

22 Dalmore Drive Scoresby 3179 Tel. 03 8756 8183 Fax. 03 9763 1862





ALGAL REPORT

CLIENT:	Australian Laboratory Services Pty Ltd SA					
LABORATORY NO./BATCH NO.:	187807 22-45580					
LOCALITY:	EM2209350-003					
SITE:	Bonneys					
SAMPLE:	Surface					
DATE SAMPLED :	18/05/2022					
DATE ANALYSED :	24/05/2022					
SAMPLED BY:	Sample analysed as received					

COMMENTS: + A diverse community of algal taxa were observed. Current levels are unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml) Concentration Magnification Fields	1.0272 1 : 1	Toxigenic (T) or Potentially toxic (P)	- 200x 20	- 100x 500	Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
BACILLARIOPHYCEAE							
Centrales			1	0	49	200	0.00974
Entomoneis			1	0	49	1000	0.04868
Gyrosigma			0	6	12	1400	0.01636
Naviculales			4	0	195	1400	0.27259
Pennales			8	0	389	300	0.11682
Pennales (small <20um)			3	0	146	251	0.03665
Pleurosigma			0	2	4	2000	0.00779
CHLOROPHYCEAE							
Ankistrodesmoideae			29	0	1412	132	0.18633
Chlorococcoids (<10um)			25	0	1217	60	0.07301
Crucigenia			12	0	584	30	0.01752
Monoraphidium (small)			3	0	146	16	0.00234
CRYPTOPHYCEAE				'			
Cryptomonads			1	0	49	320	0.01558
CYANOPHYCEAE				'			
Synechococcales small (iauv <20)			29	0	1412	5.25	0.00741
OTHER PHYTOPLANKTON							
Other small flagellates			4	0	195	80	0.01558
Prasinophytes			1	0	49	100	0.00487
TOTAL BGA		1412				0.00741	
TOTAL TOXIGENIC BGA		0				0.00000	
TOTAL POTENTIALLY TOXIC BGA		0				0.00000	
TOTAL ALGAE		5908				0.83125	

ANALYST: Adam Deliyiannis (signatory) REVIEWED: Kirsten Mudie (signatory) DATE: 24/05/2022
Biologist Biologist

METHOD NO.: MB010/MW024VCA Page 1 of 2



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Fields		^	20	500	,	()	` ,

⁺ 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.

ANALYST: Adam Deliyiannis (signatory) REVIEWED: Kirsten Mudie (signatory) DATE: 24/05/2022
Biologist Biologist

METHOD NO.: MB010/MW024VCA Page 2 of 2

^{*} 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.