

From: Karlien Heyns-5440
Sent: 13 Jun 2018 08:19:33 +1200
To: monitoring
Subject: CM: FW: TN & Chla results attached for May 2018 Pelorus/QCS samples
Attachments: ip6469 tn & chla.csv, ip6469 tn & chla.pdf, hy6478 TN & Chla.csv, hy6478 TN & Chla.pdf

For consent numbers U140296 Ngamahau; U140295 Kopaua; U140294 Waitata

Cheers

Karlien

From: Mike Crump [mailto:Mike.Crump@niwa.co.nz]
Sent: Tuesday, 12 June 2018 7:47 p.m.
To: Karlien Heyns-5440
Cc: Mike Ede-5123; Steve Urlich-8309
Subject: TN & Chla results attached for May 2018 Pelorus/QCS samples

Mike Crump
Principal Technician - Water Quality
Group Manager - Water Quality Laboratory

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New Zealand's natural resources



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NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Karlien Heyns
 Marlborough District Council
 15 Seymour Street
 Blenheim

LOT NUMBER : 2018000640
 SF NUMBER : IP 6469
 JOB NUMBER : HN18LAB/TEST

CHECKED : MC
 APPROVED : MC
 REPORT DATE : 12/06/2018

JOB : Pelorus Sound

Temperature of water samples on arrival at NIWA Hamilton Water Quality Lab: 5°C

<i>NIWA ID</i>	<i>Client ID</i>	<i>Date Collected</i>	<i>Date Received</i>	<i>TN mg/m3</i>	<i>Chla mg/m3</i>
IP1	20184551	30/05/2018	31/05/2018	301	0.8
IP2	20184552	30/05/2018	31/05/2018	254	1.6
IP3	20184553	30/05/2018	31/05/2018	197	0.4
IP4	20184554	30/05/2018	31/05/2018	241	0.6
IP5	20184555	30/05/2018	31/05/2018	203	0.4
IP6	20184556	30/05/2018	31/05/2018	223	1.1
IP7	20184557	30/05/2018	31/05/2018	179	0.6
IP8	20184558	30/05/2018	31/05/2018	193	1.7
IP9	20184559	30/05/2018	31/05/2018	200	0.5
IP10	20184560	30/05/2018	31/05/2018	223	1.2
IP11	20184561	30/05/2018	31/05/2018	173	0.8
IP12	20184562	30/05/2018	31/05/2018	340	0.8

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 : 2018000617
SF NUMBER : HY 6478
JOB NUMBER : HN18LAB/TEST

CHECKED : MC
APPROVED : MC
REPORT DATE : 12/06/2018

JOB : Queen Charlotte Sound

Temperature of water samples on arrival at NIWA Hamilton Water Quality Lab: 2.0°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
HY1	20184319	23/05/2018	24/05/2018	201	0.6
HY2	20184320	23/05/2018	24/05/2018	321	1.2
HY3	20184321	23/05/2018	24/05/2018	191	1.0
HY4	20184322	23/05/2018	24/05/2018	267	1.2
HY5	20184323	23/05/2018	24/05/2018	279	0.8
HY6	20184324	23/05/2018	24/05/2018	309	0.7
HY7	20184325	23/05/2018	24/05/2018	217	0.5
HY8	20184326	23/05/2018	24/05/2018	228	0.6
HY9	20184327	23/05/2018	24/05/2018	218	0.5
HY10	20184328	23/05/2018	24/05/2018	249	2.7

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.
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