

Air Quality and Dust Monitoring Monthly Report – April 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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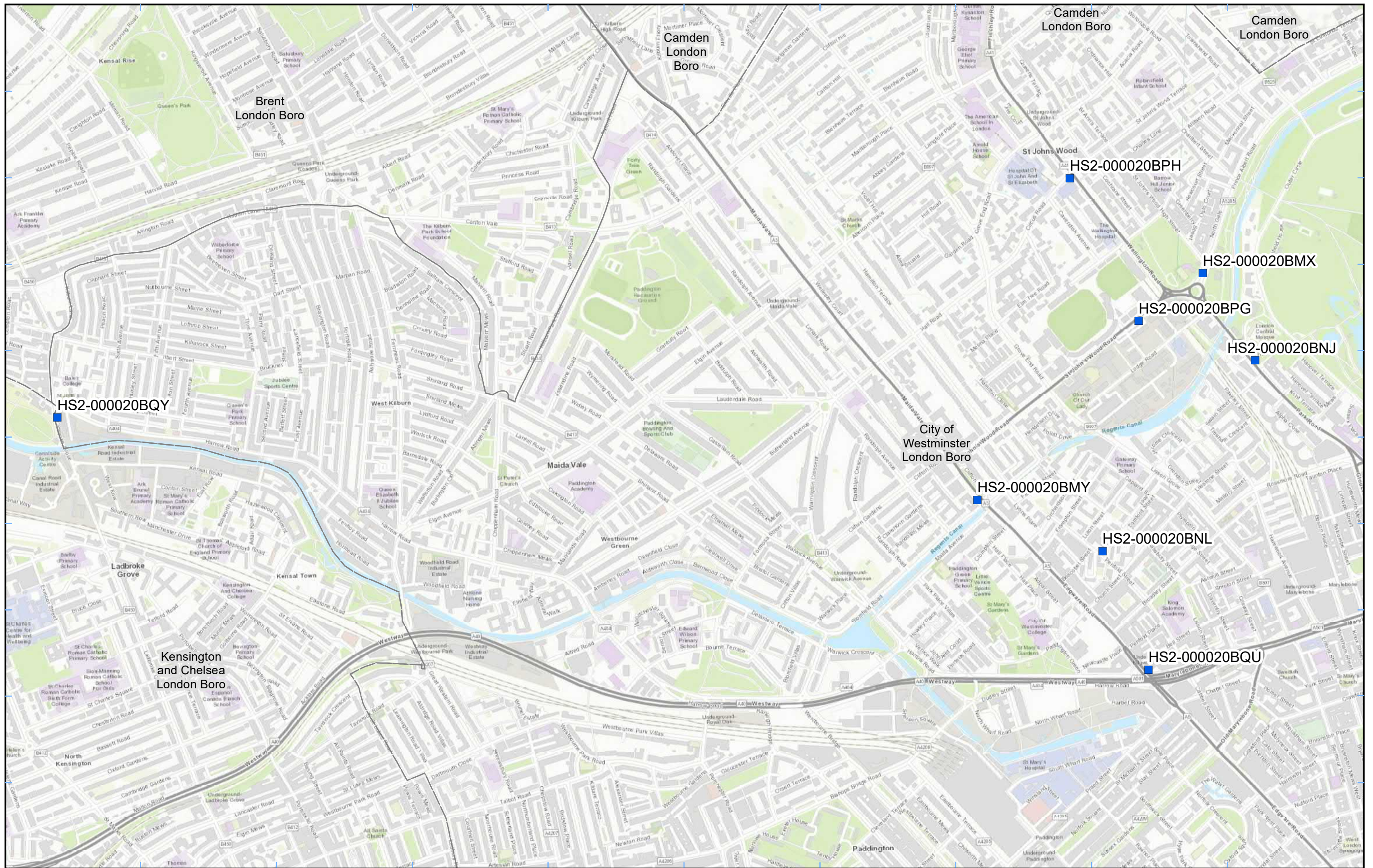
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Monthly Summary

- 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 March 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 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 2023 running mean.
- 1.1.8 There were no (0) complaints received during this reporting period (April 2023).

