

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:	14/04/2025				
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
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
Sample Date/Time	14/04/25 09:25	14/04/25 07:34	14/04/25 06:50	14/04/25 09:07	14/04/25 08:04	14/04/25 08:49	14/04/25 08:36	14/04/25 07:14	14/04/25 09:01	14/04/25 07:46
Enterococci – Confirmed (MPN/100mL)	40	248	59	100	170	124	24	16	4	52
Weather conditions	Clear	Overcast	Overcast	Clear	Overcast	Clear	Clear	Overcast	Clear	Overcast
Wind conditions	Breezy	Breezy	Breezy	Breezy	Breezy	Breezy	Calm	Breezy	Breezy	Calm
Wind direction	North East	North West	Nil	North East	North West	North East	Nil	North West	North East	Nil
Water Surface	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Water Temperature (°C)	19.2	16.0	17.1	18.9	18.0	18.8	19.0	16.8	19.2	17.6
Turbidity (actual - NTU)	5.2	157	7.3	4.3	10.8	5.9	2.2	43.2	3.2	4
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Green	Green	Clear	Brown	Green	Green	Clear	Green	Green	Clear
Scums	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Sparse	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Floating green specks	Sparse	Dense	Sparse	Sparse	Absent	Healthy	Absent	Dense	Healthy	Absent
Filamentous growth	Absent	Healthy	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	0	0	0	10+	10+	10+	0	0	0	0
Birds around site	0	0	0	10+	10+	0	0	0	0	10+
Froth at shoreline	Scant	Moderate	Nil	Scant	Scant	Nil	Nil	Scant	Nil	Nil
Floating debris	Absent	Present	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)	Open	Open	Open	Open	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	10800	2950000	14300	18200	9000	171000	5670	345000	12800	12500
Biovolume mm ³ /L	1.20	705.00	1.99	1.75	0.48	41.40	0.60	48.50	0.95	1.41

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High - risk Cyanophyta (cells/mL)	8604	2947898	12018	10585	2172	167688	3283	343350	7248	10266
Microcystis aeruginosa (PTP)	5904	195938	6264	7569	696	4104	1949	228900	5928	7290
Dolichospermum circinale (PTP)	2700	2751960	5754	3016	1476	163584	1334	114450	1320	2976
Potential-risk Cyanophyta (cells/mL)	210	1083	0	2215	1368	546	1009	872	804	618
Sphaerospermopsis spp	0	513	0	0	0	0	249	283	0	246
Geitlerinema amphibium (PTP)	210	570	0	487	1008	0	302	589	324	372
Chrysosporum spp (PTP)	0	0	0	0	360	0	180	0	0	0
Phormidium spp	0	0	0	1206	0	234	162	0	324	0
Dolichospermum straight	0	0	0	522	0	312	116	0	156	0
Low-risk Cyanophyta (cells/mL)	2016	3591	2262	5377	5460	2622	1381	774	4746	1614
Chroococcus (Small)	0	114	0	0	0	0	0	65	0	0
Aphanocapsa Small <2	504	1596	464	2390	1128	930	766	709	2052	480
Cyanocatena spp	552	0	1131	1479	2736	864	313	0	1164	504
Cyanogranis libera	960	0	667	1508	1596	828	302	0	1530	630
Coelosphaerium spp	0	1881	0	0	0	0	0	0	0	0