

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:			
Client:	NATIONAL CAPITAL AUTHORITY				17/08/2026			CA2604843			
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	17/08/2026 10:20	17/08/2026 8:15	17/08/2026 7:45	17/08/2026 10:10	17/08/2026 8:40	17/08/2026 9:40	17/08/2026 9:30	17/08/2026 8:00	17/08/2026 10:00	17/08/2026 8:25	17/08/2026 10:30
Enterococci – Confirmed (MPN/100mL)	10	86	25	10	1	20	4	16	7	20	3
Weather conditions	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Clear	Cloudy	Cloudy
Wind conditions	Calm	Calm	Calm	Calm	Calm	Breezy	Calm	Calm	Calm	Calm	Calm
Wind direction	Northeast	Nil	Nil	Northeast	Nil	Northeast	North	Nil	Northeast	Nil	Nil
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature °C	11.0	10.0	9.5	11.0	10.0	11.0	10.5	10.0	11.0	10.0	11
Turbidity (actual – NTU)	5.8	5.0	12.4	5.2	4.3	5.4	4.0	9.3	4.7	5.0	4.5
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Brown	Brown	Green	Clear	Green	Green	Brown	Green	Green	Green
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Sparse	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent	Healthy	Dense
Floating green specks	Absent	Sparse	Sparse	Absent	Absent	Sparse	Sparse	Sparse	Absent	Sparse	Absent
Filamentous growth	Healthy	Healthy	Healthy	Sparse	Healthy	Sparse	Sparse	Healthy	Sparse	Healthy	Sparse
Birds on water	1-10	1-10	0	0	1-10	1-10	1-10	0	0	1-10	0
Birds around site	1-10	1-10	0	0	1-10	1-10	1-10	0	0	1-10	0
Froth at shoreline	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Present	Absent	Absent	Absent	Absent	Present	Absent	Present	Present	Present	Absent
Only film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Closed	Open	Open	Open	Open	Open	Open	No signs	Closed	Open	No signs
Total blue-green algae concentration (cells/mL)	896	788	2565	993	1313	550	1134	1186	883	1040	988
Biovolume mm ³ /L	0.0245	0.0026	0.023	0.0105	0.005	0.0018	0.0479	0.1411	0.0184	0.0038	0.0099
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)**	248	0	189	86	0	0	177	0	177	0	68
<i>Microcystis cf. spp</i>	248	0	189	86	0	0	0	0	177	0	68
<i>Dolichospermum circinale</i> (PTP)	0	0	0	0	0	0	177	0	0	0	0
Other potential-risk Cyanophyta (cells/mL)**	0	0	70	0	0	0	0	354	62	0	52
<i>Gelidierinema amphibia</i> (PTP)	0	0	70	0	0	0	0	0	62	0	52
<i>Tychonema spp</i>	0	0	0	0	0	0	0	354	0	0	0
Low-risk Cyanophyta (cells/mL)**	648	788	2306	907	1313	550	957	832	644	1040	868
<i>Aphanocapsa spp</i>	211	454	1490	529	551	275	374	640	348	499	338
<i>Chroococcus spp</i>	259	194	238	248	292	54	146	114	187	229	156
<i>Gloeocapsa spp</i>	0	0	454	0	0	0	0	0	0	0	0
Chroococcales spp	178	140	124	130	470	221	437	78	109	312	374

*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.