

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:			
Client:	NATIONAL CAPITAL AUTHORITY				28/09/2026			CA2605782			
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	28/09/2026 10:05	28/09/2026 8:00	28/09/2026 7:30	28/09/2026 9:45	28/09/2026 8:30	28/09/2026 9:20	28/09/2026 9:10	28/09/2026 7:50	28/09/2026 9:30	28/09/2026 8:15	28/09/2026 9:55
Enterococci – Confirmed (MPN/100mL)	21	5	6	140	32	25	10	10	20	4	24
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Calm	Breezy	Breezy	Calm	Calm	Calm	Calm	Breezy	Calm	Calm	Calm
Wind direction	East	East	East	N/A	N/A	East	East	East	East	N/A	N/A
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Choppy	Calm	Calm	Calm
Water Temperature °C	17.6	17.4	17.6	18.0	17.6	17.9	18.1	17.2	17.7	17.1	17.8
Turbidity (actual – NTU)	8.2	10.3	14.6	6.4	6.1	6.3	3.4	13.1	7.2	9.4	7
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Green	Brown	Green	Green	Green	Green	Brown	Green	Green	Green
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Healthy	Sparse	Absent	Absent	Absent	Absent	Healthy	Sparse	Healthy	Healthy	Dense
Floating green specks	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Filamentous growth	Sparse	Sparse	Healthy	Sparse	Absent	Sparse	Healthy	Sparse	Healthy	Healthy	Healthy
Birds on water	0	0	0	1-10	0	1-10	1-10	1-10	1-10	0	0
Birds around site	0	0	0	1-10	0	1-10	0	1-10	1-10	0	0
Froth at shoreline	Nil	Scant	Scant	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil
Floating debris	Present	Absent	Present	Present	Absent	Present	Absent	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	Closed	Open	No signs
Total blue-green algae concentration (cells/mL)	458	665	520	253	712	431	378	1372	842	1156	335
Biovolume mm ³ /L	0.0028	0.0009	0.0016	0.0017	0.0011	0.0149	0.00068	0.0058	0.0025	0.0725	0.0015
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)**	0	0	0	0	0	36	0	0	0	173	0
<i>Tychonema (PTP)</i>	0	0	0	0	0	36	0	0	0	173	0
Other potential-risk Cyanophyta (cells/mL)**	78	0	0	86	0	0	0	335	0	292	0
<i>Geitlerinema spp</i>	78	0	0	86	0	0	0	335	0	292	0
Low-risk Cyanophyta (cells/mL)**	380	665	520	167	712	395	378	1037	842	691	335
<i>Aphanocapsa spp</i>	0	52	120	0	114	104	70	76	86	135	0
<i>Chroococcus spp</i>	94	0	62	32	10	0	0	32	86	0	43
<i>Chroococcales spp</i>	130	114	109	54	104	104	92	173	227	124	173
<i>Cyanogranis spp</i>	156	499	229	81	484	187	216	756	443	432	119

*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.