

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:		
Client:	NATIONAL CAPITAL AUTHORITY				22/12/2025 & 23/12/2025*					
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
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
Sample Date/Time	22/12/25 10:20	23/12/25 13:55^	23/12/25 13:40^	22/12/25 10:05	23/12/25 14:10^	23/12/25 14:20^	23/12/25 14:30^	23/12/25 13:50^	22/12/25 09:50	23/12/25 14:00^
Enterococci – Confirmed (MPN/100mL)	18000	345^	365^	>48000	120^	95^	75^	130^	2400	70^
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Breezy	Breezy	Calm	Gusty	Breezy	Calm	Breezy	Breezy	Breezy	Breezy
Wind direction	North	North	Northwest	Northwest	Northwest	Northwest	Northwest	North	Northwest	Northwest
Water Surface	Calm	Calm	Choppy	Choppy	Choppy	Calm	Choppy	Calm	Calm	Choppy
Water Temperature (°C)	23.2	22.9	21.3	23.0	21.9	23.2	22.4	22.2	22.8	21.1
Turbidity (actual - NTU)	13.7	9.8	14.9	14.7	8.8	9.4	7.4	12.8	9.7	10.6
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Floating green specks	Sparse	Sparse	Healthy	Sparse	Sparse	Sparse	Sparse	Healthy	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	10+	1-10	1-10	1-10	10+	0	0	0	0
Birds around site	0	10+	1-10	1-10	1-10	10+	0	0	0	0
Froth at shoreline	Nil	Nil	Nil	Moderate	Scant	Nil	Scant	Nil	Nil	Scant
Floating debris	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Closed	Open	Advisory	Closed	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	4360	5430	8440	1430	1640	1300	6060	7320	1260	1470
Biovolume mm ³ /L	0.3060	0.4310	0.7440	0.0260	0.0834	0.0399	0.5040	0.6260	0.0520	0.1010
Proposed Recreational Alert Level*	Low	Low	Medium	Low	Low	Low	Medium	Medium	Low	Low

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High risk/potential toxic Cyanophyta (cells/mL)**	3445	4581	8034	216	648	414	4994	6830	566	974
<i>Microcystis aeruginosa (PTP)</i>	3445	4410	7769	216	504	414	4594	6647	566	887
<i>Dolichospermum circinale (PTP)</i>	0	171	265	0	144	0	400	183	0	87
Other potential-risk Cyanophyta (cells/mL)**	174	0	0	315	0	0	0	0	0	0
<i>Geitlerinema amphibium (PTP)</i>	174	0	0	315	0	0	0	0	0	0
Low-risk Cyanophyta (cells/mL)**	740	846	406	900	990	882	1062	487	696	496
<i>Aphanocapsa spp</i>	322	315	250	504	567	450	505	209	365	226
<i>Chroococcus (Small)</i>	174	216	62	108	108	162	87	104	87	52
<i>Chroococcales (small)</i>	244	315	94	288	315	270	470	174	244	218

*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).

** 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.