

From: Karlien Heyns-5440
Sent: 6 Mar 2019 14:04:23 +1300
To: monitoring
Subject: FW: TN-Chla results for Jan Pelorus/QCS attached
Attachments: cd7008.csv, cd7008.pdf, bn6992.csv, bn6992.pdf

Please find results attached for NZKS farms consent conditions.

Regards
Karlien

From: Mike Crump [mailto:Mike.Crump@niwa.co.nz]
Sent: Monday, 18 February 2019 1:45 PM
To: Karlien Heyns-5440
Cc: Mike Ede-5123
Subject: TN-Chla results for Jan Pelorus/QCS attached



Mike Crump
Principal Technician - Water Quality
Group Manager - Water Quality Laboratory
T +64-7-856-1739
National Institute of Water & Atmospheric Research Ltd (NIWA)
Gate 10 Silverdale Road, Hillcrest, Hamilton
Connect with NIWA: niwa.co.nz [Facebook](#) [Twitter](#) [LinkedIn](#) [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 : Karlien Heyns
 Marlborough District Council
 15 Seymour Street
 Blenheim

LOT NUMBER : 2019000093
 SF NUMBER : CD 7008
 JOB NUMBER : HN19LAB/TEST

CHECKED : MC
 APPROVED : MC
 REPORT DATE : 18/02/2019

JOB : Pelorus Sound

Temperature of water samples on receipt at the NIWA Water Quality Lab: 9.0°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
CD1	20192198	24/01/2019	25/01/2019	327	1.8
CD2	20192199	24/01/2019	25/01/2019	347	1.7
CD3	20192200	24/01/2019	25/01/2019	211	1.5
CD4	20192201	24/01/2019	25/01/2019	207	1.7
CD5	20192202	24/01/2019	25/01/2019	214	0.8
CD6	20192203	24/01/2019	25/01/2019	226	0.6
CD7	20192204	24/01/2019	25/01/2019	203	1.2
CD8	20192205	24/01/2019	25/01/2019	200	1.4
CD9	20192206	24/01/2019	25/01/2019	158	1.4
CD10	20192207	24/01/2019	25/01/2019	191	1.6
CD11	20192208	24/01/2019	25/01/2019	169	0.7
CD12	20192209	24/01/2019	25/01/2019	247	0.9

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 : 2019000066
SF NUMBER : BN 6992
JOB NUMBER : HN19LAB/TEST

CHECKED : MC
APPROVED : MC
REPORT DATE : 18/02/2019

JOB : Queen Charlotte Sound

Temperature of water samples on receipt at the NIWA Water Quality Lab: 7.0°C

NIWA ID	Client ID	Date Collected	Date Received	TN mg/m3	Chla mg/m3
BN1	20192047	21/01/2019	22/01/2019	209	0.8
BN2	20192048	21/01/2019	22/01/2019	181	0.9
BN3	20192049	21/01/2019	22/01/2019	241	0.4
BN4	20192050	21/01/2019	22/01/2019	184	1.5
BN5	20192051	21/01/2019	22/01/2019	215	0.4
BN6	20192052	21/01/2019	22/01/2019	209	0.3
BN7	20192053	21/01/2019	22/01/2019	156	1.3
BN8	20192054	21/01/2019	22/01/2019	199	1.0
BN9	20192055	21/01/2019	22/01/2019	189	1.9

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.**