

Air Quality and Dust Monitoring Monthly Report – August 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.

High Speed Two (HS2) Limited,
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.gov.uk/hs2

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

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2021, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v2.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/2 **OGI** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



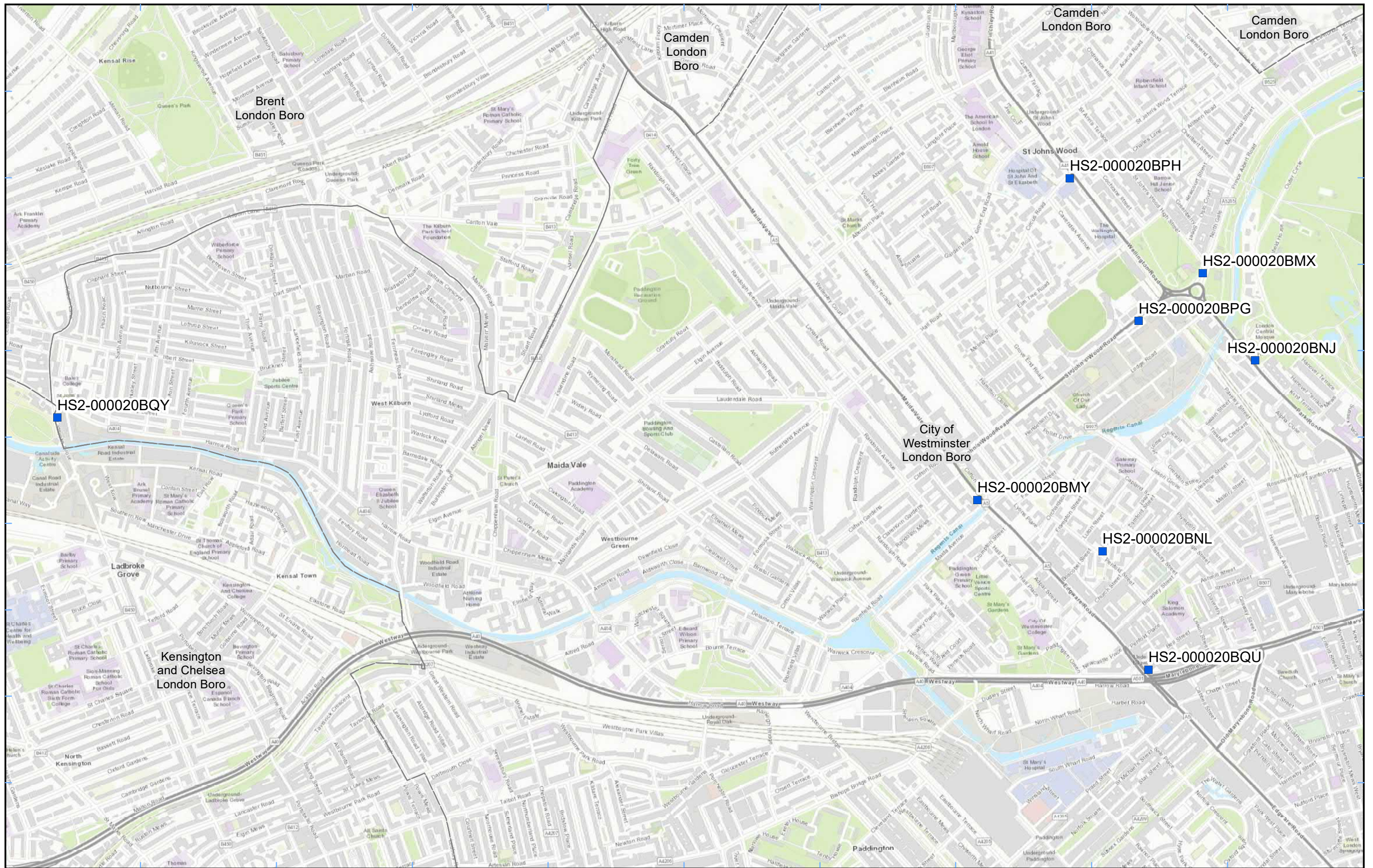
Printed in Great Britain on paper containing at least 75% recycled fibre.

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 July 2022.
- 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 2022 running mean.
- 1.1.8 There were no (0) complaints received during this reporting period (August 2022).

