

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:					
Client:	NATIONAL CAPITAL AUTHORITY				12/01 & 13/01/2026^					
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	12/01/26 10:00	12/01/26 07:10	12/01/26 06:45	12/01/26 09:50	13/01/26 13:00^	12/01/26 09:25	12/01/26 09:10	12/01/26 07:00	13/01/26 13:20^	12/01/26 07:20
Enterococci - Confirmed (MPN/100mL)	19	40	10	140	10^	75	20	8	20^	8
Weather conditions	Clear	Overcast	Overcast	Clear	Clear	Clear	Clear	Overcast	Clear	Overcast
Wind conditions	Breezy	Breezy	Calm	Calm	Calm	Breezy	Calm	Breezy	Breezy	Calm
Wind direction	Northeast	East	N/A	Northeast	N/A	Northeast	North	Northeast	East	N/A
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	22.7	22	22.7	23.2	21.9	22.3	21.6	21.3	22.6	21.9
Turbidity (actual - NTU)	11.3	12.1	18.9	9.3	11.5	8.0	6.8	14.5	10.4	13.5
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	Absent
Floating green specks	Healthy	Healthy	Healthy	Healthy	Healthy	Healthy	Healthy	Healthy	Sparse	Healthy
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent
Birds on water	0	10+	0	0	10+	1-10	0	0	0	0
Birds around site	0	10+	0	0	10+	1-10	0	0	0	0
Froth at shoreline	Nil	Scant	Scant	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)	Closed	Advisory	Advisory	Advisory	Open	Advisory	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	930	10365	9702	1348	1521	4142	443	18202	2394	5529
Biovolume mm <sup>3</sup> /L	0.042	0.649	0.35	0.027	0.061	0.269	0.009	1.282	0.157	0.27
Proposed Recreational Alert Level*	Low	Medium	Low	Low	Low	Low	Low	Medium	Low	Low

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<b>High risk/potential toxic Cyanophyta (cells/mL)**</b>	<b>452</b>	<b>7286</b>	<b>3780</b>	<b>278</b>	<b>663</b>	<b>3045</b>	<b>90</b>	<b>14573</b>	<b>1782</b>	<b>2964</b>
<i>Microcystis aeruginosa (PTP)</i>	452	7286	3780	278	663	3045	90	14573	1782	2964
<b>Other potential-risk Cyanophyta (cells/mL)**</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>None identified</i>	0	0	0	0	0	0	0	0	0	0
<b>Low-risk Cyanophyta (cells/mL)**</b>	<b>478</b>	<b>3079</b>	<b>5922</b>	<b>1070</b>	<b>858</b>	<b>1097</b>	<b>353</b>	<b>3629</b>	<b>612</b>	<b>2565</b>
<i>Aphanocapsa spp</i>	191	1148	4464	757	226	418	128	2375	270	627
<i>Chroococcus (Small)</i>	104	713	1152	104	62	70	15	684	54	380
<i>Cyanocatena spp</i>	183	574	306	209	164	104	210	570	288	285
<i>Coelosphaerium spp</i>	0	644	0	0	406	505	0	0	0	1273

\*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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