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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6643341 20-35580
LOCALITY :	EM2012826_015
SITE :	Noonameena
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 current algal levels unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml)	1.0291	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**
Concentration	1 : 1				
Magnification			- 200x	- 100x	
Fields		*	20	500	
BACILLARIOPHYCEAE					
Chaetoceros			0	4	8
Pennales			1	0	49
CHLOROPHYCEAE					
Chlamydomonads			200	0	9717
Chlorococcoids			43	0	2089
Filamentous Green			0	10	19
Monoraphidium			2	0	97
Oocystis			2	0	97
Selenastrum			2	0	97
CRYPTOPHYCEAE					
Cryptomonads			72	0	3498
CYANOPHYCEAE					
Limnolyngbya (Planktolyngbya circumcreta)			12	0	583
Planktolyngbya			6	0	292
Synechococcales small (iauv <20)			57	0	2769
DINOPHYCEAE					
Gymnodiniales			1	0	49
Gymnodiniales (small)			1	0	49
OTHER PHYTOPLANKTON					
Prasinophytes			17	0	826

TOTAL BGA	**3644**
TOTAL TOXIGENIC BGA	**0**
TOTAL POTENTIALLY TOXIC BGA	**0**
TOTAL ALGAE	**20239**

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

Biologist **Biologist**

METHOD NO.: MB010

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

ALGAL REPORT

CLIENT :	ALS
LABORATORY NO./BATCH NO. :	6643341 20-35580
LOCALITY :	EM2012826_015
SITE :	Noonameena
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 current algal levels unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml)	1.0291	**Toxigenic (T) or Potentially toxic (P)**			**Total Cell Count (cells/mL)**
Concentration	1 : 1				
Magnification			- 200x	- 100x	
Fields		*	20	500	

+ 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