

**REPORT**

Report no: 287367 Depth : N/A  
 Supercedes Report No: 285852 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 6/06/2023  
 Analyst: [REDACTED]

Lims No: L23042187

Date Sampled: 17/05/2023

Client ID: 233884

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : [REDACTED]  
 Commercial Client Representative  
 Issued On : 05/07/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	406175	Filter clogging?	771.73	0.183
<i>Dolichospermum</i>	555	Potentially toxic, taste & odour	50.72	0.089
<b>Subtotal</b>	406730		822.45	0.272
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	406700		822.50	0.272
<b>* Potentially Toxic Blue Green</b>	555		50.70	0.089

**Comment:**

Debris present in the sample.

\*Taxa with potential to produce toxins.

ASU : One ASU (Area Standard Unit) equals 400µm<sup>2</sup> of algal cells (as cross sectional area)

Biovolume : Biovolume is calculated from cell linear dimensions. Guidelines based on Biovolume.

Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece* ; *Cyanodictyon*

**Phycology**

**Sydney Water Approved Signatory:**

██████████, Supervisor

██████████, Analyst

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Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered.  
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**Accreditation No.:** 610 Biological testing  
Accredited for compliance with ISO/IEC 17025

**REPORT**

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 Date analysed: 6/06/2023  
 Analyst: [REDACTED]

Lims No: L23042188

Date Sampled: 17/05/2023

Client ID: 233885

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : [REDACTED]  
 Commercial Client Representative  
 Issued On : 05/07/2023

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**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	321057	Filter clogging?	610.00	0.144
<i>Merismopedia</i>	4425		4.42	0.037
<i>Pseudanabaena</i>	2212		17.69	0.022
<i>Raphidiopsis</i>	555	Potentially toxic	33.46	0.037
<i>Spirulina</i>	1106		16.59	0.004
<b>Subtotal</b>	329355		682.16	0.244

	Cells/ mL	ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	329400	682.20	0.244
* Potentially Toxic Blue Green	0	0.00	0.000

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Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*; *Cyanodictyon*

**Phycology**

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 Supercedes Report No: 285852 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 6/06/2023  
 Analyst: [REDACTED]

Lims No: L23042189 Date Sampled: 17/05/2023  
 Client ID: 233886 Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED] Disclaimer: Samples analysed as received.  
 Commercial Client Representative  
 Issued On : 05/07/2023

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	319011	Filter clogging?	606.12	0.144
<i>Pseudanabaena</i>	2528		20.22	0.025
<b>Subtotal</b>	321539		626.34	0.169
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	321500		626.30	0.169
* Potentially Toxic Blue Green	0		0.00	0.000

**Comment:**  
 Debris present in the sample.

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 Biovolume : Biovolume is calculated from cell linear dimensions. Guidelines based on Biovolume.  
 Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*  
 ; *Cyanodictyon*

**Phycology**

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**REPORT**

Report no: 287367 Depth : N/A  
 Supercedes Report No: 285852 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 7/06/2023  
 Analyst: [REDACTED]

Lims No: L23042190

Date Sampled: 17/05/2023

Client ID: 233887

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : [REDACTED]  
 Commercial Client Representative  
 Issued On : 05/07/2023

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**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Anabaenopsis</i>	295	Potentially toxic	20.35	0.034
<i>Cocoid Blue Green Picoplankton</i>	3346958	Filter clogging?	6,359.22	1.511
<i>Planktolyngbya</i>	6637	Filter clogging	66.37	0.530
<i>Spirulina</i>	2950		44.25	0.010
<b>Subtotal</b>	3356840		6,490.19	2.085
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	3357000		6490.00	2.090
<b>* Potentially Toxic Blue Green</b>	295		20.40	0.034

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Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece* ; *Cyanodictyon*

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 Supercedes Report No: 285852 Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 7/06/2023  
 Analyst: [REDACTED]

Lims No: L23042191 Date Sampled: 17/05/2023

Client ID: 233888 Address: [REDACTED]  
 Site:

Client: Department of Planning and Environment

Method: MA71CENT Issued By: [REDACTED]  
 Commercial Client Representative  
 Issued On : 05/07/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b>Cyanophyta (Blue green)</b>				
<i>Cocoid Blue Green Picoplankton</i>	1882429	Filter clogging?	3,576.61	0.849
<i>Merismopedia</i>	17698		17.69	0.149
<i>Microcystis</i>	1078	Potentially toxic, taste & odour	30.29	0.029
<i>Spirulina</i>	2212		33.18	0.008
<b>Subtotal</b>	1903417		3,657.77	1.035
	Cells/ mL		ASU/ mL	Biovolume mm3/L
<b>Total Blue Green</b>	1903000		3658.00	1.040
<b>* Potentially Toxic Blue Green</b>	1080		30.30	0.029

