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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6643344 20-35580
LOCALITY :	EM2012826_018
SITE :	Parnka Point
SAMPLE :	Surface
DATE SAMPLED :	22/07/2020
DATE ANALYSED :	27/07/2020
SAMPLED BY :	Sample analysed as received

COMMENTS: + A diverse algal community was observed with small BGA and greens present in excessive levels. Water quality is likely 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					
Amphora			1	0	49
Centrales			1	0	49
Chaetoceros			8	0	389
Navicula			1	0	49
Pennales			2	0	97
Pennales (small <20um)			3	0	146
CHLOROPHYCEAE					
Chlamydomonads			16	0	779
Chlorococcoids			1020	0	49640
Monoraphidium			70	0	3407
CHRYSOPHYCEAE					
Other Chrysophyceae			1	0	49
CRYPTOPHYCEAE					
Cryptomonads			49	0	2385
CYANOPHYCEAE					
Synechococcales small (iauv <20)			6720	0	327039
DINOPHYCEAE					
Gymnodiniales			2	0	97
Peridiniales			1	0	49
OTHER PHYTOPLANKTON					
Prasinophytes			3	0	146

TOTAL BGA	**327039**
TOTAL TOXIGENIC BGA	**0**
TOTAL POTENTIALLY TOXIC BGA	**0**
TOTAL ALGAE	**384370**

ANALYST: ***Kirsten Mudie (signatory)*** REVIEWED: ***Adam Deliyiannis*** DATE: **28/07/2020**

Biologist **Biologist**

METHOD NO.: MB010

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Concentration	1 : 1				
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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: **28/07/2020**

Biologist **Biologist**

METHOD NO.: MB010