

Horizontal Datum: OS National Grid (OSTN15)
 Vertical Datum: ODN (OSGM15)
 Units: Metres

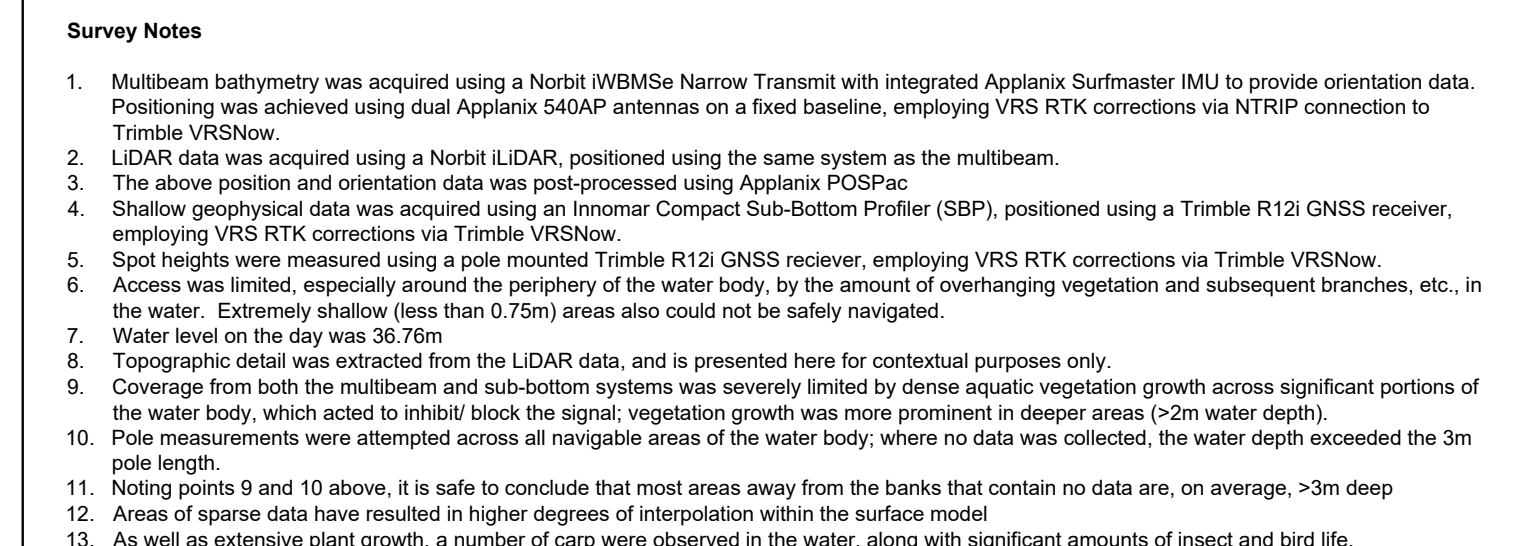


Figure 1 illustrates the relationship between contour intervals and elevation. The vertical color bar on the right shows elevation values from 12.00m to 34.25m. The major contour interval is 2.0m, and the minor contour interval is 0.5m. The tree canopy is shown as a green line. The sounding (ODN elevation) is shown as a blue line with a value of 22.55.

[illegible]

Prepared for: Mace Group								
Survey Date: 09/08/2023								
Drawing Reference	Rev	Date	Description	Filename	Drawn By	Field QC	Office QC	Approved By
3162-BS01-D01-B01	D01	19/08/2023	First Issue	3162-BS01-D01.dwg	JWJ	JWJ	JWJ	Kbu

Appendix 11 – Water Quality Survey of Broadwater Lake (London Borough of Hillingdon)

