

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	6933868 21-15798
LOCALITY :	EM2104707_005
SITE :	Morella Basin @ Outlet
SAMPLE :	Surface
DATE SAMPLED :	17/03/2021
DATE ANALYSED :	22/03/2021
SAMPLED BY :	Sample analysed as received

COMMENTS: + A range of algae were present with current levels unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml)	1.0722	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

Centrales	1	0	47	200	0.00933
Entomoneis	1	0	47	1000	0.04663
Naviculales	3	0	140	1400	0.19586
Nitzschia	1	0	47	400	0.01865
Pennales	3	0	140	300	0.04197

CHLOROPHYCEAE

Chlamydomonads	2	0	93	250	0.02332
Chlorococcoids (<10um)	19	0	886	60	0.05316
Oocystis	9	0	420	300	0.12591

CRYPTOPHYCEAE

Cryptomonads	3	0	140	320	0.04477
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CYANOPHYCEAE

Planktolyngbya	9	0	420	3.8	0.00159
Synechococcales small (iauv <20)	18	0	839	5.25	0.00441

DINOPHYCEAE

Dinoflagellates	8	0	373	20000	7.46129
Gymnodiniales	1	0	47	2000	0.09327
Gymnodiniales (small)	3	0	140	500	0.06995

EUGLENOPHYCEAE

Euglena	0	1	2	7000	0.01306
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TOTAL BGA	1259	0.00600
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	3781	8.20317

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

REVIEWED: **Adam Deliyannis**
Biologist

DATE: **23/03/2021**

METHOD NO.: MB010/MW024VCA

Page 1 of 2

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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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Page 2 of 2