

From: Emma Chibnall
Sent: 16 Oct 2020 15:38:45 +1300
To: monitoring
Subject: FW: Pelorus/QCS TN and chla results attached
Attachments: xr9146.csv, xj9138.csv, xr9146.pdf, xj9138.pdf

Please find attached the TN and Chla results for Queen charlotte and pelorus coastal monitoring

Consents:

U140296 Ngamahau

U140295 Kopaua

U140294 Waitata

From: Mike Crump [mailto:Mike.Crump@niwa.co.nz]
Sent: Friday, 16 October 2020 1:41 PM
To: Emma Chibnall
Cc: Mike Ede-5123
Subject: Pelorus/QCS TN and chla results attached

Mike Crump

Principal Technician - Water Quality

Group Manager - Water Quality Laboratory

+64-7-856-1739 | +64-27-517-5170

National Institute of Water & Atmospheric Research Ltd (NIWA)

Gate 10 Silverdale Road Hillcrest Hamilton New Zealand

Connect with NIWA: niwa.co.nz [Facebook](#) [LinkedIn](#) [Twitter](#) [Instagram](#)

To ensure compliance with legal requirements and to maintain cyber security standards, NIWA's IT systems are subject to ongoing monitoring, activity logging and auditing. This monitoring and auditing service may be provided by third parties. Such third parties can access information transmitted to, processed by and stored on NIWA's IT systems

This e-mail message has been scanned by **SEG Cloud**



NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Mike Ede
 Marlborough District Council
 15 Seymour Street
 Blenheim

LOT NUMBER : 2020000929
 SF NUMBER : XR 9146
 JOB NUMBER : HN21LAB/TEST

CHECKED : MC
 APPROVED : MC
 REPORT DATE : 16/10/2020

JOB : Pelorus Sound

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

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
XR 1	20212782	24/09/2020	25/09/2020	139	1.5
XR 2	20212783	24/09/2020	25/09/2020	157	1.9
XR 3	20212784	24/09/2020	25/09/2020	133	2.0
XR 4	20212785	24/09/2020	25/09/2020	122	1.8
XR 5	20212786	24/09/2020	25/09/2020	169	1.2
XR 6	20212787	24/09/2020	25/09/2020	136	1.4
XR 7	20212788	24/09/2020	25/09/2020	151	2.6
XR 8	20212789	24/09/2020	25/09/2020	144	2.8
XR 9	20212790	24/09/2020	25/09/2020	169	2.1
XR 10	20212791	24/09/2020	25/09/2020	183	2.5
XR 11	20212792	24/09/2020	25/09/2020	157	1.0
XR 12	20212793	24/09/2020	25/09/2020	182	1.4

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

Parameter	Description	Detection Limit	Method
Chlorophyll-a - Filter 1(Chla)	Acetone pigment extraction, spectrophotometric measurement.	0.01	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 : Mike Ede
Marlborough District Council
15 Seymour Street
Blenheim

LOT NUMBER : 202000912
SF NUMBER : XJ 9138
JOB NUMBER : HN21LAB/TEST

CHECKED : MC
APPROVED : MC
REPORT DATE : 16/10/2020

JOB : Queen Charlotte Sound

Temperature of water samples on receipt at the NIWA Hamilton Water Quality Lab: 3°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
XJ1	20212749	22/09/2020	23/09/2020	161	0.4
XJ2	20212750	22/09/2020	23/09/2020	237	0.8
XJ3	20212751	22/09/2020	23/09/2020	136	0.8
XJ4	20212752	22/09/2020	23/09/2020	157	1.1
XJ5	20212753	22/09/2020	23/09/2020	129	0.5
XJ6	20212754	22/09/2020	23/09/2020	217	1.2
XJ7	20212755	22/09/2020	23/09/2020	124	1.5
XJ8	20212756	22/09/2020	23/09/2020	120	0.3
XJ9	20212757	22/09/2020	23/09/2020	148	0.6

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

Parameter	Description	Detection Limit	Method
Chlorophyll-a - Filter 1(Chla)	Acetone pigment extraction, spectrophotometric measurement.	0.01	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.**