

Air Quality and Dust Monitoring Monthly Report – September 2023

City of Westminster



Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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A report prepared by EWCs and MWCCs on behalf of HS2 Ltd.

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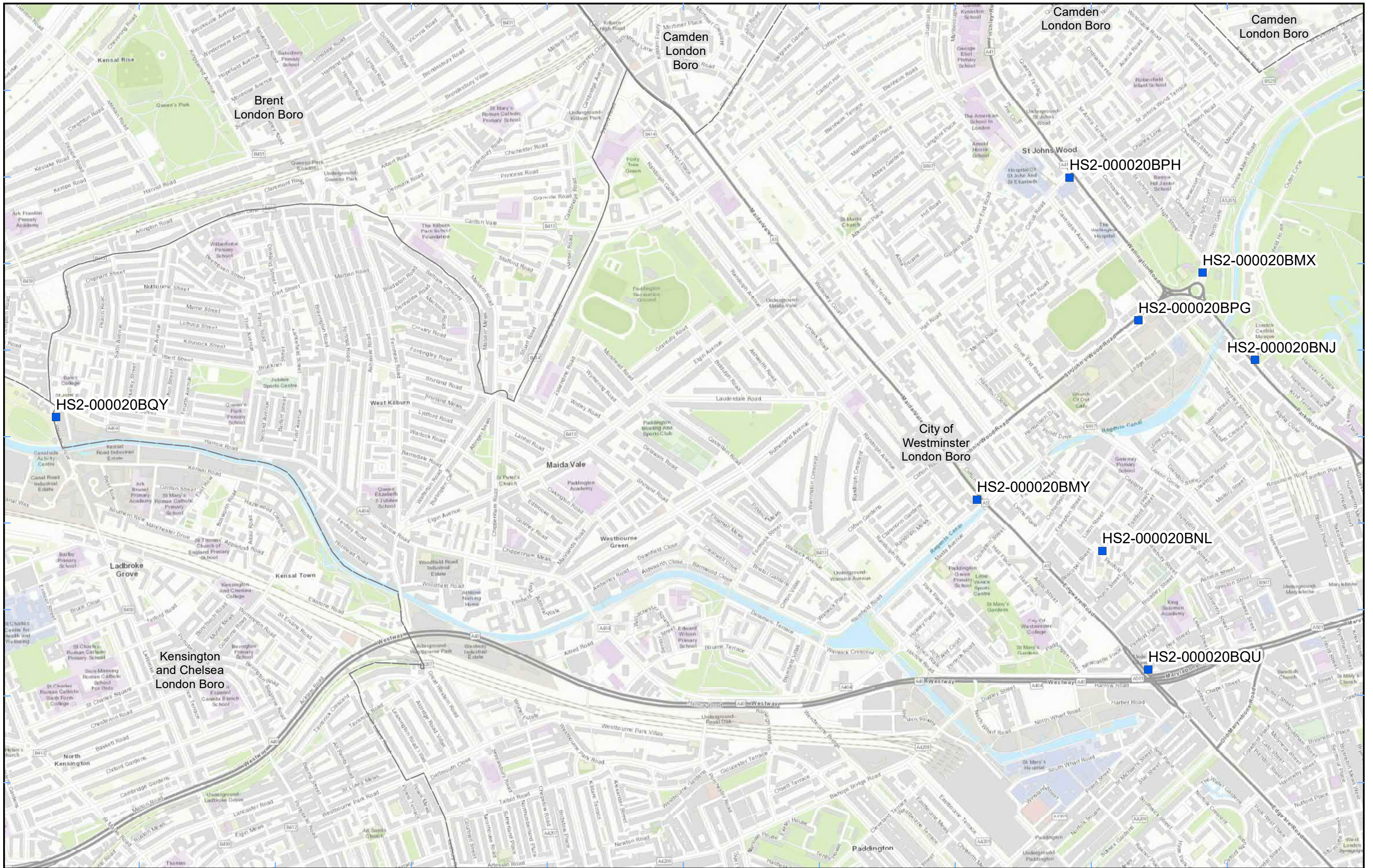
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Monthly Summary

- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality monitoring undertaken in the City of Westminster (CoW) during August 2023.
- 1.1.2 Figure 1 and Figure 2 in Appendix A indicate the current air quality monitoring locations.
- 1.1.3 This summary should be read in conjunction with the overview monitoring report available from www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2, which highlights: the applicable standards and guidance, as well as the air quality and dust monitoring methodologies to be implemented by nominated undertakers throughout construction.
- 1.1.4 There are no current worksites located within the CoW. Therefore, no dust monitoring has been carried out.
- 1.1.5 Diffusion tube monitoring of Nitrogen Dioxide (NO₂) was undertaken at thirteen (13) locations around highways within the CoW as part of the management of air quality where significant effects may occur as a result of the scheme.
- 1.1.6 Diffusion tube monitoring results are provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on the results to date, no unexpected values were recorded during the monitoring period.
- 1.1.7 NO₂ monitoring locations and results are presented in Appendix B, Table 1, together with the 2023 running mean.
- 1.1.8 There were no (0) complaints received during this reporting period (September 2023).

