

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

<b>Sampling Run:</b>	LAKE BURLEY GRIFFIN (BEACH MONITORING)				<b>Sample Date:</b>	24/03/2025				
<b>Client:</b>	NATIONAL CAPITAL AUTHORITY									
<b>Site</b>	<b>Lotus Bay</b>	<b>Ferry Terminal</b>	<b>East Basin</b>	<b>Yarralumla Beach</b>	<b>Black Mountain Beach</b>	<b>Weston Park East</b>	<b>Weston Park West</b>	<b>Captain Cook Memorial Globe</b>	<b>Yarralumla Bay</b>	<b>Acton West</b>
<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>	24/03/25 09:30	24/03/25 07:55	24/03/25 07:25	24/03/25 09:20	24/03/25 08:15	24/03/25 08:55	24/03/25 08:45	24/03/25 07:40	24/03/25 09:05	24/03/25 08:05
Enterococci – Confirmed (MPN/100mL)	15	42	97	79	66	72	17	43	58	6
Weather conditions	Fine	Overcast	Overcast	Fine	Fine	Fine	Fine	Overcast	Fine	Fine
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	East	Southeast	N/A	Southeast	N/A	N/A	East	East	Southeast	N/A
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	23.3	22.3	22.2	23.8	22.5	23.3	23.8	22.6	23.3	22.2
Turbidity (actual - NTU)	4.7	4.6	15.8	3.9	3.6	2.8	1.9	7.6	6	5.5
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	Dense	Dense	Sparse	Sparse	Sparse	Sparse	Dense	Sparse	Sparse	Dense
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	1-10	1-10	1-10	1-10	0	1-10	1-10	1-10	1-10
Birds around site	0	1-10	1-10	10+	1-10	10+	0	0	1-10	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	Present
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Open	Open	Closed	Open	Open	Open	Open	No sign	Open	Open
Total blue-green algae concentration (cells/mL)	14058	51228	59299	18882	17874	16223	18960	41280	23670	18775
Biovolume mm <sup>3</sup> /L	1.73	6.68	7.17	1.15	1.24	1.11	0.43	4.52	1.26	1.44

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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
<b>High - risk Cyanophyta (cells/mL)</b>	<b>5649</b>	<b>25380</b>	<b>7830</b>	<b>3624</b>	<b>4416</b>	<b>3956</b>	<b>1098</b>	<b>15048</b>	<b>4054</b>	<b>3399</b>
<i>Microcystis aeruginosa</i> (PTP)	951	7722	940	1680	2304	1926	570	5328	2013	1357
<i>Dolichospermum circinale</i> (PTP)	4698	17388	6003	1944	1428	1682	348	9108	1879	1578
<i>Chrysochloris ovalisporum</i> (PTP)	0	270	887	0	684	348	180	612	162	464
<b>Potential-risk Cyanophyta (cells/mL)</b>	<b>4407</b>	<b>14796</b>	<b>45344</b>	<b>4620</b>	<b>5226</b>	<b>4715</b>	<b>2190</b>	<b>16632</b>	<b>3979</b>	<b>7772</b>
<i>Phormidium Small &lt;5um</i>	2337	10620	32799	2418	3354	2517	1116	13650	1798	4547
<i>Dolichospermum planktonicum</i>	145	816	4060	150	360	145	150	468	580	487
<i>Sphaerospermopsis aphanizomenoides</i>	1531	1500	3532	1848	1512	1659	924	1500	1404	2018
<i>Cuspidothrix issatchenkoi</i>	0	384	1044	0	0	0	0	384	0	174
<i>Geitlerinema amphibium</i> (PTP)	0	276	1009	0	0	0	0	300	0	244
<i>Planktothrix spp</i>	394	1200	2900	204	0	394	0	330	197	302
<b>Low-risk Cyanophyta (cells/mL)</b>	<b>4002</b>	<b>11052</b>	<b>6125</b>	<b>10638</b>	<b>8232</b>	<b>7552</b>	<b>15672</b>	<b>9600</b>	<b>15637</b>	<b>7604</b>
<i>Aphanocapsa Small &lt;2</i>	1740	7920	2958	8160	5640	6496	14664	5400	11136	3132
<i>Chroococcus (Small)</i>	35	36	35	72	36	93	0	72	186	70
<i>Cyanocatena spp</i>	974	414	1485	1080	768	487	504	1872	1299	110
<i>Cyanogranis libera</i>	940	990	580	780	840	476	504	984	2140	870
<i>Coelomoron spp</i>	313	480	325	408	180	0	0	528	551	1044
<i>Merismopedia Small spp</i>	0	768	742	0	768	0	0	384	0	1856
<i>Coelosphaerium spp</i>	0	444	0	138	0	0	0	360	325	522