

ALGAL REPORT

CLIENT :	Australian Laboratory Services Pty Ltd SA
LABORATORY NO./BATCH NO. :	187810 22-45580
LOCALITY :	EM2209350-006
SITE :	Mark Point
SAMPLE :	Surface
DATE SAMPLED :	18/05/2022
DATE ANALYSED :	24/05/2022
SAMPLED BY :	Sample analysed as received

COMMENTS: + A diverse community of algal taxa were observed. Current levels are unlikely to influence water quality.

Sedgewick-Rafter Vol.(ml)	1.0169	Toxicogenic (T) or Potentially toxic (P)			Total Cell Count (cells/mL)	Individual Algal Unit Volume (um3)	Total Biovolume (mm3/L)
Concentration	1 : 1	*	- 200x	- 100x			
Magnification			20	500			
Fields							

BACILLARIOPHYCEAE

Centrales		3	0	148	200	0.02950
Centrales - (5-10um)		1	0	49	80	0.00393
Pennales (small <20um)		1	0	49	251	0.01234

CHLOROPHYCEAE

Ankistrodesmoideae		3	0	148	132	0.01947
Chlorococcoids (<10um)		28	0	1377	60	0.08260
Crucigenia		12	0	590	30	0.01770
Dictyosphaerium		24	0	1180	20	0.02360
Elakatothrix		2	0	98	45	0.00443
Lagerheimia		1	0	49	500	0.02458
Monoraphidium (small)		36	0	1770	16	0.02832
Monoraphidium (large)		2	0	98	400	0.03934
Oocystis		11	0	541	300	0.16226
Planctonema		35	0	1721	800	1.37673
Scenedesmus		4	0	197	250	0.04917
Staurostrum		0	1	2	2000	0.00393
Tetraedron		1	0	49	150	0.00738

CRYPTOPHYCEAE

Cryptomonads		15	0	738	320	0.23601
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CYANOPHYCEAE

Planktolyngbya		75	0	3688	3.8	0.01401
Pseudanabaena		30	0	1475	12.5	0.01844
Romeria		39	0	1918	31	0.05945

OTHER PHYTOPLANKTON

Other small flagellates		5	0	246	80	0.01967
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ANALYST: *Adam Deliyannis (signatory)* REVIEWED: *Louise Ungemach (signatory)*
Biologist Biologist

DATE: **25/05/2022**