WATER QUALITY DATA – BATHING WATER

COLLECTED BY LONDON BOROUGH OF HILLINGDON



JOHNS
ASSOCIATES

- ▬ Project Boundary
- External WQ Sampling Locations

CLIENT London Borough of Hillingdon

PROJECT Broad water Lake Post-Submission Water

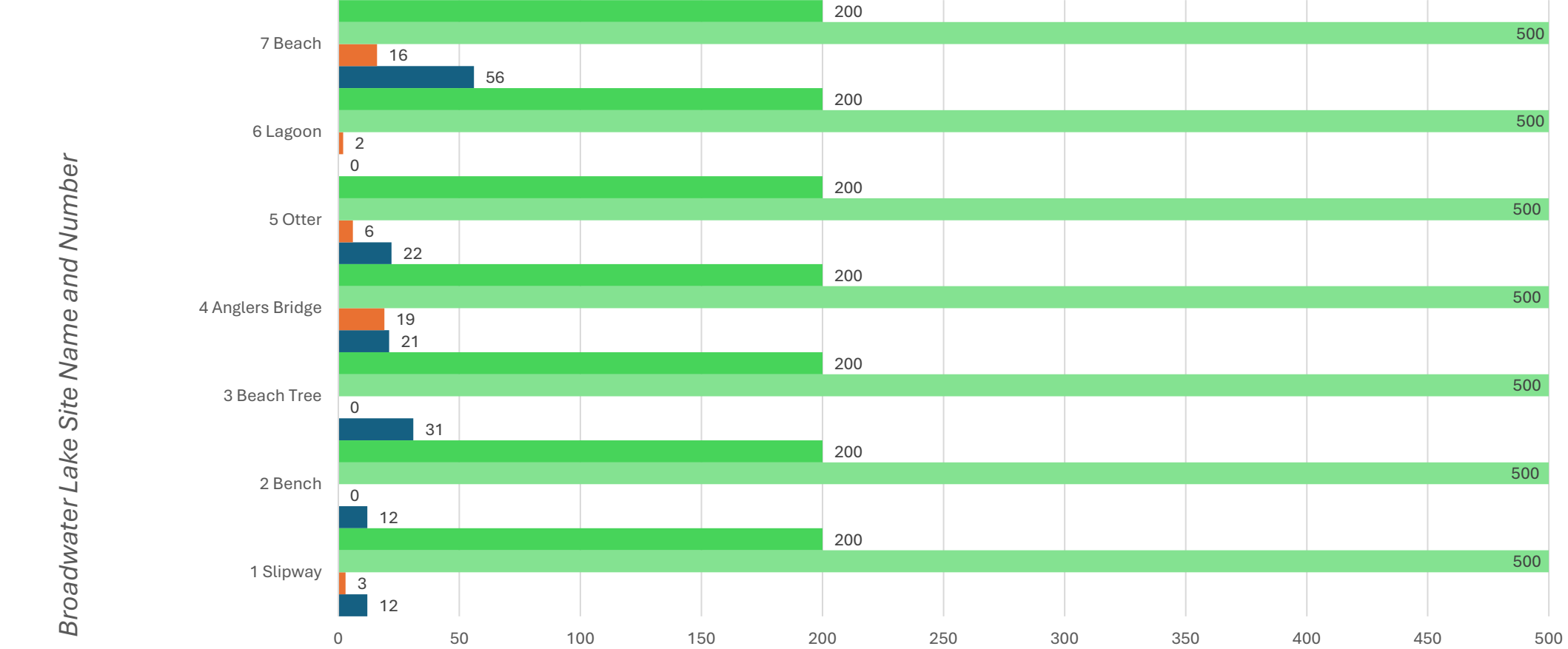
TITLE External Sample Locations

SCALE @ A3	CREATED BY	CHECKED BY
1:7,500	AR	MJ
REFERENCE	REVISION	DATE ISSUED
J01596-004		11/7/2025

This drawing is subject to copyright and is not to be reproduced, retained nor disclosed to any unauthorized person either wholly or in part without the consent of Johns Associates. Do not scale from this drawing.

	Date	Slipway	Bench	Beach Tree	Life Buoy	Anglers bridge	Otter Beach	Lagoon		Beach
Total Coliforms	12/11/2024	109	66	145		53	83	11		165
Total Coliforms	16/12/2024	43	73	64		150	613	105		33
Total Coliforms	17/01/2025	378	150	147	154	74	78	117		
Total Coliforms	18/02/2025	20	13	14	11	16	11	88		
Escherichia coli	12/11/2024	12	12	31		21	22	0		56
Escherichia coli	16/12/2024	35	29	29		69	435	25		11
Escherichia coli	17/01/2025	120	49	79	62	20	31	44		
Escherichia coli	18/02/2025	1	0	0	0	0	3	12		
Intestinal enterococci	12/11/2024	3	0	0		19	6	2		16
Intestinal enterococci	16/12/2024	11	12	14		29	75	12		7
Intestinal enterococci	17/01/2025	42	11	9	5	12	16	1		
Intestinal enterococci	18/02/2025	0	0	2	0	1	0	5		
Clostridium perfringens	16/12/2024	100	100	100		32	33	21		19
Clostridium perfringens	17/01/2025	17	9	14	11	6	15	0		
Clostridium perfringens	18/02/2025	1	12	17	13	6	15	11		

12/11/24 Escherichia Coli (EC) and Intestinal Enterococci (IE) Concentrations across Broadwater Lake - Plotted Against Environment Agency Thresholds for 'Excellent' Inland Bathing Water Quality.



	1 Slipway	2 Bench	3 Beach Tree	4 Anglers Bridge	5 Otter	6 Lagoon	7 Beach
EA 'Excellent' IE Threshold	200	200	200	200	200	200	200
EA 'Excellent' EC Threshold	500	500	500	500	500	500	500
Intestinal enterococci [IE] (CFU/100ml)	3	0	0	19	6	2	16
Escherichia coli [EC] (CFU/100ml)	12	12	31	21	22	0	56

Sample Site Escherichia Coli (EC) and Intestinal Enterococci (IE) Concentrations and Environment Agency Thresholds

EA 'Excellent' IE Threshold EA 'Excellent' EC Threshold Intestinal enterococci [IE] (CFU/100ml) Escherichia coli [EC] (CFU/100ml)

Appendix 12 – Bathymetric Survey of Ruislip Lido