

5 July 22

Monitoring and Compliance  
Gisborne District Council  
15 Fitzherbert Street  
PO Box 747  
Gisborne 4010

By e-mail: [compliance.admin@gdc.govt.nz](mailto:compliance.admin@gdc.govt.nz)

To whom it may concern,

**Re: Matawhero Logyard Cell 3 - DL-2018-108538-00**

Please see below the results of the monitoring undertaken on 25.05.2022 as required by conditions 10 - 28 of consent DL-2018-108538-00.

All recorded parameters were below consent trigger limits.

Kind Regards,



Marie Knue  
Ecology Consultant  
4Sight Consulting Ltd

## Analysis Report

Customer: Eastland Port	Date Received: 25/05/2022 11:33 AM
Address: 1 Kaiti Beach Road	Date Completed: 15/06/2022 2:50 PM
Gisborne, 4010	
Attention: Marie Knue	Purchase Order #:

Sample Type: Water

	Units	2022002439 Bore GW02	2022002440 New Monitoring Bore
		25/05/2022 9:30	25/05/2022 10:30
<b>Test</b>			
Analytica Laboratories Report		22-19671 & 22-21119	22-19671
Conductivity @25°C	µS/cm	768	979
Dissolved Oxygen Field Test	g/m <sup>3</sup>	4.2	0.81
pH - Water		7.1	7.0
Salinity	ppt	0.3	0.4
Static Water Level	m	1.63	1.71
Temperature on Site	°C	16.7	16.3

Comments: These samples were also analysed by Analytica Laboratories. Please see attached reports.

Test Standards:

Test	Methodology
Analytica Laboratories Report	Sub Contracted Tests
Conductivity @25°C	APHA 23rd Ed 2510 B
Dissolved Oxygen Field Test	APHA 23rd Ed 4500 OG
pH - Water	APHA 23rd 4500-H+ B. Unless stated, measured between 18-22°C
Salinity	APHA 23rd Ed 2520 B
Static Water Level	*
Temperature on Site	APHA 23rd Ed 2550 B

Authorised By:

Mel Moeller  
Laboratory Technician

Certified By:

Stephanie Brew  
Water Chemistry KTP  
Dipl. Biologist

*S. Brew*



Tests indicated as  
not accredited are outside  
the scope of the  
laboratory's accreditation

The NZ mark of competence  
Tohu Matatau Aotearoa

Methods marked with a \* are not IANZ accredited.

This report shall not be reproduced except in full, without written approval of the laboratory.

"Detailed activity" stating the start and completion dates and times of individual tests have not been recorded on this report. This information is available upon request.



## Certificate of Analysis

Linnaeus Laboratory Limited  
 4 Banks Street, Awapuni  
 Gisborne 4010

Attention: Sally Chappell  
 Phone: 06 867 8512  
 Email: sally@linnaeus.co.nz

Lab Reference: 22-19671  
 Submitted by: Linnaeus Laboratory Limited  
 Date Received: 26/05/2022  
 Testing Initiated: 26/05/2022  
 Date Completed: 2/06/2022  
 Order Number: 912  
 Reference:

Sampling Site: Matawhero Log Yard (Eastland Port)

### Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at Analytica Laboratories. Samples were in acceptable condition unless otherwise noted on this report. Specific testing dates are available on request.

### Elements in Water (Soluble)

Client Sample ID			2022002439 Bore GW02	2022002440 New Monitoring Bore
Date Sampled			25/05/2022	25/05/2022
Analyte	Unit	Reporting Limit	22-19671-1	22-19671-2
Copper	g/m <sup>3</sup>	0.0002	0.00092	<0.00020
Lead	g/m <sup>3</sup>	0.00005	0.0108	<0.000050
Zinc	g/m <sup>3</sup>	0.001	0.0066	<0.0010

### Total Petroleum Hydrocarbons - Water

Client Sample ID			2022002439 Bore GW02	2022002440 New Monitoring Bore
Date Sampled			25/05/2022	25/05/2022
Analyte	Unit	Reporting Limit	22-19671-1	22-19671-2
C7-C9	g/m <sup>3</sup>	0.2	<0.2	<0.2
C10-C14	g/m <sup>3</sup>	0.2	<0.2	<0.2
C15-C36	g/m <sup>3</sup>	0.3	<0.3	<0.3
C7-C36 (Total)	g/m <sup>3</sup>	0.5	<0.5	<0.5

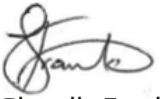
### Method Summary

#### Soluble Trace Elements


Samples were analysed as received by the laboratory using ICP-MS following a 0.45µm membrane filtration (except when field filtered). In house procedure based on US EPA 200.8.

