

Summary table of field observations and cyanobacterial analysis.										
Sampling Run:	LAKE BURLEY GRIFFIN (BEACH MONITORING)				Sample Date:	18/11/2024	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 Globe	Yarralumla Bay	Acton West
Site Code	LBG510	LBG511	LBG512	LBG514	LBG515	LBG516	LBG517	LBG538	LBG533	LBG539
Sample Date/Time	18/11/24 10:07	18/11/24 07:50	18/11/24 07:30	18/11/24 09:40	18/11/24 08:30	18/11/24 09:11	18/11/24 09:04	18/11/24 07:40	18/11/24 9:35	18/11/24 07:59
Enterococci – Confirmed (MPN/100mL)	55	56	560	1920	140	1000	12	180	55	15
Weather conditions	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Wind conditions	Breezy	Breezy	Breezy	Gusty	Breezy	Breezy	Breezy	Breezy	Gusty	Breezy
Wind direction	North	West	West	North	West	Northwest	Northwest	West	Northwest	West
Water Surface	Choppy	Calm	Choppy	Choppy	Calm	Calm	Calm	Calm	Choppy	Calm
Water Temperature (°C)	23.1	20.4	19.7	22.4	20.9	22.9	19.8	21.5	21.9	20.2
Turbidity (actual - NTU)	7	4.6	9.5	5.4	2.8	3.2	2.6	6.7	4.2	4.8
Odour	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Apparent Colour	Brown	Yellow	Brown	Yellow	Yellow	Yellow	Yellow	Green	Brown	Yellow
Scums	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent
Macrophytes	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Absent
Floating green specks	Absent	Sparse	Absent	Sparse	Sparse	Absent	Sparse	Sparse	Sparse	Sparse
Filamentous growth	Absent	Sparse	Absent	Absent	Absent	Absent	Absent	Sparse	Absent	Sparse
Birds on water	0	0	1-10	0	0	10+	0	0	0	1-10
Birds around site	0	0	1-10	0	0	0	0	0	0	0
Froth at shoreline	Scant	Nil	Nil	Moderate	Nil	Nil	Moderate	Scant	Scant	Nil
Floating debris	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent	Absent
Oily film	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
Sign Observed (Open, Closed, No Sign)	Closed	No signs	Open	Closed	Open	Open	Open	No signs	Open	Open
Total blue-green algae concentration (cells/mL)	662	429	714	488	240	426	440	396	492	770
Biovolume mm ³ /L	0.0047	0.0017	0.0022	0.0071	0.0006	0.001	0.0108	0.0009	0.0019	0.0064

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High - risk Cyanophyta (cells/mL)	35	0	0	70	0	0	116	0	0	46
<i>Microcystis aeruginosa (PTP)</i>	35			70			116			46
Potential-risk Cyanophyta (cells/mL)	0	70	58	0	0	0	0	0	46	75
<i>Geitlerinema amphibium (PTP)</i>		70	58						46	75
Low-risk Cyanophyta (cells/mL)	627	359	656	418	240	426	324	396	446	649
<i>Aphanocapsa</i> Small <2	116	0	70	75	36	72	46	54	104	133
<i>Chroococcus</i> (Small)	35	0	23	12	12			0	23	23
<i>Cyanocatena</i> spp	174	139	203	157	72	174	116	150	174	168
<i>Cyanogranis libera</i>	302	220	360	174	120	180	162	192	145	325