

**From:** Karlien Heyns-5440  
**Sent:** 9 May 2018 08:27:28 +1200  
**To:** monitoring  
**Subject:** FW: TN & Chla results  
**Attachments:** eo6391 TN & Chla.csv, eo6391 TN & Chla.pdf, eh6384 TN & Chla.csv, eh6384 TN & Chla.pdf

Good morning

Please find attached lab results for NZKS for April sampling, consent numbers:  
U140296 Ngamahau  
U140295 Kopaua  
U140294 Waitata

Cheers,

Karlien

---

**From:** Mike Crump [mailto:Mike.Crump@niwa.co.nz]  
**Sent:** Tuesday, 8 May 2018 5:23 p.m.  
**To:** Karlien Heyns-5440  
**Cc:** Mike Ede-5123; Steve Urlich-8309  
**Subject:** TN & Chla results

---



NIWA HAMILTON WATER QUALITY LABORATORY

CLIENT : Karlien Heyns  
Marlborough District Council  
15 Seymour Street  
Blenheim

LOT NUMBER : 2018000483  
SF NUMBER : EO 6391  
JOB NUMBER : HN18LAB/TEST

CHECKED : MC  
APPROVED : MC  
REPORT DATE : 8/05/2018

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>
EO1	20183596	19/04/2018	20/04/2018	313	1.6
EO2	20183597	19/04/2018	20/04/2018	316	2.4
EO4	20183598	19/04/2018	20/04/2018	297	0.9
EO3	20183599	19/04/2018	20/04/2018	227	1.6
EO6	20183600	19/04/2018	20/04/2018	183	0.5
EO5	20183601	19/04/2018	20/04/2018	170	2.5
EO8	20183602	19/04/2018	20/04/2018	165	1.3
EO7	20183603	19/04/2018	20/04/2018	175	2.3
EO10	20183604	19/04/2018	20/04/2018	148	1.0
EO9	20183605	19/04/2018	20/04/2018	194	1.5
EO12	20183606	19/04/2018	20/04/2018	176	0.9
EO11	20183607	19/04/2018	20/04/2018	235	0.6

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

<b>Parameter</b>	<b>Description</b>	<b>Detection Limit</b>	<b>Method</b>
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 : 2018000479  
SF NUMBER : EH 6384  
JOB NUMBER : HN18LAB/TEST

CHECKED : MC  
APPROVED : MC  
REPORT DATE : 8/05/2018

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

<b>NIWA ID</b>	<b>Client ID</b>	<b>Date Collected</b>	<b>Date Received</b>	<b>TN mg/m3</b>	<b>Chla mg/m3</b>
EH2	20183582	18/04/2018	19/04/2018	248	0.3
EH1	20183583	18/04/2018	19/04/2018	211	0.7
EH4	20183584	18/04/2018	19/04/2018	204	0.5
EH3	20183585	18/04/2018	19/04/2018	171	1.1
EH6	20183586	18/04/2018	19/04/2018	178	0.4
EH5	20183587	18/04/2018	19/04/2018	158	0.4
EH8	20183588	18/04/2018	19/04/2018	165	0.4
EH7	20183589	18/04/2018	19/04/2018	145	2.5
EH10	20183590	18/04/2018	19/04/2018	190	0.2
EH9	20183591	18/04/2018	19/04/2018	171	2.8

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

<b>Parameter</b>	<b>Description</b>	<b>Detection Limit</b>	<b>Method</b>
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.**