

Summary table of field observations and cyanobacterial analysis.

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 10/01/2022

Job Name:

Client: NATIONAL CAPITAL AUTHORITY

Site	Lotus Bay	Ferry Terminal	East Basin	Yarralumla Beach	Black Mountain Beach	Weston Park East	Weston Park West	Captain Cook Memorial	Yarralumla Bay	Acton West	Nerang Pool
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539	LBG540
Sample Date/Time	10/01/2022 10:30	10/01/2022 8:45	10/01/2022 7:55	10/01/2022 10:18	10/01/2022 9:11	10/01/2022 9:53	10/01/2022 9:38	10/01/2022 8:10	10/01/2022 10:07	10/01/2022 8:56	10/01/2022 8:27
Enterococci – Confirmed (MPN/100mL)	60	24	200	42	38	16	28	80	75	43	370
Weather conditions	Cloudy	Overcast	Overcast	Cloudy	Cloudy	Cloudy	Cloudy	Overcast	Cloudy	Overcast	Overcast
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Breezy	Calm	Calm	Calm
Wind direction	NE	E	NA	S	E	SE	SE	SE	W	E	NA
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	26.2	24.2	21.8	26.7	25.6	26	25.3	23.2	25.4	24.1	22.8
Turbidity (actual - NTU)	12.2	9.9	20.9	9.6	8.7	8.4	7.6	9.1	10.7	8.8	8.3
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Floating green specks	Sparse	Sparse	Absent	Sparse	Healthy	Sparse	Sparse	Sparse	Sparse	Sparse	Absent
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	1-10	1-10	0	0	0	0	0	0	1-10
Birds around site	0	0	1-10	10+	0	0	0	0	0	0	1-10
Froth at shoreline	Nil	Nil	Nil	Scant	Nil	Scant	Nil	Nil	Nil	Scant	Nil
Floating debris	Absent	Present	Absent	Absent	Absent	Absent	Absent	Present	Present	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Total blue-green algae concentration	671	1277	855	402	329	1402	854	409	614	460	607
Biovolume mm ³ /L	0.0028	0.051	0.0083	0.0018	0.036	0.26	0.0457	0.0081	0.0142	0.0051	0.0159

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 10/01/2022

Job Name: 0

Client: NATIONAL CAPITAL AUTHORITY

Site	Lotus Bay	Ferry Terminal	East Basin	Yarralumla Beach	Black Mountain Beach	Weston Park East	Weston Park West	Captain Cook Memorial	Yarralumla Bay	Acton West	Nerang Pool
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539	LBG539
High - risk Cyanophyta (cells/mL)	0	526	51	0	190	1,037	489	73	153	44	117
<i>Microcystis aeruginosa</i>		526	51		73		489	73	153	44	117
<i>Dolichospermum Circinale</i>					117	1037					
Potential-risk Cyanophyta (cells/mL)	117	394	73	44	29	0	153	146	0	44	234
<i>Pseudanabaena mucicola</i>	117	394	73	44	29		58	58		44	
<i>Pseudanabaena limnetica</i>								88			
<i>Geitlerinema amphibium</i>							95				234
Low-risk Cyanophyta (cells/mL)	554	357	731	358	110	365	212	190	461	372	256
<i>Aphanothece spp</i>	248	153	66	73	37	58	95	44	139	168	95
<i>Aphanocapsa spp</i>	204	146	117	80	58	110	117	146	256	175	146
<i>Chroococcus spp</i>	102	58		44	15					29	15
<i>Cyanocatena spp</i>			548	161		197			66		