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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6622177 20-32670
LOCALITY :	EM2011705_009
SITE :	Parnka Point
SAMPLE :	Surface
DATE SAMPLED :	7/07/2020
DATE ANALYSED :	13/07/2020
SAMPLED BY :	Sample analysed as received

COMMENTS: + A diverse algal community was observed with small BGA and greens dominating the sample. Water quality will be impaired and this water may pose a health concern e.g. skin/gastric irritations.

Sedgewick-Rafter Vol.(ml)	1.0208	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**
Concentration	1 : 1				
Magnification			- 200x	- 100x	
Fields		*	20	500	
BACILLARIOPHYCEAE					
Amphora			0	1	2
Centrales			0	1	2
Chaetoceros			0	50	98
Entomoneis			1	0	49
Nitzschia			5	0	245
Pennales			0	3	6
Pennales (small <20um)			3	0	147
CHLOROPHYCEAE					
Chlamydomonads			690	0	33797
Chlorococcoids			3920	0	192006
Monoraphidium			490	0	24001
CHRYSOPHYCEAE					
Other Chrysophyceae			1	0	49
CRYPTOPHYCEAE					
Cryptomonads			9	0	441
CYANOPHYCEAE					
Planktolyngbya			288	0	14107
Synechococcales small (iauv <20)			11920	0	583856
DINOPHYCEAE					
Gymnodiniales			4	0	196
Gymnodiniales (small)			13	0	637
Peridiniales			3	0	147
OTHER PHYTOPLANKTON					
Prasinophytes			10	0	490

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

Biologist **Biologist**

METHOD NO.: MB010

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TOTAL BGA	**597963**
TOTAL TOXIGENIC BGA	**0**
TOTAL POTENTIALLY TOXIC BGA	**0**
TOTAL ALGAE	**850276**

+ 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**

METHOD NO.: MB010