

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:					
Client:	NATIONAL CAPITAL AUTHORITY				19/01/2026					
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	19/01/26 10:20	19/01/26 07:50	19/01/26 07:20	19/01/26 10:05	19/01/26 08:15	19/01/26 09:40	19/01/26 09:30	19/01/26 07:35	19/01/26 9:55	19/01/26 08:00
Enterococci - Confirmed (MPN/100mL)	80	90	15	56	10	17	52	43	78	6
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Breezy	Breezy	Breezy	Breezy	Calm	Breezy	Breezy	Breezy	Breezy	Calm
Wind direction	Southeast	East	East	South	East	East	Southeast	East	East	East
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Choppy	Calm	Calm
Water Temperature (°C)	20.6	19.3	18.9	21.3	20	21	21.2	19.4	20.6	19.9
Turbidity (actual - NTU)	11.8	15.7	14.4	10.1	7.6	8.4	7.6	15.3	8.0	11.5
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	Sparse	Sparse
Floating green specks	Sparse	Healthy	Healthy	Healthy	Sparse	Healthy	Sparse	Healthy	Sparse	Sparse
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent
Birds on water	0	1-10	1-10	1-10	0	0	0	0	0	0
Birds around site	0	1-10	1-10	1-10	0	0	0	0	0	0
Froth at shoreline	Nil	Scant	Nil	Nil	Nil	Scant	Nil	Scant	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	Open	Open	Open	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	3390	56300	131000	1520	17100	12200	1890	23700	7120	26700
Biovolume mm ³ /L	0.0397	0.214	0.62	0.0755	0.278	0.276	0.0467	0.388	0.075	0.121

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High risk/potential toxic Cyanophyta (cells/mL)**	356	808	3344	827	2736	2831	485	3841	624	822
<i>Microcystis aeruginosa</i> (PTP)	356	808	3344	827	2736	2831	485	3841	624	208
<i>Chry. ovalisporum</i> (PTP)	0	0	0	0	0	0	0	0	0	614
Other potential-risk Cyanophyta (cells/mL)**	0	0	124	0	0	152	0	0	0	0
<i>Geitlerinema spp</i> (PTP)	0	0	124	0	0	152	0	0	0	0
Low-risk Cyanophyta (cells/mL)**	3030	55480	127072	694	14383	9253	1406	19879	6494	25878
<i>Aphanocapsa planktonica</i>	2911	54910	126027	504	13965	8740	1307	19404	6019	25225
<i>Chroococcus</i> (Small)	119	570	1045	190	418	513	99	475	475	653

*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.

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