

Air Quality and Dust Monitoring Monthly Report – **October** 2020

City of Westminster



SKANSKA



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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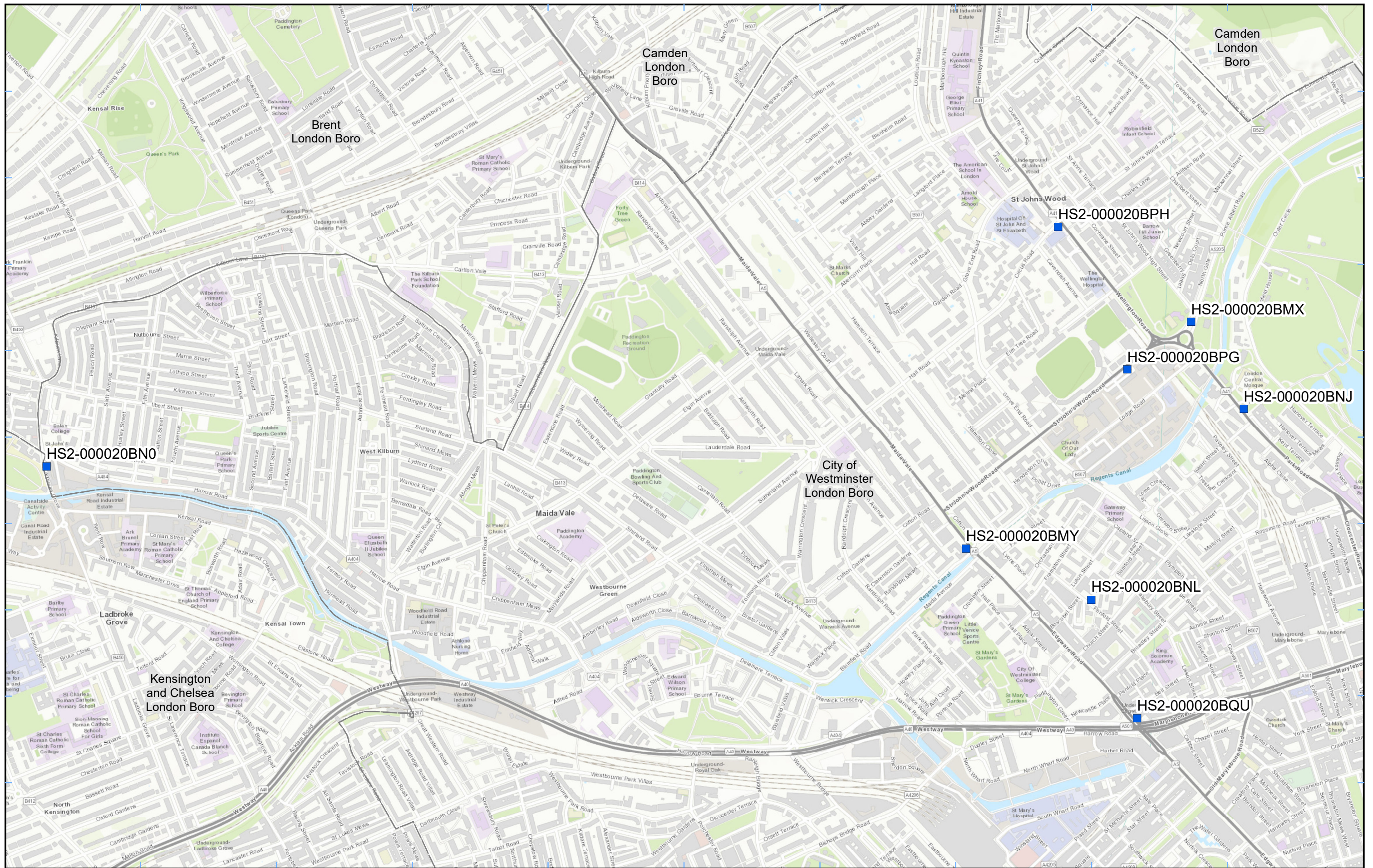
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Monthly Summary

- 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 September 2020.
- 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 2020 running mean.
- 1.1.8 There were no (0) complaints received, relating to air quality, during this reporting period (October 2020).

