

**Summary table of field observations and cyanobacterial analysis.**

**Sampling Run:** LAKE BURLEY GRIFFIN (BEACH MONTORING)

**Sample Date:** 15/02/2021

**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
<i>Site Code</i>	<b>LBG510</b>	<b>LBG511</b>	<b>LBG512</b>	<b>LBG514</b>	<b>LBG515</b>	<b>LBG516</b>	<b>LBG517</b>	<b>LBG538</b>	<b>LBG533</b>	<b>LBG539</b>
<i>Sample Date/Time</i>	15/02/2021 10:45	15/02/2021 8:49	15/02/2021 8:11	15/02/2021 10:33	15/02/2021 9:21	15/02/2021 10:07	15/02/2021 9:50	15/02/2021 8:32	15/02/2021 10:22	15/02/2021 9:04
Enterococci – Confirmed (MPN/100mL)	39	6	19	13	34	49	22	4	15	17
Weather conditions	Clear	Cloudy	Cloudy	Clear	Cloudy	Cloudy	Cloudy	Cloudy	Clear	Cloudy
Wind conditions	Breezy	Breezy	Breezy	Breezy	Breezy	Calm	Breezy	Breezy	Breezy	Breezy
Wind direction	NE	E	E	SE	S	NA	SE	S	NE	S
Water Surface	Calm	Choppy	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	22.9	22.5	21.2	23.4	22.6	22.5	22.6	22.3	23.1	21.4
Turbidity (actual - NTU)	17.1	17.1	23.4	13.9	11.7	14.2	10.6	16.4	15.5	13.8
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Floating green specks	Sparse	Healthy	Sparse	Sparse	Healthy	Sparse	Sparse	Sparse	Healthy	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	0	1-10	0	0	0	0	0
Birds around site	0	0	10+	10+	1-10	10+	0	0	0	1-10
Froth at shoreline	Nil	Scant	Nil	Nil	Nil	Nil	Nil	Scant	Nil	Nil
Floating debris	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Total blue-green algae concentration (cells/mL)	7663	14671	14024	13112	23836	12378	3920	9065	15043	3440
Biovolume mm <sup>3</sup> /L	0.495	2.8	2.32	2.22	4.25	2.13	0.406	0.877	1.34	0.4

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 15/02/2021

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
<b>Site Code</b>	<b>LBG510</b>	<b>LBG511</b>	<b>LBG512</b>	<b>LBG514</b>	<b>LBG515</b>	<b>LBG516</b>	<b>LBG517</b>	<b>LBG538</b>	<b>LBG533</b>	<b>LBG539</b>
<b>High - risk Cyanophyta (cells/mL)</b>	<b>3,812</b>	<b>13,348</b>	<b>10,476</b>	<b>9,163</b>	<b>18,291</b>	<b>8,732</b>	<b>1,617</b>	<b>3,528</b>	<b>9,996</b>	<b>1,666</b>
<i>Microcystis aeruginosa</i>	3077	3352	1970	627	2727	853	118	314	7291	196
<i>Dolichospermum circinale</i>	735	9996	8506	8536	15564	7879	1499	3214	2705	1470
<b>Potential-risk Cyanophyta (cells/mL)</b>	<b>186</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,454</b>	<b>627</b>	<b>206</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Sphaerospermopsis spp</i>	186				121	627				
<i>Cuspidothrix issatchenkoi</i>					1333					
<i>Pseudanabaena limnetica</i>							206			
<b>Low-risk Cyanophyta (cells/mL)</b>	<b>3,665</b>	<b>1,323</b>	<b>3,548</b>	<b>3,949</b>	<b>4,091</b>	<b>3,019</b>	<b>2,097</b>	<b>5,537</b>	<b>5,047</b>	<b>1,774</b>
<i>Aphanocapsa spp</i>	637	245	529	382	293	216	157	627	1901	186
<i>Chroococcus spp</i>	78							20		
<i>Cyanogranis spp</i>	441	294	549	235	364	137			206	
<i>Woronichinia spp</i>	2509	784	2470	3332	3434	2666	1940	4733	2940	1588
<i>Cyanodictyon spp</i>								157		