

Summary table of field observations and cyanobacterial analysis.											
Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)					Sample Date: 31/08/2026			Job Name: CA2605149			
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	31/08/2026 10:15	31/08/2026 8:10	31/08/2026 7:40	31/08/2026 10:00	31/08/2026 8:40	31/08/2026 9:30	31/08/2026 9:20	31/08/2026 7:55	31/08/2026 9:40	31/08/2026 8:20	31/08/2026 10:25
Enterococci – Confirmed (MPN/100mL)	11	86	16	13	6	8	1	57	8	20	2
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	North	East	Nil	North	Nil	Nil	Nil	East	Nil	Nil	North
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature °C	14.0	13.0	12.5	14.0	12.0	14.0	12.5	12.0	13.5	12.5	14
Turbidity (actual – NTU)	3.6	5.3	8.5	3.8	3.8	3.7	1.8	8.3	3.6	7.0	3.8
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Green	Green	Yellow	Clear	Green	Clear	Green	Green	Green	Green
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Healthy	Sparse	Absent	Absent	Absent	Absent	Sparse	Sparse	Healthy	Healthy	Dense
Floating green specks	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent	Absent
Filamentous growth	Sparse	Sparse	Sparse	Sparse	Healthy	Absent	Healthy	Sparse	Sparse	Healthy	Absent
Birds on water	0	1-10	1-10	1-10	1-10	1-10	1-10	0	1-10	1-10	1-10
Birds around site	0	1-10	1-10	1-10	1-10	1-10	1-10	0	1-10	1-10	0
Froth at shoreline	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Present	Present	Absent	Present	Absent	Present	Present	Present	Absent	Present	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 signs	Open	Open	No signs
Total blue-green algae concentration (cells/mL)	1200	1960	869	463	857	557	475	561	923	2000	275
Biovolume mm ³ /L	0.0455	0.119	0.038	0.0151	0.0273	0.0332	0.0271	0.038	0.0234	0.0868	0.0078
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	52	0	0	0	0	113	0	0	0
<i>Dolichospermum circinale</i> (PTP)	0	0	52	0	0	0	0	0	0	0	0
<i>Microcystis aeruginosa</i> (PTP)	0	0	0	0	0	0	0	113	0	0	0
Other potential-risk Cyanophyta (cells/mL)**	92	125	68	0	0	0	0	0	0	410	0
<i>Geitlerinema amphibium</i> (PTP)	92	125	68	0	0	0	0	0	0	410	0
Low-risk Cyanophyta (cells/mL)**	1107	1836	749	463	857	557	475	448	923	1588	275
<i>Aphanocapsa</i> spp	135	62	109	0	88	0	0	108	0	130	0
<i>Cyanocatena</i> spp	243	1113	198	281	385	177	151	108	351	616	130
<i>Cyanogranis libera</i>	535	151	338	120	270	234	205	113	475	486	113
<i>Chroococcus minutus</i>	194	510	104	62	114	146	119	119	97	356	32

*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.