

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





ALGAL REPORT

CLIENT:	Australian Laborato	Australian Laboratory Services Pty Ltd SA		
LABORATORY NO./BATCH NO. :	7217248	21-52414		
LOCALITY:	EM2121437-013			
SITE:	Salt Creek Outlet			
SAMPLE:	Surface			
DATE SAMPLED :	26/10/2021			
DATE ANALYSED :	9/11/2021			
SAMPLED BY:	Sample analysed as received			

COMMENTS: + A moderately diverse algal community was observed with excessive levels of small BGA likely to impair 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
Nitzschia			1	0	49	400	0.01947
Pennales (small <20um)			20	0	974	251	0.24435
CHLOROPHYCEAE							
Ankistrodesmoideae			460	0	22391	132	2.95561
Chlamydomonads			1	0	49	250	0.01217
Chlorococcoids (<10um)			820	0	39914	60	2.39486
Oocystis			2	0	97	300	0.02921
CYANOPHYCEAE							
Synechococcales small (iauv <20)			25600	0	1246106	5.25	6.54206
DINOPHYCEAE							
Dinoflagellates			0	4	8	20000	0.15576
OTHER PHYTOPLANKTON							
Other small flagellates			150	0	7301	80	0.58411
TOTAL BGA				1246106		6.54206	
TOTAL TOXIGENIC BGA				0		0.00000	
TOTAL POTENTIALLY TOXIC BGA		0				0.00000	
	TOTAL	ALGAE			1316938		12.94733

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TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	1316938	12.94733

⁺ 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

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: Kirsten Mudie (signatory) REVIEWED: Adam Deliyiannis DATE: 10/11/2021 **Biologist Biologist**

Page 1 of 1 METHOD NO.: MB010/MW024VCA

^{*} 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.