Summary table of field observations and cyanobacterial analysis.										
Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)					Sample Date:					
Client: NATIONAL CAPITAL AUTHORITY				17/11/2025						
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	17/11/25 9:41	17/11/25 7:15	17/11/25 6:40	17/11/25 9:29	17/11/257:40	17/11/25 9:10	17/11/25 9:00	17/11/25 6:51	17/11/25 9:20	17/11/25 7:26
Enterococci – Confirmed (MPN/100mL)	110	19	37	140	19	130	6	10	31	51
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Strong	Breezy	Gusty	Strong	Strong	Strong	Strong	Strong	Gusty	Gusty
Wind direction	North	North	Northwest	North	Northwest	North	Northwest	North	North	Northwest
Water Surface	Choppy	Calm	Choppy	Waves	Calm	Calm	Choppy	Choppy	Waves	Waves
Water Temperature (°C)	17.9	17.7	15.6	17.5	16.9	17.7	17.3	17.5	17.8	15.8
Turbidity (actual - NTU)	23.2	27.6	19.7	24.3	19.3	24.2	17.7	24.1	26.1	23.6
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Brown	Brown	Brown	Brown	Brown	Clear	Brown	Green	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	Absent	Sparse	Sparse	Absent	Sparse	Absent	Sparse	Sparse	Absent
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	0	0	1-10	0	0	0	0
Birds around site	0	0	0	0	1-10	1-10	0	0	0	0
Froth at shoreline	Nil	Nil	Nil	Moderate	Moderate	Moderate	Moderate	Nil	Moderate	Moderate
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	Closed	Closed	Closed	Open	Open	Closed	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	943	1535	1700	1224	1002	774	1073	667	697	1164
Biovolume mm ³ /L	0.0179	0.0119	0.0110	0.0169	0.0098	0.0098	0.0117	0.0016	0.0144	0.0380
Proposed Recreational Alert Level*	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)					Sample Date:					-
Client: NATIONAL CAPITAL AUTHORITY				17/11/2025						
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
High risk/potential toxic Cyanophyta (cells/mL)**	65	85	88	156	65	78	78	0	137	390
Microcystis aeruginosa (PTP)	65	85	88	156	65	78	78	0	137	390
Other potential-risk Cyanophyta (cells/mL)**	169	65	48	82	169	65	267	0	0	182
Geitlerinema amphibium (PTP)	104	65	48	82	169	65	267	0	0	182
Phormidium small (PTP)	65	0	0	0	0	0	0	0	0	0
Low–risk Cyanophyta (cells/mL)**	709	1385	1564	986	768	631	728	667	560	592
Aphanocapsa spp	98	221	88	136	85	150	104	109	156	130
Chroococcus (Small)	52	78	82	82	52	65	39	41	130	52
Cyanogranis libera	156	423	218	170	228	234	182	163	124	189
Cyanocatena spp	195	403	333	163	403	182	195	136	150	221
Merismopedia spp	208	260	843	435	0	0	208	218	0	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 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.

I			