

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	239353 22-48116
LOCALITY :	EM2210355-002
SITE :	Mark Point
SAMPLE :	Surface
DATE SAMPLED :	1/06/2022
DATE ANALYSED :	12/06/2022
SAMPLED BY :	Sample analysed as received

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

Sedgewick-Rafter Vol.(ml)	1.0272	Toxicogenic (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

Naviculales		1	0	49	1400	0.06815
Pennales		1	0	49	300	0.01460

CHLOROPHYCEAE

Ankistrodesmoideae		17	0	827	132	0.10923
Chlamydomonads		1	0	49	250	0.01217
Chlorococcoids (<10um)		12	0	584	60	0.03505
Closteriopsis		0	1	2	1500	0.00292
Crucigenia		16	0	779	30	0.02336
Monoraphidium (small)		3	0	146	16	0.00234
Monoraphidium (large)		1	0	49	400	0.01947
Planctonema		13	0	633	800	0.50623
Scenedesmus		8	0	389	250	0.09735
Staurostrum		0	1	2	2000	0.00389

CYANOPHYCEAE

Planktolyngbya		50	0	2434	3.8	0.00925
Pseudanabaena		29	0	1412	12.5	0.01765
Romeria		3	0	146	31	0.00453

DINOPHYCEAE

Peridinales		0	1	2	5000	0.00974
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TOTAL BGA	3992	0.03142
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	7552	0.93592

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

DATE: 14/06/2022

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+ 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.

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