

Summary table of field observations and cyanobacterial analysis.											
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:			Job Name:			
Client:	NATIONAL CAPITAL AUTHORITY				24/08/2026 & 25/08/2026			CA2604896 & CA2605044			
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	24/08/2026 7:53	24/08/2026 8:43	24/08/2026 8:14	25/08/2026 11:30^	24/08/2026 9:13	24/08/2026 6:50	24/08/2026 7:06	24/08/2026 8:28	24/08/2026 7:20	24/08/2026 8:56	24/08/2026 7:44
Enterococci – Confirmed (MPN/100mL)	12	1	7	790^	<1	8	2	11	6	4	10
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Calm	Calm	Calm	Calm	Calm	Breezy	Calm	Breezy	Calm	Calm	Calm
Wind direction	Nil	East	East	Nil	East	East	Nil	East	Nil	East	Nil
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature °C	10.8	11.5	10.9	9.9	11.5	9.6	10.0	11.0	9.9	11.0	10.1
Turbidity (actual – NTU)	5.1	6.2	12.5	4.4	3.8	4.6	3.6	10.3	5.3	5.3	4.6
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Scums	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Macrophytes	Sparse	Sparse	Absent	Absent	Absent	Absent	Healthy	Absent	Absent	Sparse	Healthy
Floating green specks	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse	Sparse
Filamentous growth	Sparse	Absent	Absent	Sparse	Sparse	Sparse	Healthy	Absent	Sparse	Absent	Sparse
Birds on water	1-10	1-10	1-10	10+	1-10	1-10	0	1-10	1-10	1-10	1-10
Birds around site	1-10	1-10	1-10	10+	1-10	10+	1-10	1-10	1-10	1-10	10+
Froth at shoreline	Nil	Scant	Nil	Nil	Nil	Scant	Scant	Scant	Scant	Nil	Nil
Floating debris	Absent	Present	Absent	Absent	Absent	Present	Present	Present	Present	Present	Present
Oil/film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Closed	Closed	Open	Open	Open	Open	Open	No signs	Closed	Open	No signs
Total blue-green algae concentration (cells/mL)	1297	1280	3505	929	919	1345	1330	3245	1216	1295	1181
Biovolume mm³/L	0.0066	0.0044	0.0125	0.0028	0.0031	0.036	0.0155	0.0098	0.004	0.0045	0.0038
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	0	0	0	124	0	0	0	0	0
<i>Dolichospermum circinale</i> (PTP)	0	0	0	0	0	124	0	0	0	0	0
Other potential-risk Cyanophyta (cells/mL)**	130	0	68	0	0	65	47	103	0	0	0
<i>Geitlerinema amphibia</i> (PTP)	130	0	68	0	0	65	0	103	0	0	0
<i>Dolicho. straight</i> spp	0	0	0	0	0	0	47	0	0	0	0
Low-risk Cyanophyta (cells/mL)**	1167	1280	3437	929	919	1156	1283	3142	1216	1295	1181
<i>Aphanocapsa</i> spp	184	119	338	65	130	146	83	232	88	68	177
<i>Cyanocatena</i> spp	626	410	858	324	238	518	452	772	530	437	437
<i>Cyanogranis</i> spp	119	459	1326	421	324	308	582	1609	452	499	390
<i>Cyanonephron</i> spp	0	65	62	0	0	0	52	97	0	52	0
<i>Chroococcus</i> spp	238	227	853	119	227	184	114	432	146	239	177

*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.