ALS Water

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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6622179 20-32670
LOCALITY :	EM2011705_011
SITE :	Stony Well
SAMPLE :	Surface
DATE SAMPLED :	7/07/2020
DATE ANALYSED :	13/07/2020
SAMPLED BY :	Sample analysed as received

COMMENTS: + A moderately 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)	1.0145	**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
Nitzschia			13	0	641
Pennales			0	1	2
Pennales (small <20um)			1	0	49
CHLOROPHYCEAE					
Chlamydomonads			420	0	20700
Chlorococcoids			4460	0	219813
Monoraphidium			230	0	11336
CHRYSOPHYCEAE					
Other Chrysophyceae			4	0	197
CRYPTOPHYCEAE					
Cryptomonads			4	0	197
CYANOPHYCEAE					
Planktolyngbya			224	0	11040
Synechococcales small (iauv <20)			11700	0	576639
DINOPHYCEAE					
Gymnodiniales			2	0	99
Gymnodiniales (small)			8	0	394
Peridiniales			2	0	99
OTHER PHYTOPLANKTON					
Prasinophytes			4	0	197
				TOTAL BGA	**587679**
				TOTAL TOXIGENIC BGA	**0**
				TOTAL POTENTIALLY TOXIC BGA	**0**
				TOTAL ALGAE	**841405**

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**

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