Appendix A –Monitoring Locations

Figure 1 and 2: Current monitoring locations within the CoW



Legend
■ Diffusion Tube
 District Borough Unitary Boundaries

Map Number
 Map Name
**Monitoring Locations In CoW
 (Sheet 1)**
City of Westminster

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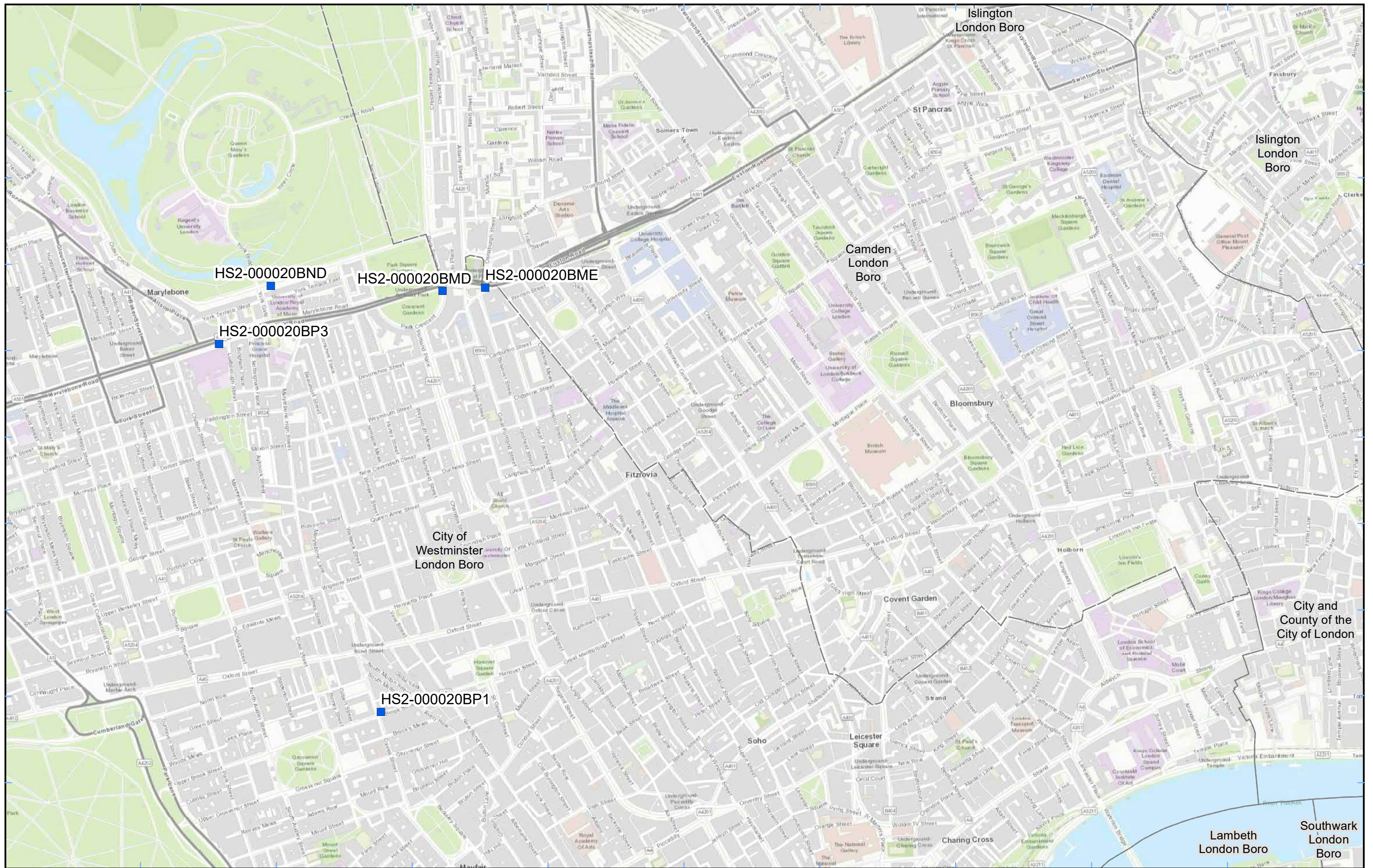
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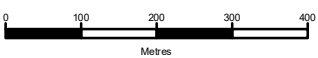


Legend
 ■ Diffusion Tube
 □ District Borough Unitary Boundaries

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Map Number
 Map Name
Monitoring Locations In CoW (Sheet 2)
 City of Westminster


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Appendix B – Air Quality Monitoring Results

Table 1: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2023 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹
HS2-000020BMD	Lamp post on Park Crescent Road	528776, 182170	45	52	43	Tube Missing	45	50	34	40					44
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	52	68	69	60	61	64	46	52					59
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	41	43	34	32	29	24	28	30					33
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	47	50	30	32	30	30	30	Tube Missing					36
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	32	36	24	22	17	12	Tube Missing	20					23
HS2-000020BNJ	Light post on Park Road	527359, 182633	46	50	41	30	31	Tube Missing	33	Tube Missing					38

¹ Note: to aid interpretation and conform with best practice, the monthly measurements in this table are reported rounded to the nearest whole number. The annual mean presented here is calculated based on laboratory data to 4 significant figures, rounded to a whole number, and therefore may differ slightly to a mean derived from averaging the rounded monthly measurements in the table.

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ¹
HS2-000020BNL	Lamp post on Penfold Street	526914, 182077	29	38	26	27	22	22	20	20					26
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	50	47	Tube Missing	37	33	36	27	32					37
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	28	43	28	30	26	28	Tube Missing	22					29
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	41	43	30	22	24	Tube Missing	23	26					30
HS2-000020BQU	Lamp post outside Edgware Road Station	527048, 181731	41	60	48	49	51	49	Tube Missing	47					49
HS2-000020BQY	Sign post on Ladbroke Grove	523867, 182466	42	37	34	41	39	40	25	33					36
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	57	54	43	45	38	47	44	42					46