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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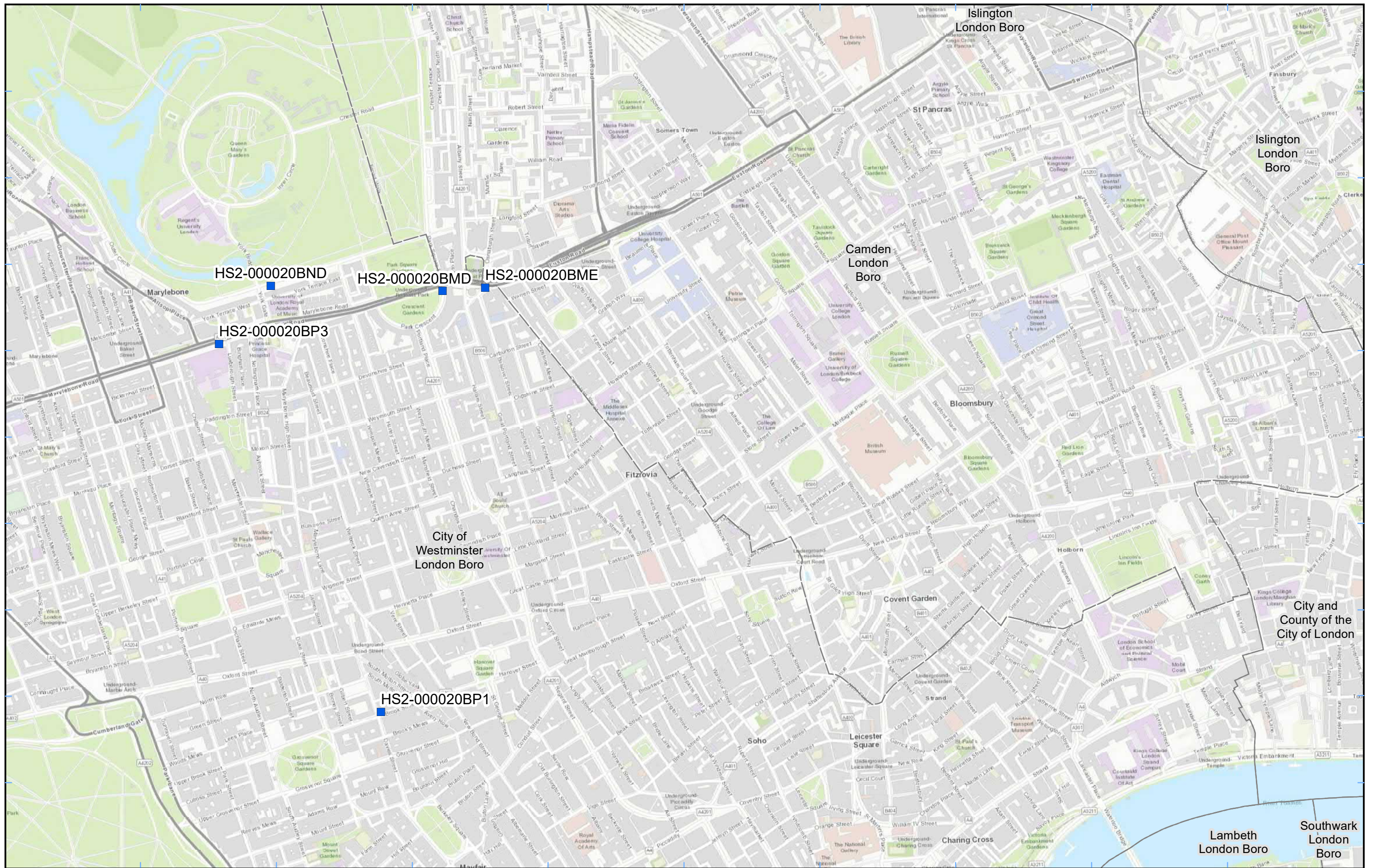


Scale at A3: 1:10,000



Metres

Date: 03/03/21



Legend
■ Diffusion Tube
 District Borough Unitary Boundaries

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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										47
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	52	68	69										63
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	41	43	34										39
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	47	50	30										42
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	32	36	24										31
HS2-000020BNJ	Light post on Park Road	527359, 182633	46	50	41										46

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										31
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	50	47	Tube Missing										48
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	28	43	28										33
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	41	43	30										38
HS2-000020BQU	Lamppost outside Edgware Road Station	527048, 181731	41	60	48										50
HS2-000020BQY	Sign post on Ladbroke Grove	523867, 182466	42	37	34										38
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	57	54	43										51