

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





ALGAL REPORT

CLIENT:	Australian Laborator	Australian Laboratory Services Pty Ltd SA		
LABORATORY NO./BATCH NO.:	6873983	21-07778		
LOCALITY:	EM2101680_001			
SITE:	Murray Mouth			
SAMPLE:	Surface			
DATE SAMPLED :	3/02/2021			
DATE ANALYSED :	8/02/2021			
SAMPLED BY:	Sample analysed as	received		

COMMENTS: + Current algal levels are unlikely to influence water quality.

BACILLARIOPHYCEAE Centrales - (5-10um)						
Centrales - (5-10um)						
Communico (C roam)		3	0	150	80	0.01198
Naviculales		1	0	50	1400	0.06987
Rhizosolenia		0	4	8	500	0.00399
CHLOROPHYCEAE						
Chlorococcoids (<10um)		25	0	1248	60	0.07487
Crucigenia		4	0	200	30	0.00599
Lagerheimia		3	0	150	500	0.07487
Oocystis		4	0	200	300	0.05989
Planctonema		4	0	200	800	0.15971
Scenedesmus		0	4	8	250	0.00200
Staurastrum		1	0	50	2000	0.09982
СКҮРТОРНҮСЕАЕ						
Cryptomonads		1	0	50	320	0.01597
CYANOPHYCEAE						
Limnolyngbya (Planktolyngbya circumcreta)		4	0	200	4.9	0.00098
Planktolyngbya		14	0	699	3.8	0.00266
Synechococcales small (iauv <20)		14	0	699	5.25	0.00367
Trichodesmium		0	31	62	84	0.00520
DINOPHYCEAE						
Gymnodiniales (small)		1	0	50	500	0.02496
EUGLENOPHYCEAE						
Euglena		4	0	200	7000	1.39748

ANALYST: Kirsten Mudie (signatory) Biologist

 ${\sf REVIEWED:} \textbf{\textit{Adam Deliyiannis}}$ Biologist

METHOD NO.: MB010/MW024VCA

DATE: 09/02/2021



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Magnification	Toxigenic (T) or Potentially toxic (P)	- 200x	- 100x	Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
Fields		20	500	, ,	()	, ,

TOTAL BGA	1660	0.01250
TOTAL TOXIGENIC BGA	0	0.00000
TOTAL POTENTIALLY TOXIC BGA	0	0.00000
TOTAL ALGAE	4224	2.01390

⁺ 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: Kirsten Mudie (signatory) REVIEWED: Adam Deliyiannis DATE: 09/02/2021
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.