

From: Karlien Heyns-5440
Sent: 7 Aug 2019 15:42:16 +1200
To: monitoring
Subject: FW: July TN and Chla results
Attachments: SV8346.pdf, sv8346.csv, so8339.csv, so8339.pdf

Hi

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

Cheers
Karlien

From: Margaret McMonagle [mailto:Margaret.McMonagle@niwa.co.nz]
Sent: Wednesday, 7 August 2019 1:27 PM
To: Mike Ede-5123; Karlien Heyns-5440
Subject: July TN and Chla results

Hi,

Reports as attached.

Regards
Margaret



Climate, Freshwater & Ocean Science

Margaret McMonagle
Water Quality Technician
T +64-7-859-1873

National Institute of Water & Atmospheric Research Ltd (NIWA)
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NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Karlien Heyns
Marlborough District Council
15 Seymour Street
Blenheim

LOT NUMBER : 2019000823
SF NUMBER : SV 8346
JOB NUMBER : HN20LAB/TEST

CHECKED : MM
APPROVED : MM
REPORT DATE : 7/08/2019

JOB : Pelorus Sounds

Temperature on arrival: 3°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
SV1	20198322	24/07/2019	25/07/2019	304	0.6
SV2	20198323	24/07/2019	25/07/2019	232	0.4
SV3	20198324	24/07/2019	25/07/2019	212	0.2
SV4	20198325	24/07/2019	25/07/2019	217	0.5
SV5	20198326	24/07/2019	25/07/2019	246	0.2
SV6	20198327	24/07/2019	25/07/2019	216	1.8
SV7	20198328	24/07/2019	25/07/2019	257	0.3
SV8	20198329	24/07/2019	25/07/2019	327	2.7
SV9	20198330	24/07/2019	25/07/2019	309	0.5
SV10	20198331	24/07/2019	25/07/2019	233	1.0
SV11	20198332	24/07/2019	25/07/2019	260	0.5
SV12	20198333	24/07/2019	25/07/2019	252	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.



CLIENT : Karlien Heyns
Marlborough District Council
15 Seymour Street
Blenheim

LOT NUMBER : 2019000819
SF NUMBER : SO 8339
JOB NUMBER : HN20LAB/TEST

CHECKED : MM
APPROVED : MM
REPORT DATE : 7/08/2019

JOB : Queen Charlotte Sounds

Temperature on arrival: 5°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
SO1	20198305	23/07/2019	24/07/2019	197	0.4
SO2	20198306	23/07/2019	24/07/2019	209	0.5
SO3	20198307	23/07/2019	24/07/2019	199	0.4
SO4	20198308	23/07/2019	24/07/2019	210	0.8
SO5	20198309	23/07/2019	24/07/2019	201	0.4
SO6	20198310	23/07/2019	24/07/2019	193	1.4
SO7	20198311	23/07/2019	24/07/2019	217	0.5
SO8	20198312	23/07/2019	24/07/2019	226	3.6
SO9	20198313	23/07/2019	24/07/2019	236	0.5

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.
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