Appendix A –Monitoring Locations

Figure 1 and 2: Current monitoring locations within the COW



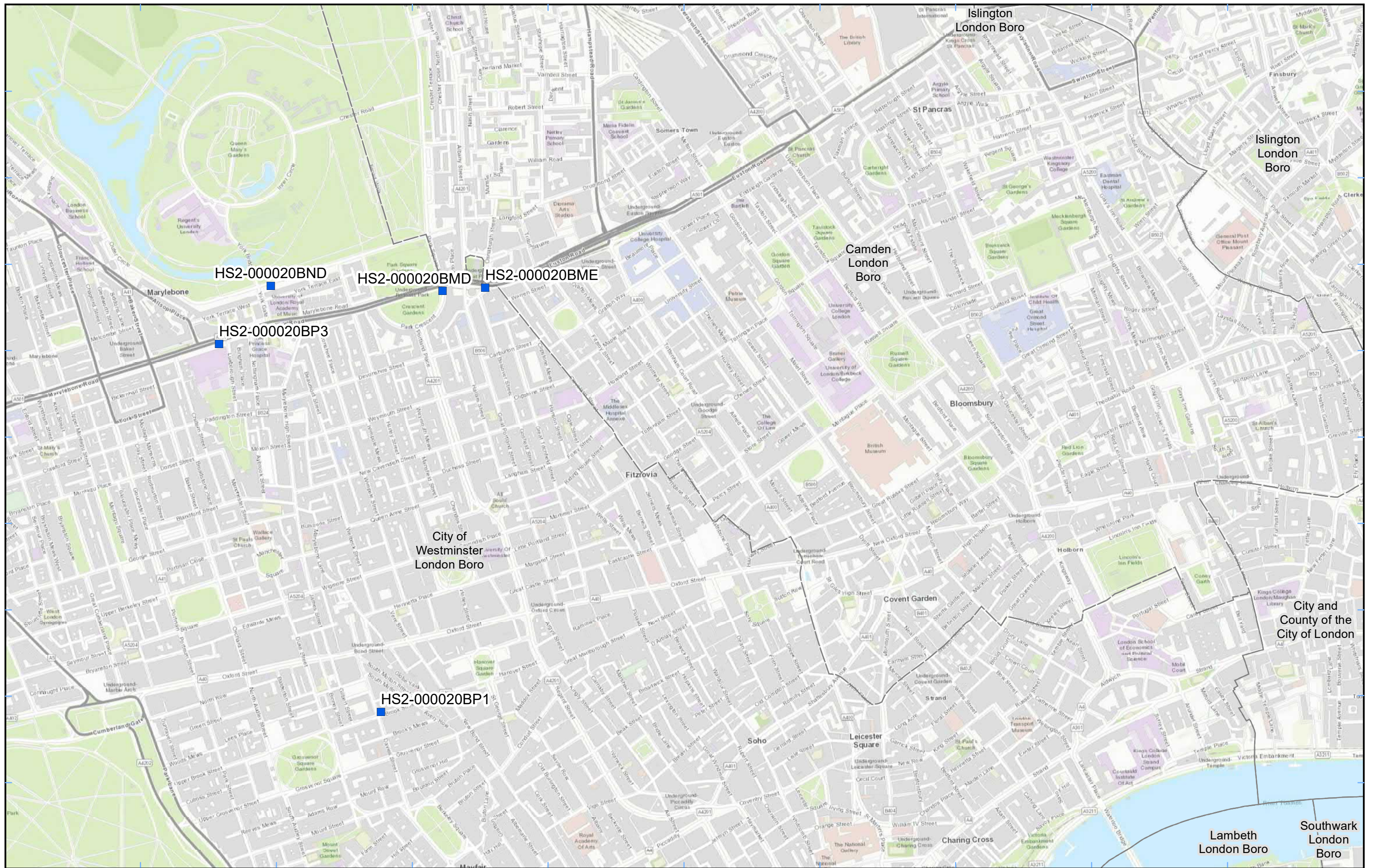
Legend
■ Diffusion Tube
 District Borough Unitary Boundaries

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 1)**
City of Westminster

hs2
 Registered in England. Registration number 06791686.
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.
 © Crown copyright and database rights 2021.
 Ordnance Survey Licence Number 100049190.
 Doc Number: Date: 03/03/21

Scale at A3: 1:10,000



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

hs2
 Registered in England. Registration number 06791686.
 Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.
 © Crown copyright and database rights 2020.
 Ordnance Survey Licence Number 100049190.
 Doc Number: Date: 08/12/20

Scale at A3: 1:10,000

Appendix B – Air Quality Monitoring Results

Table 1: NO₂ monitoring locations around highways, NO₂ concentrations and monthly monitoring results with running mean for 2022 (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	56	48	69	53	45	42	47						51
HS2-000020BME	Lamp post in between A501 and A4201	528901, 182180	76	Tube Missing	83	Tube Missing	61	56	65						68
HS2-000020BMX	Sign post by roundabout on A5205	527206, 182887	53	37	41	28	30	21	34						35
HS2-000020BMY	Lamp post between Blomfield Road and Edgware Road	526549, 182226	62	45	50	34	Tube Missing	Tube Missing	39						46
HS2-000020BND	Outer Circle Regent's Park	528276, 182185	36	38	36	24	Tube Missing	23	21						30
HS2-000020BNJ	Light post on Park Road	527359, 182633	61	46	53	50	37	40	41						47

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	49	32	40	28	23	20	24						31
HS2-000020BP1	Lamp post on Brook Street	528597, 180942	61	Tube Missing	58	41	35	36	35						44
HS2-000020BPG	Lamp post on St John's Wood Street	527019, 182748	53	35	48	27	29	20	25						34
HS2-000020BPH	Lamp post St John's Wood Terrace	526818, 183164	Tube Missing	40	41	31	53	27	29						37
HS2-000020BQU	Lamp post outside Edgware Road Station	527048, 181731	70	52	62	56	47	43	48						54
HS2-000020BQY	Sign post on Ladbroke Grove	523867, 182466	59	37	62	38	32	35	Tube Missing						44
HS2-000020BP3	Triplicate site next to the Marylebone Road kerbside automatic monitoring stations	528125, 182016	78	84	73	51	53	50	46						62