

Summary table of field observations and cyanobacterial analysis.

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 11/28/2022

Job Name: CA2208085

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
<i>Site Code</i>	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
<i>Sample Date/Time</i>	10/28/2022 11:05	10/28/2022 9:13	10/28/2022 8:30	10/28/2022 10:57	10/28/2022 9:41	10/28/2022 10:35	10/28/2022 10:29	10/28/2022 8:49	10/28/2022 10:46	10/28/2022 9:20
Enterococci – Confirmed (MPN/100mL)	21	12	15	60	8	15	2	22	50	27
Weather conditions	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine
	Calm	Calm	Calm	Overcast	Calm	Calm	Overcast	Calm	Calm	Overcast
Wind conditions	Breezy	Calm	Breezy	Breezy	Calm	Breezy	Breezy	Calm	Breezy	Calm
Wind direction	NW	NA	NW	NW	NW	NW	NE	NA	NE	NA
Water Surface	Choppy	Calm	Calm	Choppy	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	21.7	20	19.6	21.5	20.1	20.1	20.3	19.7	20.1	19.4
Turbidity (actual - NTU)	23.5	19.6	21.7	17.3	18.4	18.1	16.1	27.1	22.7	19.8
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Green	Brown	Brown	Brown
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Sparse	Absent	Absent	Absent	Absent	Absent	Absent	Healthy	Absent
Floating green specks	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	0	0	1-10	0	0	1-10	0
Birds around site	0	0	0	10+	0	1-10	0	0	10+	0
Froth at shoreline	Nil	Nil	Nil	Moderate	Nil	Nil	Scant	Nil	Nil	Nil
Floating debris	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Total blue-green algae concentration (cells/mL)	722	324	1670	200	1200	1253	471	1348	304	104
Biovolume mm ³ /L	0.0161	0.0074	0.0167	0.0018	0.0103	0.0177	0.0081	0.0153	0.006	0.0005

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Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
High - risk Cyanophyta (cells/mL)	152	48	78	0	52	139	70	104	38	0
<i>Microcystis cf aeruginosa (PTP)</i>	152	48	78		52	139	70	104	38	
Potential-risk Cyanophyta (cells/mL)	0	105	113	48	0	0	0	0	76	0
<i>Geitlerinema spp (PTP)</i>		105	113	48					76	
Low-risk Cyanophyta (cells/mL)	570	171	1,479	152	1,148	1,114	401	1,244	190	104
<i>Cyanocatena spp</i>			592		522	740	96	783		
<i>Chroococcales spp</i>	570	171	887	152	626	374	305	461	190	104