

Summary table of field observations and cyanobacterial analysis.											
Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)					Sample Date: 27/07/2026			Job Name: CA2604402			
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 Globe	Yarralumla Bay	Acton West	Floating Sauna
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539	LBG###
Sample Date/Time	27/07/2026 9:15	27/07/2026 7:40	27/07/2026 7:15	27/07/2026 9:10	27/07/2026 8:00	27/07/2026 8:50	27/07/2026 8:30	27/07/2026 7:30	27/07/2026 9:00	27/07/2026 7:50	27/07/2026 9:25
Enterococci – Confirmed (MPN/100mL)	10	33	4	120	10	3	<1	40	33	2	10
Weather conditions	Overcast	Cloudy	Cloudy	Overcast	Cloudy	Overcast	Cloudy	Cloudy	Overcast	Cloudy	Overcast
Wind conditions	Calm	Breezy	Calm	Calm	Calm	Calm	Calm	Breezy	Calm	Calm	Calm
Wind direction	South	Southeast	N/A	South	N/A	N/A	East	East	Southeast	N/A	South
Water Surface	Calm	Choppy	Calm	Calm	Calm	Calm	Calm	Choppy	Calm	Calm	Calm
Water Temperature °C	10.0	9.0	8.5	9.5	9.0	9.0	9.0	9.0	9.0	9.5	9.5
Turbidity (actual – NTU)	5.5	6.6	13.5	4.2	3.8	3.4	4.0	8.9	5.9	6.0	5.8
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Clear	Brown	Brown	Green	Green	Green	Green	Brown	Brown	Brown	Green
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Sparse	Absent	Absent	Absent	Absent	Absent	Sparse	Sparse	Sparse	Sparse	Dense
Floating green specks	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Filamentous growth	Sparse	Sparse	Healthy	Sparse	Healthy	Sparse	Sparse	Healthy	Sparse	Sparse	Sparse
Birds on water	1-10	0	0	1-10	1-10	1-10	0	0	1-10	1-10	1-10
Birds around site	1-10	1-10	0	1-10	0	1-10	0-10	0	1-10	0	1-10
Froth at shoreline	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Absent	Present	Present	Absent	Absent	Present	Present	Present	Present	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Open	Open	Open	Open	Open	Open	Open	No signs	Open	Open	No signs
Total blue-green algae concentration (cells/mL)	805	353	644	385	295	719	462	280	553	287	857
Biovolume mm³/L	0.009	0.002	0.021	0.001	0.001	0.003	0.001	0.005	0.002	0.001	0.012
Proposed Recreational Alert Level*	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
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High risk/potential toxic Cyanophyta (cells/mL)**	70	0	161	0	0	0	0	43	0	0	101
Microcystis aeruginosa (PTP)	70	0	161	0	0	0	0	43	0	0	101
Other potential-risk Cyanophyta (cells/mL)**	0	0	112	0	0	0	0	0	0	0	0
Phormidium spp	0	0	42	0	0	0	0	0	0	0	0
Geitlerinema spp (PTP)	0	0	70	0	0	0	0	0	0	0	0
Low-risk Cyanophyta (cells/mL)**	735	353	371	385	295	719	462	237	553	287	756
Aphanocapsa spp	301	144	175	189	151	266	315	151	119	147	274
Chroococcus spp	14	58	56	0	0	43	28	14	14	0	72
Cyanocatena spp	420	151	140	196	144	410	119	72	420	140	410

*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 given.

**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.