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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6622172 20-32670
LOCALITY :	EM2011705_004
SITE :	Mark Point
SAMPLE :	Surface
DATE SAMPLED :	7/07/2020
DATE ANALYSED :	10/07/2020
SAMPLED BY :	Sample analysed as received

COMMENTS: + A diverse algal community was observed with current levels unlikely to impair water quality.

Sedgewick-Rafter Vol.(ml)	1.0168	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**
Concentration	1 : 1				
Magnification			- 200x	- 100x	
Fields		*	20	500	
BACILLARIOPHYCEAE					
Centrales			0	1	2
Chaetoceros			3	0	148
Navicula			0	1	2
Pennales (small <20um)			1	0	49
CHLOROPHYCEAE					
Chlamydomonads			30	0	1475
Chlorococcoids			24	0	1180
Closterium			0	1	2
Staurastrum			0	1	2
CRYPTOPHYCEAE					
Cryptomonads			184	0	9048
CYANOPHYCEAE					
Leptolyngbya			0	1675	3295
Planktolyngbya			5	0	246
Synechococcales small (iauv <20)			6	0	295
DINOPHYCEAE					
Gymnodiniales			0	1	2
Gymnodiniales (small)			2	0	98
EUGLENOPHYCEAE					
Eutreptia			1	0	49
OTHER PHYTOPLANKTON					
Prasinophytes			1	0	49

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

Biologist **Biologist**

METHOD NO.: MB010

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TOTAL BGA	**3836**
TOTAL TOXIGENIC BGA	**0**
TOTAL POTENTIALLY TOXIC BGA	**0**
TOTAL ALGAE	**15942**

+ The comments are discretionary and are for the purpose of helping to understand WQ implications.The comments are not accredited by NATA.

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)*** REVIEWED: ***Adam Deliyiannis*** DATE: **13/07/2020**

Biologist **Biologist**

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