

Summary table of field observations and cyanobacterial analysis.

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|---|--|-----------------------|-------------------|-------------------------|-----------------------------|-------------------------|-------------------------|------------------------------------|-----------------------|-------------------|--|
| 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 ³ /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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|---|--|----------------|------------|------------------|---------------------------------|------------------|------------------|-----------------------------|----------------|------------|--|
| 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 | |
| High risk/potential toxic Cyanophyta (cells/mL)** | 452 | 7286 | 3780 | 278 | 663 | 3045 | 90 | 14573 | 1782 | 2964 | |
| Microcystis aeruginosa (PTP) | 452 | 7286 | 3780 | 278 | 663 | 3045 | 90 | 14573 | 1782 | 2964 | |
| Other potential-risk Cyanophyta (cells/mL)** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| None identified | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Low-risk Cyanophyta (cells/mL)** | 478 | 3079 | 5922 | 1070 | 858 | 1097 | 353 | 3629 | 612 | 2565 | |
| Aphanocapsa spp | 191 | 1148 | 4464 | 757 | 226 | 418 | 128 | 2375 | 270 | 627 | |
| Chroococcus (Small) | 104 | 713 | 1152 | 104 | 62 | 70 | 15 | 684 | 54 | 380 | |
| Cyanocatena spp | 183 | 574 | 306 | 209 | 164 | 104 | 210 | 570 | 288 | 285 | |
| Coelosphaerium spp | 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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