

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





ALGAL REPORT

CLIENT:	ALS
LABORATORY NO./BATCH NO.:	6622169 20-32670
LOCALITY:	EM2011705_001
SITE:	Murray Mouth
SAMPLE:	Surface
DATE SAMPLED :	7/07/2020
DATE ANALYSED :	9/07/2020
SAMPLED BY:	Sample analysed as received

COMMENTS: + A moderately diverse algal community was observed with no particular taxa dominating the sample. Water quality is unlikely to be impaired.

Sedgewick-Rafter Vol.(ml) Concentration Magnification Fields	1.0169 1 : 1	Toxigenic (T) or Potentially toxic (P)	- 200x 20	- 100x 500	Total Cell Count (cells/mL)
BACILLARIOPHYCEAE					
Asterionellopsis			0	305	600
Chaetoceros			0	1	2

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Chaetoceros		0	1	2		
Pennales		0	5	10		
Tryblionella		0	3	6		
CHLOROPHYCEAE						
Chlamydomonads		8	0	393		
Chlorococcoids		8	0	393		
Selenastrum		1	0	49		
CRYPTOPHYCEAE						
Cryptomonads		1	0	49		
CYANOPHYCEAE						
Leptolyngbya		0	7	14		
Planktolyngbya		13	0	639		
Synechococcales small (iauv <20)		0	42	83		
DINOPHYCEAE						
Gymnodiniales (small)		0	2	4		
Prorocentrum		0	1	2		
EUGLENOPHYCEAE	EUGLENOPHYCEAE					
Euglena		0	1	2		
TOTAL BGA				736		
TOTAL TOXIGENIC BGA				0		
TOTAL POTENTIALLY TOXIC BGA				0		
TOTAL ALGAE				2246		

ANALYST: Kirsten Mudie (signatory) REVIEWED: Adam Deliyiannis DATE: 13/07/2020
Biologist Biologist

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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.

ANALYST: Kirsten Mudie (signatory) REVIEWED: Adam Deliyiannis DATE: 13/07/2020

Biologist Biologist

METHOD NO.: MB010 Page 2 of 2

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.