ALS Water
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. :	239360 22-48116
LOCALITY :	EM2210355-009
SITE :	Salt Creek Outlet
SAMPLE :	Surface
DATE SAMPLED :	2/06/2022
DATE ANALYSED :	14/06/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + Current levels are likely to impact water quality.

Sedgewick-Rafter Vol.(ml) 1.0272 **Concentration** 1 : 1 **Magnification** **Fields**	**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						
Nitzschia		34	0	1655	400	0.66199
Pennales		2	0	97	300	0.02921
CHLOROPHYCEAE						
Ankistrodesmoideae		2	0	97	132	0.01285
Chlorococcoids (<10um)		1840	0	89564	60	5.37383
CHRYSOPHYCEAE						
Other Chrysophyceae		12	0	584	350	0.20444
CRYPTOPHYCEAE						
Cryptomonads		67	0	3261	320	1.04361
CYANOPHYCEAE						
Planktolyngbya		7	0	341	3.8	0.00129
Pseudanabaena		30	0	1460	12.5	0.01825
Synechococcales small (iauv <20)		9600	0	467290	5.25	2.45327
DINOPHYCEAE						
Gymnodiniales		18	0	876	2000	1.75234
Gymnodiniales (small)		7	0	341	500	0.17037
Peridiniales		18	0	876	5000	4.38084

TOTAL BGA	**469091**	**2.47282**
TOTAL TOXIGENIC BGA	**0**	**0.00000**
TOTAL POTENTIALLY TOXIC BGA	**0**	**0.00000**
TOTAL ALGAE	**566442**	**16.10230**

ANALYST: *Adam Deliyiannis (signatory)* REVIEWED: *Louise Ungemach (signatory)* DATE: **14/06/2022**
Biologist **Biologist**

METHOD NO.: MB010/MW024VCA

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Concentration	1 : 1						
Magnification			- 200x	- 100x			
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.

**** 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)* REVIEWED: *Louise Ungemach (signatory)* DATE: **14/06/2022**

Biologist **Biologist**

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