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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6622173 20-32670
LOCALITY :	EM2011705_005
SITE :	Long Point
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)	1.0274				
Concentration	1 : 1				
Magnification		**Toxigenic (T) or Potentially toxic (P)**	- 200x	- 100x	**Total Cell Count (cells/mL)**
Fields		*	20	500	
BACILLARIOPHYCEAE					
Centrales			1	0	49
Chaetoceros			1	0	49
Nitzschia			1	0	49
Pennales (small <20um)			3	0	146
CHLOROPHYCEAE					
Chlamydomonads			9	0	438
Chlorococcoids			10	0	487
Filamentous Green			3	0	146
Selenastrum			2	0	97
CRYPTOPHYCEAE					
Cryptomonads			39	0	1898
CYANOPHYCEAE					
Oscillatoriales (iauv 1-100)		P	0	99	193
Planktolyngbya			4	0	195
Synechococcales small (iauv <20)			7	0	341
DINOPHYCEAE					
Gymnodiniales (small)			1	0	49
EUGLENOPHYCEAE					
Eutreptia			5	0	243
			TOTAL BGA		**729**
			TOTAL TOXIGENIC BGA		**0**
			TOTAL POTENTIALLY TOXIC BGA		**193**
			TOTAL ALGAE		**4380**

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

Biologist **Biologist**

METHOD NO.: MB010

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+ 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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