

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

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

**Sample Date:** 11/01/2021

**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>	11/01/2021 9:27	11/01/2021 7:50	11/01/2021 7:01	11/01/2021 9:15	11/01/2021 8:15	11/01/2021 8:55	11/01/2021 8:39	11/01/2021 7:30	11/01/2021 9:08	11/01/2021 8:02
Enterococci – Confirmed (MPN/100mL)	40	10	8	198	17	84	10	26	90	22
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Breezy	Breezy	Calm	Breezy	Breezy	Breezy	Breezy	Breezy	Breezy	Calm
Wind direction	E	E	E	E	E	E	E	E	NA	E
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	23.8	23	20.9	24.2	24.4	24.6	24.1	21	24	22.5
Turbidity (actual - NTU)	20.1	24.6	24.3	17.5	18.1	18.2	15.2	25.2	19.6	18.2
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Scums	Healthy	Absent	Absent	Absent	Absent	Sparse	Absent	Sparse	Healthy	Absent
Macrophytes	Sparse	Healthy	Absent	Sparse	Absent	Absent	Healthy	Sparse	Healthy	Sparse
Floating green specks	Healthy	Sparse	Absent	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse
Filamentous growth	Healthy	Absent	Absent	Absent	Absent	Healthy	Absent	Sparse	Healthy	Absent
Birds on water	1-10	0	1-10	1-10	1-10	10+	1-10	1-10	0	1-10
Birds around site	1-10	1-10	1-10	1-10	1-10	10+	1-10	1-10	0	1-10
Froth at shoreline	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Absent	Absent	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)	16820	8373	2378	4240	3974	14364	6186	2841	7466	3071
Biovolume mm <sup>3</sup> /L	0.538	0.548	0.129	0.199	0.184	1.35	0.372	0.266	1.03	0.271

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 11/01/2021

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>3,592</b>	<b>3,964</b>	<b>790</b>	<b>1,360</b>	<b>1,079</b>	<b>9,080</b>	<b>1,991</b>	<b>1,421</b>	<b>4,588</b>	<b>1,688</b>
<i>Dolichospermum circinale</i>	657	1029	304	342	403	3130	999	829	3700	696
<i>Microcystis aeruginosa</i>	2935	2935	486	1018	676	5950	992	592	888	992
<b>Potential-risk Cyanophyta (cells/mL)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Low-risk Cyanophyta (cells/mL)</b>	<b>13,228</b>	<b>4,409</b>	<b>1,588</b>	<b>2,880</b>	<b>2,895</b>	<b>5,284</b>	<b>4,195</b>	<b>1,420</b>	<b>2,878</b>	<b>1,383</b>
<i>Aphanocapsa spp</i>	584	482	258	160	205	178	222	303	170	155
<i>Cyanogranis spp</i>	453	270	243	182	152	163	266	377	222	118
<i>Woronichinia spp</i>	12191	3657	1087	2538	2538	4943	3707	740	2486	1110