; U140295 Kopaua; U140294 Waitata.

Regards
Karlien

From: Mike Crump [mailto:Mike.Crump@niwa.co.nz]
Sent: Tuesday, 2 October 2018 5:18 p.m.
To: Karlien Heyns-5440
Cc: Mike Ede-5123; Steve Urlich-8309
Subject: TN & Chla results for Pelorus/QCS September attached



Mike Crump
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NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Karlien Heyns
 Marlborough District Council
 15 Seymour Street
 Blenheim

LOT NUMBER : 2018000963
 SF NUMBER : RG 6723
 JOB NUMBER : HN19LAB/TEST

CHECKED : MC
 APPROVED : MC
 REPORT DATE : 2/10/2018



JOB : Pelorus Sound

Temperature of samples on receipt at the NIWA Water Quality Lab: 5.0°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
RG1	20187855	18/09/2018	19/09/2018	173	1.4
RG2	20187856	18/09/2018	19/09/2018	125	0.7
RG3	20187857	18/09/2018	19/09/2018	132	0.4
RG4	20187858	18/09/2018	19/09/2018	136	0.8
RG5	20187859	18/09/2018	19/09/2018	187	0.5
RG6	20187860	18/09/2018	19/09/2018	171	0.5
RG7	20187861	18/09/2018	19/09/2018	314	0.7
RG8	20187862	18/09/2018	19/09/2018	268	0.8
RG9	20187863	18/09/2018	19/09/2018	146	0.7
RG10	20187864	18/09/2018	19/09/2018	241	0.9
RG11	20187865	18/09/2018	19/09/2018	142	0.8
RG12	20187866	18/09/2018	19/09/2018	259	1.0

A summary of methods used and detection limits is as follows.

Parameter	Description	Detection Limit	Method
Chlorophyll a(Chla)	Acetone pigment extraction, spectrofluorometric measurement.	0.1	A*10200H
Total Nitrogen(TN)	Persulphate digest, auto cadmium reduction, FIA	10	Lachat

**Samples are held at the laboratory for two months after reporting of results.
 After this date they are discarded unless otherwise advised by the submitter.
 These samples were analysed as received at the laboratory.**

NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Karlien Heyns
 Marlborough District Council
 15 Seymour Street
 Blenheim

LOT NUMBER : 2018000972
 SF NUMBER : RN 6730
 JOB NUMBER : HN19LAB/TEST

CHECKED : MC
 APPROVED : MC
 REPORT DATE : 2/10/2018



JOB : Queen Charlotte Sound

Temperature of samples on receipt at the NIWA Water Quality Lab: 3.0°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
RN1	20187879	19/09/2018	20/09/2018	175	1.7
RN2	20187880	19/09/2018	20/09/2018	144	3.5
RN3	20187881	19/09/2018	20/09/2018	166	1.3
RN4	20187882	19/09/2018	20/09/2018	153	4.2
RN5	20187883	19/09/2018	20/09/2018	191	2.1
RN6	20187884	19/09/2018	20/09/2018	207	2.4
RN7	20187885	19/09/2018	20/09/2018	195	0.5
RN8	20187886	19/09/2018	20/09/2018	218	5.4
RN9	20187887	19/09/2018	20/09/2018	205	0.4
RN10	20187888	19/09/2018	20/09/2018	219	4.1

A summary of methods used and detection limits is as follows.

Parameter	Description	Detection Limit	Method
Chlorophyll a(Chla)	Acetone pigment extraction, spectrofluorometric measurement.	0.1	A*10200H
Total Nitrogen(TN)	Persulphate digest, auto cadmium reduction, FIA	10	Lachat

**Samples are held at the laboratory for two months after reporting of results.
 After this date they are discarded unless otherwise advised by the submitter.
 These samples were analysed as received at the laboratory.**