

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

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

**Sample Date:** 12/04/2021

**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>	12/04/2021 10:45	12/04/2021 9:15	12/04/2021 8:43	12/04/2021 10:40	12/04/2021 9:40	12/04/2021 10:15	12/04/2021 10:00	12/04/2021 9:04	12/04/2021 10:20	12/04/2021 9:25
Enterococci – Confirmed (MPN/100mL)	22	18	15	87	280	32	66	6	43	4
Weather conditions	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Wind conditions	Clam	Breezy	Breezy	Breezy	Breezy	Breezy	Breezy	Calm	Calm	Calm
Wind direction	N	NE	NE	NE	NW	NW	NW	NW	NW	SW
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	17.1	16.5	14.5	18.4	16.1	16.5	15.2	16.2	15.7	15.6
Turbidity (actual - NTU)	17.5	17.8	16.3	21.2	64.9	20.8	37	19	18.8	19.4
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	Present	Absent	Absent	Absent	Absent	Absent
Macrophytes	Sparse	Healthy	Sparse	Sparse	Sparse	Sparse	Healthy	Sparse	Healthy	Sparse
Floating green specks	Sparse	Sparse	Sparse	Sparse	Healthy	Sparse	Sparse	Sparse	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent	Absent
Birds on water	0	0	1-10	1-10	1-10	1-10	1-10	1-10	1-10	0
Birds around site	0	1-10	1-10	1-10	1-10	0	1-10	1-10	1-10	1-10
Froth at shoreline	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Absent	Absent	Present	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)	8797	8701	2344	21971	224901	9971	88229	26433	15562	5935
Biovolume mm <sup>3</sup> /L	0.54	0.542	0.15	1.53	32.9	0.325	7.2	0.94	1.55	0.625

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 12/04/2021

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>4,081</b>	<b>4,533</b>	<b>709</b>	<b>13,727</b>	<b>151,541</b>	<b>2,015</b>	<b>39,467</b>	<b>7,919</b>	<b>7,925</b>	<b>3,088</b>
<i>Dolichospermum circinale</i>	905	679	453	1606	116957	453	20497	471	4817	2037
<i>Microcystis aeruginosa</i>	3176	3854	256	12121	34584	1562	18970	7448	3108	1051
<b>Potential-risk Cyanophyta (cells/mL)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>146</b>	<b>426</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Geitlerinema amphibium</i>						146	426			
<b>Low-risk Cyanophyta (cells/mL)</b>	<b>4,716</b>	<b>4,168</b>	<b>1,635</b>	<b>8,244</b>	<b>73,360</b>	<b>7,810</b>	<b>48,336</b>	<b>18,514</b>	<b>7,637</b>	<b>2,847</b>
<i>Aphanocapsa spp</i>	467	372	175	992	7546	299	2645	456	178	394
<i>Cyanogranis spp</i>	453									
<i>Coelomoron spp</i>	2453	2453	1226	6216	17606	7358	33197	15322	7459	2453
<i>Woronichinia spp</i>	1343	1343	234	1036	48208	153	8208	2736		
<i>Gomphospaeria spp</i>							4286			