

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	7281145 21-59669
LOCALITY :	EM2125413-004
SITE :	Long Point
SAMPLE :	Surface
DATE SAMPLED :	13/12/2021
DATE ANALYSED :	20/12/2021
SAMPLED BY :	Sample analysed as received

COMMENTS: + Low levels of algae are unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml)	1.0046	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		0	1	2	1400	0.00279
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CHLOROPHYCEAE

Chlorococcoids (<10um)		4	0	199	60	0.01195
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CRYPTOPHYCEAE

Cryptomonads		3	0	149	320	0.04778
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CYANOPHYCEAE

Synechococcales small (iauv <20)		2	0	100	5.25	0.00052
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OTHER PHYTOPLANKTON

Other small flagellates		1	0	50	80	0.00398
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Prasinophytes		10	0	498	100	0.04977
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TOTAL BGA	100	0.00052
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	998	0.11679

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

REVIEWED: **Adam Deliyannis (signatory)**
Biologist

DATE: **22/12/2021**

METHOD NO.: MB010/MW024VCA

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