

Air Quality and Dust Monitoring Monthly Report – January 2022

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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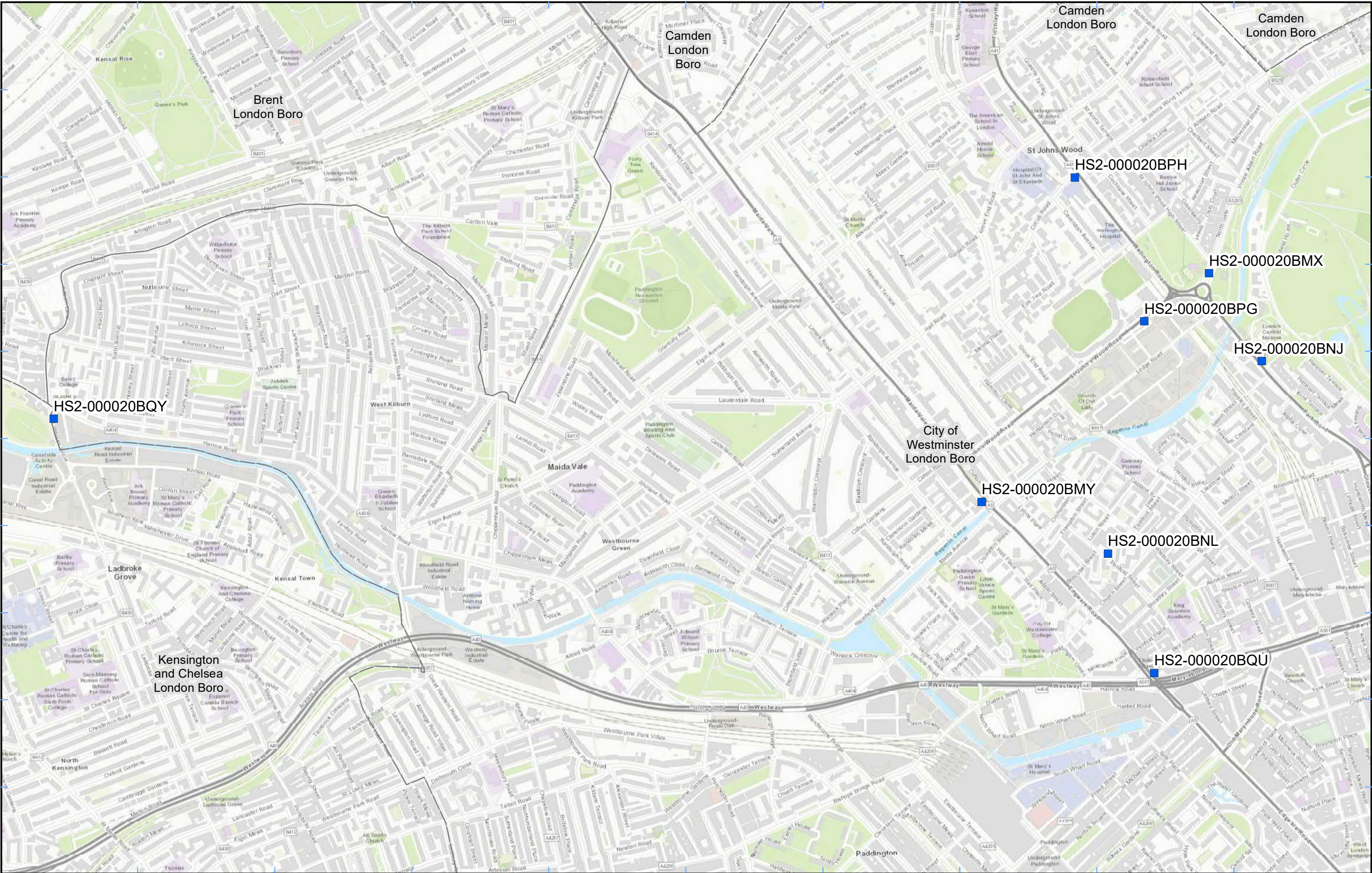
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Monthly Summary

- 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 December 2021.
- 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) is 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 as 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 2021 running mean.
- 1.1.8 There were no (0) complaints received during this reporting period.