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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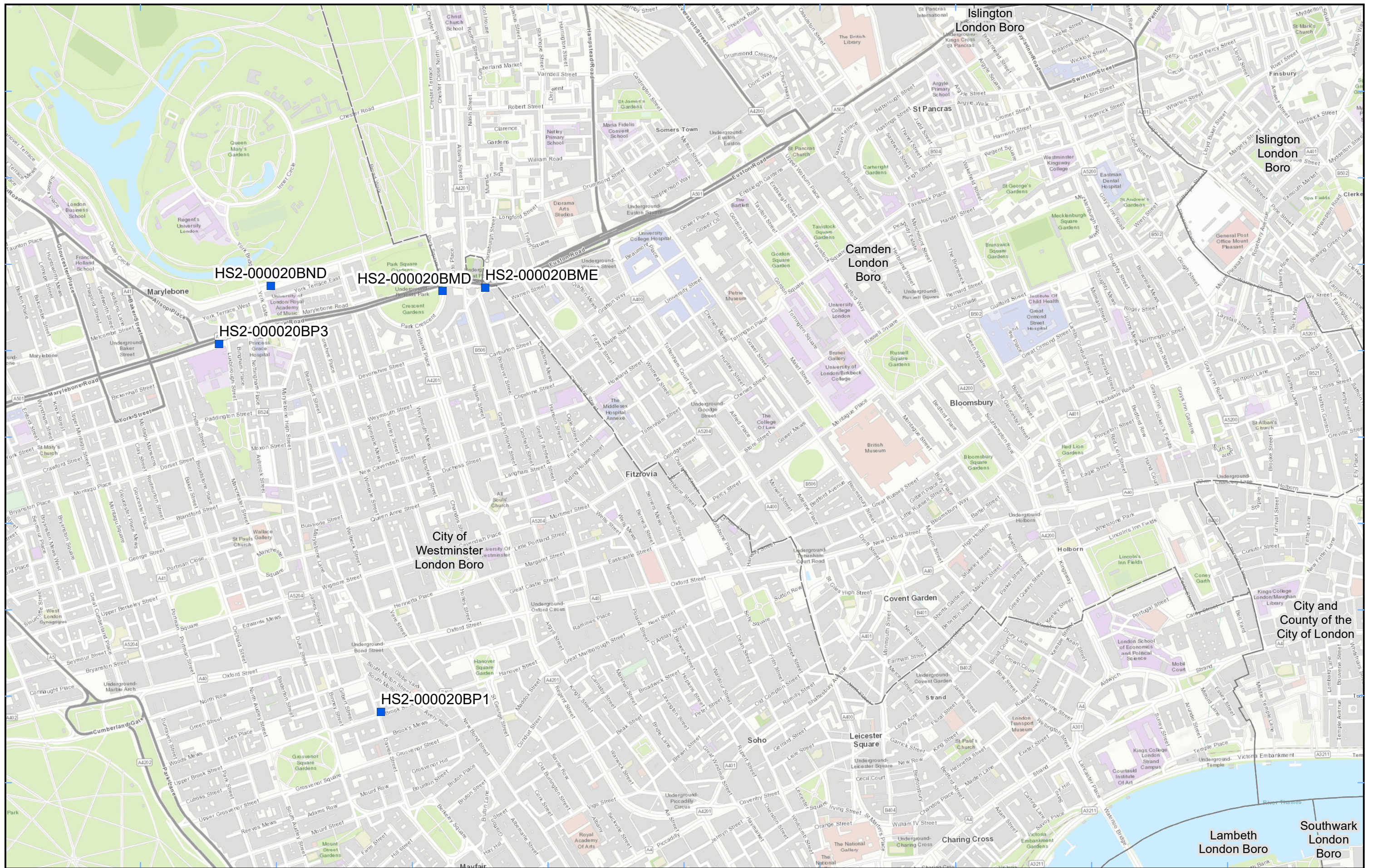
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Legend
 ■ Diffusion Tube
 □ District Borough Unitary Boundaries

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 2020 (µg/m³)

Monitoring Site ID	Location description	Coordinates (X, Y)	Jan	Feb	Mar ¹	Apr ¹	May ¹	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ²
HS2-000020BMD	Lamp post on Park Crescent Road	528776, 182170	60	Tube missing	No data			40	30	47	48				45
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	Tube missing	69	No data			53	37	60	59				56
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	55	43	No data			Tube missing	24	31	36				38
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	57	Tube missing	No data			32	28	39	44				40
HS2-000020BN0	Lamp post on Ladbroke Grove	523869, 182465	52	42	No data			42	22	47	46				42
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	45	39	No data			Tube missing	18	22	28				30
HS2-000020BNJ	Light post on Park Road	527359, 182633	58	49	No data			35	Tube missing	35	39				43
HS2-000020BNL	Lamp post on Penfold Street	526914, 182077	47	37	No data			25	19	27	33				31
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	56	48	No data			28	22	37	43				39

¹ Note: Due to the Covid-19 pandemic and government lockdown it was not possible to conduct diffusion tube air quality monitoring during March, April and May 2020.

² 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 ¹	Apr ¹	May ¹	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Mean ²
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	45	33	No data			30	16	30	31				31
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	48	41	No data			26	20	28	34				33
HS2-000020BQU	Lamp post outside Edgware Road Station	527048, 181731	65	51	No data			44	35	54	63				52
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	76	74	No data			43	36	46	49				54