

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	239359 22-48116
LOCALITY :	EM2210355-008
SITE :	Snipe Point
SAMPLE :	Surface
DATE SAMPLED :	2/06/2022
DATE ANALYSED :	12/06/2022
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							

BACILLARIOPHYCEAE

Centrales		1	0	49	200	0.00974
Naviculales		1	0	49	1400	0.06815
Nitzschia		52	0	2531	400	1.01246
Pennales		1	0	49	300	0.01460

CHLOROPHYCEAE

Ankistrodesmoideae		61	0	2969	132	0.39194
Chlorococcoids (<10um)		488	0	23754	60	1.42523

CRYPTOPHYCEAE

Cryptomonads		6	0	292	320	0.09346
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CYANOPHYCEAE

Pseudanabaena		0	25	49	12.5	0.00061
Synechococcales small (iauv <20)		3760	0	183022	5.25	0.96086

DINOPHYCEAE

Gymnodiniales		3	0	146	2000	0.29206
Gymnodiniales (small)		1	0	49	500	0.02434
Peridinales		0	2	4	5000	0.01947

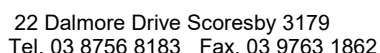
OTHER PHYTOPLANKTON

Other small flagellates		66	0	3213	80	0.25701
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TOTAL BGA	183071	0.96147
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	216176	4.56992

ANALYST: Adam Deliyiannis (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.

ANALYST: *Adam Deliyiannis (signatory)*
Biologist

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

DATE: **14/06/2022**

METHOD NO.: MB010/MW024VCA

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