

Summary table of field observations and cyanobacterial analysis.

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONTORING)

Sample Date: 14/03/2023

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
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
Sample Date/Time	14/03/2023 10:30	14/03/2023 8:46	14/03/2023 8:12	14/03/2023 10:24	14/03/2023 9:23	14/03/2023 10:06	14/03/2023 9:55	14/03/2023 8:37	14/03/2023 10:16	14/03/2023 9:03
Enterococci – Confirmed (MPN/100mL)	9100	6	31	8	10	13	19	10	10	38
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	NA	NA	NA	NA	NA	NA	NA	SE	NA	SE
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	21.7	21.2	19.9	21.6	20.8	21.2	21.3	21.2	21.4	20.6
Turbidity (actual - NTU)	11.8	10	10.6	10.5	9.4	9.2	8	30.5	11.6	11.2
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Sparse	Sparse	Absent	Absent	Sparse	Absent	Healthy	Absent	Healthy	Sparse
Floating green specks	Sparse	Dense	Dense	Sparse	Sparse	Sparse	Sparse	Dense	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	0	0	0	1-10	0	0	1-10
Birds around site	0	10+	10+	1-10	0	0	1-10	0	0	0
Froth at shoreline	Scant	Nil	Scant	Scant	Nil	Scant	Scant	Nil	Nil	Nil
Floating debris	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Total blue-green algae concentration (cells/mL)	2249	6374	1313	2059	1920	3350	1014	1934032	2015	2241
Biovolume mm ³ /L	0.153	0.657	0.202	0.24	0.344	0.381	0.165	174	0.184	0.174

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High - risk Cyanophyta (cells/mL)	635	5,110	927	1,913	1,467	2,664	737	1,924,066	1,336	781
<i>Microcystis cf aeruginosa</i> (PTP)	73	3840	190	1460	146	1759	124	1901313	934	153
<i>Dolichospermum circinale</i> (PTP)	562	1270	737	453	1321	905	613	22753	402	628
Potential-risk Cyanophyta (cells/mL)	0	263	0	0	0	73	0	9,966	0	0
<i>Pseudanabaena limnetica</i>	0	263	0	0	0	73	0	0	0	0
<i>Anabaena arnoldii</i>								9966		
Low-risk Cyanophyta (cells/mL)	1,614	1,001	386	146	453	613	277	0	679	1,460
<i>Aphanocapsa spp</i>		621	131	146		460				
<i>Cyanogranis spp</i>	482		80		161				197	737
<i>Cyanocatena spp</i>	1132	380	175		292	153	277		482	723