

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	239360 22-48116
LOCALITY :	EM2210355-009
SITE :	Salt Creek Outlet
SAMPLE :	Surface
DATE SAMPLED :	2/06/2022
DATE ANALYSED :	14/06/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current levels are likely to impact water quality.

Sedgewick-Rafter Vol.(ml)	1.0272	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>		34	0	1655	400	0.66199
<i>Pennales</i>		2	0	97	300	0.02921

CHLOROPHYCEAE

<i>Ankistrodesmoideae</i>		2	0	97	132	0.01285
<i>Chlorococcoids (<10um)</i>		1840	0	89564	60	5.37383

CHRYSTOPHYCEAE

<i>Other Chrysophyceae</i>		12	0	584	350	0.20444
----------------------------	--	----	---	-----	-----	---------

CRYPTOPHYCEAE

<i>Cryptomonads</i>		67	0	3261	320	1.04361
---------------------	--	----	---	------	-----	---------

CYANOPHYCEAE

<i>Planktolyngbya</i>		7	0	341	3.8	0.00129
<i>Pseudanabaena</i>		30	0	1460	12.5	0.01825
<i>Synechococcales small (iauv <20)</i>		9600	0	467290	5.25	2.45327

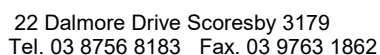
DINOPHYCEAE

<i>Gymnodiniales</i>		18	0	876	2000	1.75234
<i>Gymnodiniales (small)</i>		7	0	341	500	0.17037
<i>Peridinales</i>		18	0	876	5000	4.38084

TOTAL BGA	469091	2.47282
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	566442	16.10230

ANALYST: *Adam Deliyannis (signatory)* REVIEWED: *Louise Ungemach (signatory)*
Biologist Biologist

DATE: 14/06/2022



ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA	
LABORATORY NO./BATCH NO. :	239360	22-48116
LOCALITY :	EM2210355-009	
SITE :	Salt Creek Outlet	
SAMPLE :	Surface	
DATE SAMPLED :	2/06/2022	
DATE ANALYSED :	14/06/2022	
SAMPLED BY :	Sample analysed as received	

COMMENTS: + Current levels are likely to impact water quality.

Sedgewick-Rafter Vol.(ml)	1.0272	Toxicogenic (T) or Potentially toxic (P)			Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
Concentration	1 : 1		- 200x	- 100x			
Magnification		*	20	500			
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 β -N-methylamino-L-alanine (BMAA) and its analogues. Therefore all cyanobacteria could be considered to pose a level of risk.

ANALYST: *Adam Deliyiannis (signatory)*
Biologist

REVIEWED: ***Louise Ungemach*** (signatory)
Biologist

DATE: **14/06/2022**

METHOD NO.: MB010/MW024VCA

Page 2 of 2