

**Summary table of field observations and cyanobacterial analysis.**

<b>Sampling Run:</b>	LAKE BURLEY GRIFFIN (BEACH MONITORING)				<b>Sample Date:</b>			<b>Job Name:</b>			
<b>Client:</b>	NATIONAL CAPITAL AUTHORITY				30/03/2026						
<b>Site</b>	<b>Lotus Bay</b>	<b>Ferry Terminal</b>	<b>East Basin</b>	<b>Yarralumla Beach</b>	<b>Black Mountain Beach</b>	<b>Weston Park East</b>	<b>Weston Park West</b>	<b>Captain Cook Memorial Globe</b>	<b>Yarralumla Bay</b>	<b>Acton West</b>	<b>Floating Sauna</b>
<b>Site Code</b>	<b>LBG510</b>	<b>LBG511</b>	<b>LBG512</b>	<b>LBG514</b>	<b>LBG515</b>	<b>LBG516</b>	<b>LBG517</b>	<b>LBG538</b>	<b>LBG533</b>	<b>LBG539</b>	<b>LBG###</b>
<b>Sample Date/Time</b>	30/03/26 09:30	30/03/26 07:45	30/03/26 07:15	30/03/26 09:10	30/03/26 08:05	30/03/2026 08:50	30/03/26 08:40	30/03/26 07:30	30/03/26 09:00	30/03/26 07:55	30/03/26 09:20
Enterococci – Confirmed (MPN/100mL)	17	110	32	6	6	27	40	54	39	36	10
Weather conditions	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	NA	East	NA	NA	NA	NA	Southeast	East	NA	NA	NA
Water Surface	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Clear	Turbid	Turbid	Turbid	Turbid
Water Temperature (°C)	19.3	18.3	17.4	19.2	19.0	18.9	19.0	18.9	19.5	17.9	19.8
Turbidity (actual - NTU)	6.8	13.6	12.9	5.8	4.2	9.6	4.1	139.0	4.7	6.6	
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Green	Brown	Green	Brown	Brown	Green
Scums	Present	Present	Present	Present	Absent	Present	Absent	Present	Absent	Absent	Present
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Healthy	Absent	Absent
Floating green specks	Healthy	Healthy	Healthy	Healthy	Healthy	Dense	Sparse	Dense	Healthy	Healthy	Healthy
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	1-10	0	0	0	0	0	0	0	0	0
Birds around site	0	1-10	0	0	0	0	0	0	0	0	0
Froth at shoreline	Nil	Nil	Nil	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil
Floating debris	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Open	Closed	Open	Advisory	Open	Open	Open	No signs	Open	Open	No signs
Total blue-green algae concentration (cells/mL)	4876	17176	6468	23264	9698	13824	4124	<b>225767</b>	10221	9417	7927
Biovolume mm <sup>3</sup> /L	0.293	1.423	0.558	1.789	0.358	0.815	0.148	<b>19.601</b>	0.834	0.768	0.461
Proposed Recreational Alert Level*	Low	Medium	Medium	Medium	Low	Medium	Low	<b>Extreme</b>	Medium	Medium	Low

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Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539	LBG###
<b>High risk/potential toxic Cyanophyta (cells/mL)**</b>	<b>2847</b>	<b>15960</b>	<b>5723</b>	<b>20383</b>	<b>3808</b>	<b>8877</b>	<b>1489</b>	<b>223818</b>	<b>8943</b>	<b>8059</b>	<b>4218</b>
<i>Microcystis spp</i>	2847	15960	5723	20383	3808	8877	1489	223818	8943	8059	4218
<b>Other potential-risk Cyanophyta (cells/mL)**</b>	<b>650</b>	<b>122</b>	<b>234</b>	<b>46</b>	<b>76</b>	<b>144</b>	<b>58</b>	<b>496</b>	<b>212</b>	<b>248</b>	<b>350</b>
<i>Dolichospermum spp</i>	146	122	234	46	76	144	58	496	212	248	350
<i>Geitlerinema spp</i>	504	0	0	0	0	0	0	0	0	0	0
<b>Low-risk Cyanophyta (cells/mL)**</b>	<b>1379</b>	<b>1094</b>	<b>511</b>	<b>2835</b>	<b>5814</b>	<b>4803</b>	<b>2577</b>	<b>1453</b>	<b>1066</b>	<b>1110</b>	<b>3359</b>
<i>Aphanocapsa spp</i>	1226	395	248	2675	5594	4514	2453	694	767	212	2865
<i>Chroococcales spp</i>	153	699	263	160	220	289	124	759	299	898	494

*\*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).*

*\*\* 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.*