

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:			
Client:	NATIONAL CAPITAL AUTHORITY				7/09/2026			CA2605298			
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	7/09/2026 10:40	7/09/2026 8:40	7/09/2026 8:00	7/09/2026 10:15	7/09/2026 9:10	7/09/2026 9:55	7/09/2026 9:40	7/09/2026 8:20	7/09/2026 10:05	7/09/2026 8:50	7/09/2026 10:25
Enterococci – Confirmed (MPN/100mL)	8	11	2	68	19	24	1	8	15	3	11
Weather conditions	Overcast	Clear	Clear	Overcast	Clear	Overcast	Overcast	Clear	Overcast	Clear	Overcast
Wind conditions	Calm	Calm	Calm	Breezy	Calm	Breezy	Breezy	Calm	Breezy	Calm	Breezy
Wind direction	Nil	Nil	Nil	North	North	North	North	Nil	North	North	North
Water Surface	Calm	Calm	Calm	Choppy	Calm	Calm	Choppy	Calm	Choppy	Calm	Choppy
Water Temperature °C	17.7	15.3	15.3	20.1	17.8	20.7	22.6	15.2	20.1	15.1	16.1
Turbidity (actual – NTU)	5.0	9.1	11.5	6.2	5.3	5.6	3.1	10.2	5.5	7.9	5.4
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Green	Green	Green	Green	Green	Green	Green	Green
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	Sparse	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Filamentous growth	Sparse	Healthy	Sparse	Sparse	Sparse	Sparse	Healthy	Sparse	Healthy	Healthy	Sparse
Birds on water	0	1-10	0	0	0	0	1-10	0	1-10	0	0
Birds around site	0	1-10	0	0	0	0	0	0	1-10	0	0
Froth at shoreline	Nil	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Moderate	Nil	Nil
Floating debris	Present	Absent	Absent	Present	Absent	Present	Present	Absent	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	Closed	Open	Open	Open	No sign	Open	Open	No sign
Total blue-green algae concentration (cells/mL)	367	358	805	718	584	324	120	1020	489	400	778
Biovolume mm ³ /L	0.0009	0.0012	0.0042	0.0016	0.0017	0.0008	0.0004	0.0065	0.001	0.002	0.0028
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	0	0	0	0
None detected	0	0	0	0	0	0	0	0	0	0	0
Other potential-risk Cyanophyta (cells/mL)**	0	0	109	62	49	0	0	351	0	109	103
Geitlerinema amphibium (PTP)	0	0	109	62	49	0	0	351	0	109	103
Low-risk Cyanophyta (cells/mL)**	367	358	696	656	535	324	120	665	489	291	675
Aphanocapsa spp	0	52	62	0	0	0	0	108	0	83	0
Chroococcus spp	54	0	31	0	0	0	0	22	0	0	86
Cyanocadena spp	86	218	499	94	173	130	68	389	156	114	135
Cylindrocapsa spp	227	88	104	562	362	194	52	146	333	94	454

*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.