

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:			
Client:	NATIONAL CAPITAL AUTHORITY				14/09/2026 & 15/09/2026			CA2605290 & CA2605513^			
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	14/09/2026 9:45	14/09/2026 7:55	14/09/2026 7:25	15/09/2026 13:45^	14/09/2026 8:25	14/09/2026 9:15	14/09/2026 9:00	14/09/2026 7:40	14/09/2026 9:25	14/09/2026 8:10	14/09/2026 9:55
Enterococci – Confirmed (MPN/100mL)	30	42	20	1950^	2	110	12	10	20	1	10
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	North	Northeast	NA	North	NA	North	NA	North	NA	NA	North
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature °C	17.3	15.9	16.8	17.4	16.6	17.2	17.3	16.3	17.2	16.5	17.3
Turbidity (actual – NTU)	5.4	5.5	8.3	4.2	4.7	4.4	2.4	7.8	3.6	5.9	5
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Green	Brown	Green	Green	Green	Green	Brown	Green	Green	Brown
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Healthy	Absent	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	Healthy	Healthy	Sparse	Sparse	Absent	Sparse	Sparse	Sparse	Sparse	Healthy	Sparse
Birds on water	1-10	1-10	1-10	1-10	1-10	1-10	1-10	0	1-10	1-10	0
Birds around site	1-10	1-10	1-10	1-10	1-10	1-10	1-10	0	1-10	1-10	0
Froth at shoreline	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Present	Present	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	Open	Open	No signs
Total blue-green algae concentration (cells/mL)	562	239	208	629	308	380	504	368	416	348	630
Biovolume mm³/L	0.0032	0.0011	0.0009	0.0033	0.0021	0.0024	0.0038	0.0224	0.0028	0.0023	0.0043
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	0	0	54	0	0	0
<i>Tychonema (PTP)</i>	0	0	0	0	0	0	0	54	0	0	0
Other potential-risk Cyanophyta (cells/mL)**	68	0	0	0	0	0	135	0	0	0	68
<i>Pseudanabaena spp</i>	0	0	0	0	0	0	135	0	0	0	0
<i>Geitlerinema amphibium</i>	68	0	0	0	0	0	0	0	0	0	68
Low-risk Cyanophyta (cells/mL)**	494	239	208	629	308	380	369	314	416	348	562
<i>Aphanocapsa spp</i>	151	52	62	166	54	73	78	130	43	68	73
<i>Chroococcus spp</i>	62	31	42	104	103	104	104	54	130	114	130
<i>Chroococcales spp</i>	281	156	104	359	151	203	187	130	243	166	359

*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.