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

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	6906826 21-12031
LOCALITY :	EM2103110_015
SITE :	Long Point
SAMPLE :	Surface
DATE SAMPLED :	25/02/2021
DATE ANALYSED :	1/03/2021
SAMPLED BY :	Sample analysed as received

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

Sedgewick-Rafter Vol.(ml)	1.0218	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**
Concentration	1 : 1				
Magnification			- 200x	- 100x	
Fields		*	20	500	
BACILLARIOPHYCEAE					
Centrales - (5-10um)			140	0	6851
Chaetoceros			0	92	180
Nitzschia			1	0	49
Pennales			1	0	49
Rhizosolenia			0	10	20
CHLOROPHYCEAE					
Chlorococcoids (<10um)			11	0	538
Oocystis			1	0	49
CRYPTOPHYCEAE					
Cryptomonads			8	0	391
DINOPHYCEAE					
Gymnodiniales (small)			1	0	49
Prorocentrum			0	2	4
OTHER PHYTOPLANKTON					
Prasinophytes			4	0	196
				TOTAL BGA	**0**
				TOTAL TOXIGENIC BGA	**0**
				TOTAL POTENTIALLY TOXIC BGA	**0**
				TOTAL ALGAE	**8376**

+ 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: **02/03/2021**

Biologist **Biologist**

METHOD NO.: MB010