#### TPH in Water

Solvent extraction, followed by GC-FID analysis (C7-C36). MFE Petroleum Industry Guidelines. (In accordance with in-house procedure based on US EPA 8015).



Sharelle Frank, B.Sc. (Tech)  
Technologist



Rong Zhang  
Technician



## Certificate of Analysis

Linnaeus Laboratory Limited  
 4 Banks Street, Awapuni  
 Gisborne 4010

Attention: Sally Chappell  
 Phone: 06 867 8512  
 Email: sally@linnaeus.co.nz

Lab Reference: 22-21119  
 Submitted by: Linnaeus Laboratory Limited  
 Date Received: 26/05/2022  
 Testing Initiated: 10/06/2022  
 Date Completed: 13/06/2022  
 Order Number: 912  
 Reference:

Sampling Site: Matawhero Log Yard (Eastland Port)

### Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at Analytica Laboratories. Samples were in acceptable condition unless otherwise noted on this report. Specific testing dates are available on request.

### Elements in Water (Soluble)

Client Sample ID		2022002439 Bore GW02	
Date Sampled		25/05/2022	
Analyte	Unit	Reporting Limit	22-21119-1
Lead	g/m <sup>3</sup>	0.00005	<0.000050

### Method Summary

#### Soluble Trace Elements

Samples were analysed as received by the laboratory using ICP-MS following a 0.45µm membrane filtration (except when field filtered). In house procedure based on US EPA 200.8.

Sharelle Frank, B.Sc. (Tech)  
 Technologist

# Eastland Port - E004



Matawhero Log Yard Cell 3 Groundwater Sampling - Monthly (until July 2022)

Contact: Marie Knue (mariek@4sight.co.nz)

REPORT WITH DAILY SUMMARY AND BORE FORMS

Date: 25.5.22 Sampler: DW DO Probe: 139 Job Time: 2 1/2 Km's: 15

Linnaeus Analyses		Bore GW02		New Monitoring Bore	
Linnaeus Lab Number		2439		2440	
Time Sampled		0930		1030	
Dissolved Oxygen	g/m <sup>3</sup>	4.21	43.1%	0.81	83%
Temperature	°C	16.7		16.3	
Static Water Level	m	1.630		1.710	
METER	Conductivity	768 ✓		979 ✓	
	pH	7.1 ✓		7.0 ✓	
	Salinity	0.3 ✓		0.4 ✓	

## Analytica Analyses

PO: 912 <sup>rec'd 26.5.22</sup> Report No. 22-19671 ✓

3 x HC	TPH	TPHC7_W	✓	✓
UP100	Dissolved Cu, Pb, Zn	ICP_WS	✓	✓

## Field Summary (TAKE PHOTOS)

Weather: Fine Tidal Flow: ←

	GW02	New Monitoring Bore
Bore Conditions:	<u>Good</u>	<u>Good</u>
Surround Conditions:	<u>Good</u>	<u>Good</u>
Purging Results:	<u>5 Litres then Sampled</u>	<u>60L then Sampled</u>
Comments:	<u>Slow Recovery but OK</u>	<u>Non Stop flow</u>

Received By: SB Date: 25.5.22 Time: 11:33  
 Checked: MM 02.06.22 Authorised: \_\_\_\_\_ Certified: \_\_\_\_\_  
 Invoiced By: \_\_\_\_\_ Invoice No. \_\_\_\_\_ Date: \_\_\_\_\_

retest requested by Marie for Pb #2439. Emailed Analytica SB 3.6.22 10:59

