

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

<b>Sampling Run:</b>	LAKE BURLEY GRIFFIN (BEACH MONITORING)				<b>Sample Date:</b>					
<b>Client:</b>	NATIONAL CAPITAL AUTHORITY				10/03/2026					
<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>
<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>Sample Date/Time</b>	10/03/26 09:30	10/03/26 08:50	10/03/26 7:20	10/03/26 09:20	10/03/26 08:15	10/03/26 09:55	10/03/26 08:45	10/03/26 07:35	10/03/26 09:10	10/03/26 09:00
Enterococci - Confirmed (MPN/100mL)	160	13	24	61	24	13	10	17	170	22
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	Northeast	East	N/A	Northeast	N/A	East	N/A	East	N/A	N/A
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	21.8	21.4	21.0	22.0	21.6	21.7	22.0	21.5	22.2	21.2
Turbidity (actual - NTU)	9.7	17.7	16.5	14.3	5.8	12.9	3.5	16.1	11.1	10.5
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Scums	Present	Present	Present	Present	Absent	Present	Absent	Absent	Present	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Sparse	Absent
Floating green specks	Healthy	Dense	Healthy	Dense	Sparse	Dense	Sparse	Healthy	Healthy	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	0	0	0	0	0	1-10	1-10
Birds around site	0	0	0	0	0	0	0	0	1-10	1-10
Froth at shoreline	Nil	Scant	Nil	Nil	Nil	Scant	Nil	Scant	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
Sign Observed (Open, Closed, No Sign)	Closed	Open	Open	Advisory	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	2620	12800	4560	15400	14700	45500	2850	8750	13600	8920
Biovolume mm <sup>3</sup> /L	0.063	1.03	0.681	1.15	1.14	3.81	0.16	0.752	0.735	0.53
Proposed Recreational Alert Level*	Low	Medium	Low	Medium	Medium	Medium	Low	Medium	Medium	Medium

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Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
<b>High risk/potential toxic Cyanophyta (cells/mL)**</b>	<b>654</b>	<b>11797</b>	<b>1927</b>	<b>13191</b>	<b>13042</b>	<b>43639</b>	<b>1796</b>	<b>7524</b>	<b>8293</b>	<b>5986</b>
<i>Microcystis aeruginosa</i> (PTP)	654	11797	1927	13191	13042	43639	1796	7524	8293	5986
<b>Other potential-risk Cyanophyta (cells/mL)**</b>	<b>0</b>	<b>0</b>	<b>1811</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>0</b>	<b>349</b>	<b>0</b>	<b>0</b>
<i>Geitlerinema</i> spp (PTP)	0	0	248	0	0	243	0	0	0	0
<i>Sphaerospermopsis</i> spp	0	0	504	0	0	0	0	167	0	0
<i>Dolichospermum planktonicum</i>	0	0	1059	0	0	0	0	182	0	0
<b>Low-risk Cyanophyta (cells/mL)**</b>	<b>1961</b>	<b>1044</b>	<b>818</b>	<b>2161</b>	<b>1672</b>	<b>1611</b>	<b>1051</b>	<b>881</b>	<b>5257</b>	<b>2935</b>
<i>Aphanocapsa</i> spp <2um +>2um	988	759	511	920	1246	638	350	638	3322	1424
Chroococcales spp	973	285	307	1241	426	973	701	243	1935	1511

\*These proposed Alert Levels only are based on total blue-green algal biovolumes as per the revised ACT GUIDELINES FOR RECREATIONAL WATER QUALITY (see Appendix B). ALS is not responsible or liable for the final decision or action plan that will be implemented based on the proposed recreational Alert Levels

\*\*Cyanophyta list is categorised according to 2024- 2025 potentially toxic species living in Australian waters, as well as toxic studies and their toxic status which were reported.

^ indicates that the site had a resample taken and these results have been reported instead of the original results.

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