



ANALYTICAL SERVICES TASMANIA

18 St Johns Avenue, New Town, Tasmania, Australia, 7008
New Town Laboratory

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To: Aquatic Environment Hydro Tasmania Address GPO Box 355 HOBART TAS 7001 Fax No: 62454300 Phone: Mobile:	Date: 01-Aug-08 Pages: 6 (including this one) From: Amanda Freeman Fax No (03) 6230 7001 Phone: (03) 6230 7000
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Order No 40751

Please find enclosed report number 36334 : issue number 1.

The original was sent to:

Accounts Payable Hydro Tasmania, Hydro Tasmania, GPO Box 355 HOBART TAS 7001.

The invoice for this report will follow.

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Thank you.

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Laboratory Report

Report No: 36334

Issue No: 1

Report Date 01-Aug-2008 9:18

Status: Full Report

Site Description: Woods Low Lake Level

Received: 18-Jul-08

Submitted to: New Town Laboratory

Submitted By: Kevin Macfarlane (Inland Fisheries Service)

Client Order No: 40751

Report To: Marie Egerrup

Client: Hydro Tasmania

Address: Knopwood House Montpelier Retreat Hobart Tas 7001

The tests, calibrations or measurements covered by this document have been performed in accordance with NATA requirements which include the requirements of ISO/IEC 17025 and are traceable to national standards of measurement.

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Samples analysed as received.



ANALYTICAL SERVICES TASMANIA

Report No: 36334 **Issue No:** 1 **Report Date:** 01-Aug-2008 9:18

		Lab.No.:	131756
		Sample Id.:	Mid Lake
Method	Analyte	Units / Sampled On :	
1205-Water	Ammonia	mg-N/L	0.005
	Nitrate	mg-N/L	<0.002
	Nitrite	mg-N/L	<0.002
	Phosphorus, Dissolved Re	mg-P/L	0.003
1206-Water	Nitrogen, Total Kjeldahl	mg-N/L	0.33
	Phosphorus, Total	mg-P/L	0.016

ANALYTICAL SERVICES TASMANIA

Report No: 36334 **Issue No:** 1 **Report Date:** 01-Aug-2008 9:18

Lab. No. 131758	Analyte Algal Count	Method Used: Algal Count in Fresh Water by Optical Microscopy	Client Sample ID. Mid Lake
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Date/Time Sampled	Date/Time Received
Site	18-Jul-2008 00:00
Count Collection Method	Estimate Collection Method N/A
Date of Analysis	Preservative
	Lugols

<u>Species</u>	<u>Density</u>
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Group: Cyanobacteria (Blue-green)

Order: Chroococcales

Aphanothece sp.	0,P
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Group: Dinophyta (Dinoflagellates)

Order: Peridiniales

Peridinium sp.	0,P
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Group: Bacillariophyta (Diatoms)

Order: Aulacoseirales

Aulacoseira sp.	cells/mL	42
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Order: Bacillariales

Diatom species (unidentified)	cells/mL	20
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Order: Centrales

Cyclotella sp.	cells/mL	200
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Group: Chlorophyta (Green)

Order: Chlorococcales

Ankistrodesmus sp.	cells/mL	80
Botryococcus sp.		0,P
Oocystis sp.	cells/mL	620
Sphaerocystis sp.	cells/mL	80

Order: Volvocales

Pandorina sp.	0,P
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Order: Zygnematales

Spondylosium sp.	0,P	
Staurostrum sp.	cells/mL	16

Group: Cryptophyta

Order: Cryptomonadales

Chroomonas sp.	cells/mL	2500
Cryptomonas sp.	cells/mL	30

Group: Chrysophyta (Golden-Brown)

0,P = not detected in count, present in scan

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Report No: 36334 **Issue No:** 1 **Report Date:** 01-Aug-2008 9:18

Order: Ochromonadales

Mallomonas sp. cells/mL 130

0,P = not detected in count, present in scan

ANALYTICAL SERVICES TASMANIA

Report No: 36334 Issue No: 1 Report Date: 01-Aug-2008 9:18

Test Method(s) :

Test Date

Biological Testing

1612-Water: Algal Count in Fresh Water by Optical Microscopy 21-Jul-2008
Work Conducted at: New Town

Authorised By:



Stephanie Fulton
Section Head - Biological

Organic and Nutrient Testing

1205-Water: Dissolved Nutrients by APHA Method 4500 23-Jul-2008
Work Conducted at: New Town
1206-Water: Total Nutrients by APHA Method 4500 22-Jul-2008
Work Conducted at: New Town

Authorised By:



Mike Johnson
Manager



Accreditation No. 5589

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