

Summary table of field observations and cyanobacterial analysis.

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONTORING)

Sample Date: 8/04/2024

Job Name:

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	Yarralumla Bay	Acton West
<i>Site Code</i>	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
<i>Sample Date/Time</i>	8/04/2024 9:53	8/04/2024 7:54	8/04/2024 7:22	8/04/2024 9:40	8/04/2024 8:21	8/04/2024 9:03	8/04/2024 8:47	8/04/2024 7:40	8/04/2024 9:29	8/04/2024 8:06
Enterococci – Confirmed (MPN/100mL)	112	1520	302	296	120	190	180	180	74	64
Weather conditions	Overcast	Rain	Overcast	Overcast	Overcast	Overcast	Overcast	Rain	Overcast	Overcast
Wind conditions	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm
Wind direction	East	NA	East	East	NA	East	East	NA	East	East
Water Surface	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid	Turbid
Water Temperature (°C)	20	18.6	17.9	19.7	19.2	19.2	20.1	18.5	19.6	19.1
Turbidity (actual - NTU)	5.6	5.2	7.8	12.7	4	5.2	3.8	6.1	4.9	5.9
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Visible Algal Scums	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Dense	Sparse	Sparse	Sparse	Sparse	Sparse	Dense	Sparse	Dense	Dense
Floating green specks	Sparse	Absent	Absent	Dense	Absent	Sparse	Absent	Sparse	Absent	Absent
Filamentous growth	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Birds on water	10+	1-10	1-10	10+	0	10+	10+	1-10	1-10	0
Birds around site	10+	1-10	10+	10+	10+	10+	10+	1-10	1-10	0
Froth at shoreline	Nil	Nil	Nil	Scant	Nil	Nil	Nil	Nil	Nil	Nil
Floating debris	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Present
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent	Absent
Total blue-green algae concentration (cells/mL)	3563	2168	2956	53560	15177	3745	3731	2483	5278	1942
Biovolume mm ³ /L	0.226	0.187	0.147	10	1.86	0.306	0.452	0.208	0.485	0.102

Sampling Run: LAKE BURLEY GRIFFIN (BEACH MONITORING)

Sample Date: 8/04/2024

Job Name: 0

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	Yarralumla Bay	Acton West
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
High - risk Cyanophyta (cells/mL)	511	876	1350	44194	8994	1621	2343	796	2344	511
<i>Dolichospermum circinale</i> (PTP)	0	569	153	29886	6548	628	1445	621	1643	219
<i>Microcystis cf aeruginosa</i> (PTP)	511	307	1197	14308	2446	993	898	175	701	292
Potential-risk Cyanophyta (cells/mL)	832	256	175	4256	80	738	168	628	117	278
<i>Sphaerospermopsis spp</i>										88
<i>Geitlerinema spp</i> (PTP)			175	387	80					
<i>Phormidium spp</i>	832					117				
<i>Cuspidothrix spp</i>		256				621	168	628	117	190
<i>Dolichospermum crassum</i>				3869						
Low-risk Cyanophyta (cells/mL)	2220	1036	1431	5110	6103	1386	1220	1059	2817	1153
<i>Aphanocapsa spp</i>	336	153	1007	3285	4672	496	657	453	1080	496
<i>Cyanocatena spp</i>	745	584	263	1533	730	277	329	256	934	350
<i>Cyanogranis spp</i>	1139	299	161	292	701	613	234	350	803	307