Appendix A –Monitoring Locations

Figure 1 and 2: Current monitoring locations within the COW



Legend

Diffusion Tube

District Borough Unitary Boundaries

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Map Number

Map Name

Monitoring Locations In CoW
(Sheet 1)

City of Westminster

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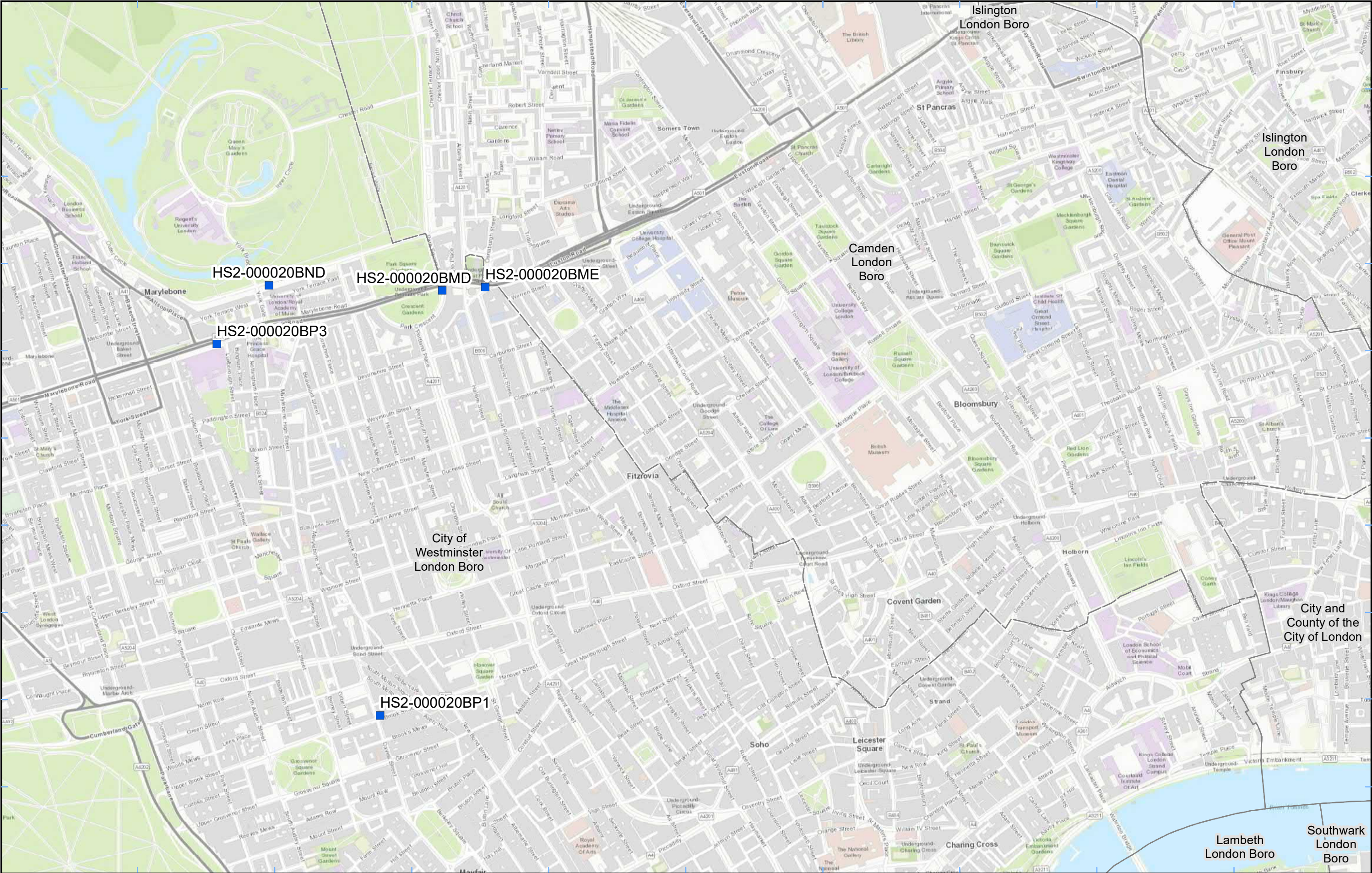
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Legend

- Diffusion Tube
- District Borough Unitary Boundaries


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Map Number

Map Name

**Monitoring Locations In CoW
(Sheet 2)**


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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 2021 (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	48	55	40	53	48	44	30	36	63	48	51	47	47
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	61	68	56	66	64	66	No Data	54	71	69	55	63	63
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	41	38	32	30	36	28	26	Tube Missing	39	41	27	34	34
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	52	45	41	41	39	36	No Data	26	46	40	49	41	41
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	39	38	29	25	27	19	No Data	21	27	34	Tube Missing	29	29
HS2-000020BNJ	Light post on Park Road	527359, 182633	50	46	Tube Missing	39	Tube Missing	35	35	35	41	48	48	42	42

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	34	36	31	29	28	24	25	21	Tube Missing	34	38	31	30
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	45	44	Tube Missing	42	40	30	No Data	30	47	44	55	43	42
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	41	42	33	36	33	30	22	26	41	35	38	34	34
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	46	38	32	29	31	28	24	Tube Missing	38	42	42	35	35
HS2-000020BQU	Lamppost outside Edgware Road Station	527048, 181731	64	61	58	62	56	53	51	49	69	48	67	58	58
HS2-000020BQY	Sign post on Ladbroke Grove	523867, 182466	48	51	44	53	47	36	No Data	29	Tube Missing	46	47	45	45
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	62	68	56	57	66	49	No Data	37	64	71	61	60	59