

**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				02/03/2026 & 03/03/2026^					
<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>	02/03/26 09:30	03/03/26 11:40^	02/03/26 07:20	02/03/26 09:20	02/03/26 08:20	02/03/26 09:00	02/03/26 08:50	02/03/26 07:40	03/03/26 12:03^	02/03/26 08:05
Enterococci - Confirmed (MPN/100mL)	160	1220^	37	20	44	22	43	42	96^	45
Weather conditions	Raining	Raining	Raining	Raining	Raining	Raining	Raining	Raining	Raining	Raining
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	N/A	Southeast	N/A	N/A	N/A	N/A	N/A	East	N/A	Southeast
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	21.9	21.5	21	22	22.2	22.1	22.1	21.6	22.1	21.6
Turbidity (actual - NTU)	7.4	10.8	18.7	8.4	2.9	4.3	2.4	26.4	8.7	9.7
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	Present	Absent	Absent	Absent	Absent	Present	Absent	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Sparse	Absent
Floating green specks	Healthy	Sparse	Healthy	Healthy	Sparse	Sparse	Sparse	Dense	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent
Birds on water	0	1-10	0	0	0	0	1-10	0	0	1-10
Birds around site	0	1-10	0	0	0	0	1-10	0	0	1-10
Froth at shoreline	Nil	Nil	Scant	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
Sign Observed (Open, Closed, No Sign)	Closed	Open	Open	Advisory	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	7462	10260	13886	13049	7106	3793	3767	74664	1555	5095
Biovolume mm <sup>3</sup> /L	0.457	0.546	0.981	0.805	0.263	0.189	0.135	5.9	0.046	0.226
Proposed Recreational Alert Level*	Medium	Medium	Medium	Medium	Low	Low	Low	<b>High</b>	Low	Low

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<b>High risk/potential toxic Cyanophyta (cells/mL)**</b>	<b>5081</b>	<b>6202</b>	<b>11469</b>	<b>8938</b>	<b>2827</b>	<b>2401</b>	<b>1562</b>	<b>68065</b>	<b>475</b>	<b>2540</b>
<i>Microcystis aeruginosa</i> (PTP)	5081	5776	10534	8938	2827	1611	1226	66576	475	2394
<i>Chrysoosporum</i> ( <i>Umezakia</i> ) <i>ovalisporum</i> (PTP)	0	426	935	0	0	790	336	1489	0	146
<b>Other potential-risk Cyanophyta (cells/mL)**</b>	<b>628</b>	<b>243</b>	<b>91</b>	<b>1482</b>	<b>0</b>	<b>175</b>	<b>0</b>	<b>263</b>	<b>73</b>	<b>80</b>
<i>Geitlerinema</i> spp (PTP)	628	243	91	1482	0	175	0	263	73	80
<b>Low-risk Cyanophyta (cells/mL)**</b>	<b>1753</b>	<b>3815</b>	<b>2326</b>	<b>2629</b>	<b>4279</b>	<b>1217</b>	<b>2205</b>	<b>6336</b>	<b>1007</b>	<b>2475</b>
<i>Aphanocapsa</i> spp <2um +>2um	1249	3025	1292	1398	3253	791	1533	3854	686	2110
<i>Cyanocatenula</i> spp	504	790	1034	1231	1026	426	672	2482	321	365

\*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.

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

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