

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:					
Client:	NATIONAL CAPITAL AUTHORITY				2/02/2026					
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	02/02/26 09:40	02/02/26 07:50	02/02/26 07:20	02/02/26 09:30	02/02/26 08:20	02/02/26 09:10	02/02/26 09:00	02/02/26 07:35	02/02/26 09:20	02/02/26 08:05
Enterococci - Confirmed (MPN/100mL)	15	65	60	4	8	22	27	24	26	4
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Breezy	Strong	Breezy	Breezy	Breezy	Breezy	Breezy	Strong	Strong	Breezy
Wind direction	East	East	East	Southeast	East	East	East	East	Southeast	East
Water Surface	Calm	Choppy	Choppy	Calm	Calm	Calm	Choppy	Choppy	Choppy	Choppy
Water Temperature (°C)	23.5	22	20.6	23.4	22.2	22.2	22.3	21.3	23	21.9
Turbidity (actual - NTU)	9.4	8.3	10.9	5.9	4.6	5.1	4.1	8.1	6.2	5.0
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	Sparse	Absent	Absent	Absent	Absent	Sparse	Absent
Floating green specks	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent
Birds on water	0	1-10	0	0	1-10	1-10	0	0	0	0
Birds around site	0	1-10	0	0	1-10	1-10	0	0	0	0
Froth at shoreline	Nil	Moderate	Scant	Nil	Nil	Nil	Nil	Moderate	Nil	Nil
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)	Open	Closed	Closed	Open	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	2840	3240	4780	3280	4730	6910	6140	4270	4310	3300
Biovolume mm ³ /L	0.041	0.0582	0.182	0.113	0.0261	0.34	0.0771	0.17	0.183	0.0754
Proposed Recreational Alert Level*	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

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High risk/potential toxic Cyanophyta (cells/mL)**	374	624	2210	1170	68	4162	735	1795	2262	925
<i>Microcystis aeruginosa</i> (PTP)	238	416	1560	1170	68	3237	507	1795	1638	503
<i>Chry. ovalisporum</i> (PTP)	136	208	650	0	0	925	228	0	624	422
Other potential-risk Cyanophyta (cells/mL)**	340	78	137	377	0	129	0	476	130	143
<i>Geitlerinema spp</i> (PTP)	340	78	137	377	0	129	0	476	130	143
Low-risk Cyanophyta (cells/mL)**	2122	2535	2431	1736	4665	2618	5408	1999	1918	2231
<i>Aphanocapsa spp</i>	299	416	351	312	272	734	403	530	624	748
<i>Chroococcus spp</i>	82	39	208	39	41	82	0	136	39	68
<i>Spirulina spp</i>	0	0	0	0	0	0	0	245	0	109
<i>Merismopedia spp</i>	1741	2080	1872	1248	4352	1523	4576	1088	1040	1306
<i>Cyanogranis spp</i>	0	0	0	137	0	279	429	0	215	0

*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

**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.

