

Summary table of field observations and cyanobacterial analysis.											
Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)					Sample Date: 13/07/2026			Job Name: CA2604151			
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	13/07/2026 10:00	13/07/2026 10:00	13/07/2026 7:15	13/07/2026 9:35	13/07/2026 8:05	13/07/2026 9:15	13/07/2026 9:00	13/07/2026 7:30	13/07/2026 9:25	13/07/2026 7:55	13/07/2026 9:50
Enterococci – Confirmed (MPN/100mL)	23	17	36	18	1	7	3	16	46	22	7
Weather conditions	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Wind conditions	Gusty	Calm	Gusty	Gusty	Gusty	Gusty	Gusty	Gusty	Gusty	Gusty	Gusty
Wind direction	Northwest	West	West	Northwest	West	Northwest	Northwest	West	Northwest	Northwest	Northwest
Water Surface	Choppy	Calm	Choppy	Choppy	Choppy	Calm	Choppy	Choppy	Choppy	Choppy	Choppy
Water Temperature °C	10.5	10.6	9.5	10.4	10.6	10.9	10.7	10.2	10.3	10.5	10.7
Turbidity (actual – NTU)	6.9	8.1	12.9	6.5	4.2	4.3	4.2	11.6	4.8	6.4	6.2
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Green	Brown	Green	Green	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	Absent	Sparse	Sparse	Sparse	Dense
Floating green specks	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Filamentous growth	Sparse	Sparse	Healthy	Sparse	Healthy	Sparse	Sparse	Healthy	Healthy	Sparse	Sparse
Birds on water	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0-10	0
Birds around site	0-10	0-10	0	0-10	0	0-10	0-10	0-10	0-10	0	0
Froth at shoreline	Scant	Nil	Nil	Moderate	Nil	Nil	Scant	Nil	Scant	Nil	Scant
Floating debris	Present	Present	Absent	Present	Absent	Absent	Present	Present	Absent	Present	Present
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
Total blue-green algae concentration (cells/mL)	1152	2121	714	583	707	503	672	1332	567	1166	875
Biovolume mm ³ /L	0.024	0.021	0.011	0.014	0.017	0.012	0.01	0.022	0.008	0.014	0.015
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)**	245	168	112	137	168	122	98	209	77	122	147
<i>Microcystis aeruginosa</i> (PTP)	245	168	112	137	168	122	98	209	77	122	147
Other potential-risk Cyanophyta (cells/mL)**	0	0	0	0	91	0	0	0	0	0	0
<i>Geitlerinema</i> spp (PTP)	0	0	0	0	91	0	0	0	0	0	0
Low-risk Cyanophyta (cells/mL)**	907	1953	602	446	448	381	574	1123	490	1044	728
<i>Aphanocapsa</i> spp	533	938	378	158	196	230	350	605	196	468	287
<i>Chroococcales</i> spp	374	1015	224	288	252	151	224	518	294	576	441

*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.