

## ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	7366805 22-11365
LOCALITY :	EM2203091-011
SITE :	Stony Well
SAMPLE :	Surface
DATE SAMPLED :	23/02/2022
DATE ANALYSED :	28/02/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Excessive algal levels are likely to impair water quality.

Sedgewick-Rafter Vol.(ml)	1.036	Toxigenic (T) or Potentially toxic (P)	- 200x	- 100x	Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
Concentration	1 : 1	*	20	500			
Magnification							
Fields							

### BACILLARIOPHYCEAE

<i>Nitzschia</i>		620	0	29923	400	11.96911
<i>Pennales</i>		2	0	97	300	0.02896
<i>Pennales (small &lt;20um)</i>		130	0	6274	251	1.57481

### CHLOROPHYCEAE

<i>Ankistrodesmoideae</i>		2220	0	107143	132	14.14286
<i>Chlorococcoids (&lt;10um)</i>		5740	0	277027	60	16.62162
<i>Oocystis</i>		2	0	97	300	0.02896

### CRYPTOPHYCEAE

<i>Cryptomonads</i>		5	0	241	320	0.07722
---------------------	--	---	---	-----	-----	---------

### CYANOPHYCEAE

<i>Synechococcales small (iauv &lt;20)</i>		40600	0	1959459	5.25	10.28716
--	--	-------	---	---------	------	----------

### DINOPHYCEAE

<i>Gymnodiniales</i>		3	0	145	2000	0.28958
<i>Gymnodiniales (small)</i>		4	0	193	500	0.09653

### OTHER PHYTOPLANKTON

<i>Other small flagellates</i>		4	0	193	80	0.01544
--------------------------------	--	---	---	-----	----	---------

TOTAL BGA	1959459	10.28716
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	2380792	55.13224

ANALYST: **Kirsten Mudie (signatory)**  
Biologist

REVIEWED: **Adam Deliyiannis (signatory)**  
Biologist

DATE: **28/02/2022**

## ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	7366805 22-11365
LOCALITY :	EM2203091-011
SITE :	Stony Well
SAMPLE :	Surface
DATE SAMPLED :	23/02/2022
DATE ANALYSED :	28/02/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Excessive algal levels are likely to impair water quality.

Sedgewick-Rafter Vol.(ml)	1.036	Toxigenic (T) or Potentially toxic (P)	- 200x	- 100x	Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
Concentration	1 : 1	*	20	500			
Magnification							
Fields							

+ The comments are discretionary and are for the purpose of helping to understand WQ implications. The comments are not accredited by NATA.

The biovolume values reported are those derived from documented information, including scientific literature. These are average values and not those measured on individual samples.

A Certificate of analysis will follow, linked by the above batch number. Independent algal reports are forwarded to clients expeditiously to facilitate operational decision making.

\* P's and T's denote those cyanobacteria/blue-green algae (BGA) associated with toxin production in Australian waters. Overseas studies have shown other cyanobacteria to produce toxins. All contain lipopolysaccharides (LPS) in their cell wall and many have been found to produce  $\beta$ -N-methylamino-L-alanine (BMAA) and its analogues. Therefore all cyanobacteria could be considered to pose a level of risk.