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Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece* ; *Cyanodictyon*

**Phycology**

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██████████, Supervisor

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Supercedes Report No:	285852	Chlorophyll a:	NA
		Microcystin equivalents:	NA
		Date analysed:	7/06/2023
Lims No: L23042192	Date Sampled: 17/05/2023	Analyst:	[REDACTED]

Client ID: 233889

Address: [REDACTED]

Site:

Client: Department of Planning and Environment

Method: MA71CENT

 Issued By : [REDACTED]  
 Commercial Client Representative  
 Issued On : 05/07/2023

**Disclaimer: Samples analysed as received.**
**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b><u>Cyanophyta (Blue green)</u></b>				
<i>Anabaenopsis</i>	921	Potentially toxic	63.54	0.109
<i>Anagnostidinema</i>	833		25.15	0.014
<i>Aphanizomenonaceae</i>	451	Potentially toxic, taste & odour	30.21	0.046
<i>Cocoid Blue Green Picoplankton</i>	1036674	Filter clogging?	1,969.68	0.468
<i>Cuspidothrix issatschenkoi</i>	833		42.48	0.045
<i>Planktolyngbya</i>	11061	Filter clogging	110.61	0.884
<i>Pseudanabaena</i>	12626		101.00	0.126
<i>Raphidiopsis raciborskii</i>	1110	Potentially toxic, taste & odour	41.95	0.032
<i>Sphaerospermopsis aphanizomenoides</i>	2914		87.42	0.109
<i>Spirulina</i>	1475		22.12	0.005
<b>Subtotal</b>	<b>1068898</b>		<b>2,494.16</b>	<b>1.838</b>

	Cells/ mL	ASU/ mL	Biovolum mm3/L
<b>Total Blue Green</b>	<b>1069000</b>	<b>2494.00</b>	<b>1.840</b>
<b>* Potentially Toxic Blue Green</b>	<b>2480</b>	<b>135.70</b>	<b>0.187</b>

**Comment:**
**Debris present in the sample.**

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 Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*; *Cyanodictyon*

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Report no: 287367      Depth : N/A  
 Supercedes Report No: 285852      Chlorophyll a: NA  
 Microcystin equivalents: NA  
 Date analysed: 6/06/2023  
 Analyst: ██████████

Lims No: L23042193      Date Sampled: 17/05/2023

Client ID: 233890

Address: ██████████

Site:

Client: Department of Planning and Environment

Method: MA71CENT

Issued By : ██████████  
 Commercial Client Representative  
 Issued On : 05/07/2023

**Disclaimer: Samples analysed as received.**

**TAXA**

	Cells/ mL	Significance	ASU/ mL	Biovolum mm3/L
<b><u>Cyanophyta (Blue green)</u></b>				
<i>Anabaenopsis</i>	1804	Potentially toxic	124.47	0.213
<i>Cocoid Blue Green Picoplankton</i>	974583	Filter clogging?	1,851.70	0.440
<i>Cuspidothrix issatschenkoi</i>	4100		209.10	0.222
<i>Dolichospermum affine</i>	3608		146.84	0.167
<i>Merismopedia</i>	26547		26.54	0.223
<i>Microcystis</i>	867	Potentially toxic, taste & odour	24.36	0.024
<i>Pseudanabaena</i>	248292		1,986.33	2.482
<i>Raphidiopsis</i>	1041	Potentially toxic	62.77	0.070
<i>Raphidiopsis raciborskii</i>	14118	Potentially toxic, taste & odour	533.66	0.414
<i>Snowella</i>	2914		36.13	0.023
<i>Sphaerospermopsis aphanizomenoides</i>	10150		304.50	0.382
<b>Subtotal</b>	1288024		5,306.40	4.660

	Cells/ mL	ASU/ mL	Biovolum mm3/L
<b>Total Blue Green</b>	1288000	5306.00	4.660
<b>* Potentially Toxic Blue Green</b>	16790	682.50	0.651

**Comment:**

**Debris present in the sample.**

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Cocoid Blue Green Picoplankton: *Aphanocapsa*; *Aphanothece*; *Cyanogranis*; *Cyanonephron*; *Cyanocatena*; *Gloeocapsa*; *Gloeothece*; *Cyanodictyon*

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