

## Air Quality and Dust Monitoring Monthly Report – March 2026 **Buckinghamshire** Council



## 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](mailto:HS2enquiries@hs2.org.uk)

Website: [www.gov.uk/hs2](http://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, 2026, 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 v3.0. To view this licence, visit [www.nationalarchives.gov.uk/doc/open-government-licence/version/3](http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3) **OGI** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: [psi@nationalarchives.gsi.gov.uk](mailto: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.



# 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 dust monitoring undertaken in the Buckinghamshire Council (BC) during March 2026.
- 1.1.2 Figures 1-6 in Appendix A present the current worksites together with the dust 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](http://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 The current worksites, as presented in Appendix A, Figures 1-6, include:

## **CVV LTP1 worksite**

- North Embankment Compound: Compound operation;
- DWSC Compound: Compound operation;
- Haul Road: Haul road maintenance;
- ATFS: Permanent drainage, soiling and seeding, ATFS access road construction, slab removal;
- Pumping Water Management;
- Satellite Welfares;
- South Abutment: Drainage works, South Abutment construction stage 2 – earthworks, yard supporting activities, soiling and seeding works, launching girder platform removal;
- Environmental Maintenance;
- Stockpiling Activity HOAC: Stockpile management;
- Deck Finishes Logistics: Preparation and operation of storage yards and installation of below deck access provision, traffic management on the deck surface, delivery of parapets, noise barriers, troughs, pipes, steel works and other minor materials to the storage yards and deck, installation of access at the top of the deck (HAKI stairs) and finishes support plan;
- Deck Finishes – On-deck Construction: North abutment works, deck waterproofing, SFRC slab construction, north embankment and south embankment noise barriers and foundations, noise barrier and concrete panel installation at north embankment, and masking wall installation at north embankment and south embankment;
- Deck Finishes – In-deck Construction: Structural health monitoring;
- Landscaping: Advanced works including removal of cofferdam, initial ground drainage including manhole chamber, landscaping, hardstanding removal and tree removal & vegetation clearance, and streetworks – bellmouth road construction; and

- General site activities.

### **Chalfont St Peter Vent Shaft**

- General Site Activities;
- Road Maintenance Works;
- Ground Level Works (External Works Part 2);
- Building Trades: brickworks and internals; and
- Demobilisation.

### **Amersham Vent Shaft**

- General Site Activities;
- External Works Phases 1&2;
- Precast Boundary Wall;
- Internal Works;
- Steel Works and Zinc Cladding; and
- Land Drainage Works.

### **Chalfont St Giles Vent Shaft**

- General Site Activities;
- Road Maintenance Works;
- External Works Phase 2;
- Building Trades: brickworks and internal works; and
- Demobilisation.

### **Little Missenden Vent Shaft**

- General site activity;
- Tunnel Connection;
- Internal Works;
- Steel Works and Cladding; and
- External Works – Phase 1 and Phase 2.

### **Chesham Vent Shaft**

- General site activity;
- External Works;
- Internal Works;
- Zinc Cladding Works;
- Demobilisation; and
- Landscaping.

### **North Portal work site**

- General Plant: Site Activities;
- Tracks Platform;

- Piling Platform Reinstatement;
- Porous Portal Structure;
- North Portal Building;
- Tunnel Support: Batching Plant operation and concrete distribution and tunnel walkway slip forming; and
- Tracks Drainage and Utilities.

### **South Heath**

- South Heath Earthworks & Drainage: Cutting and landscaping;
- General Earthworks: Site operations & support vehicles, stockpile management, surface water management, compounds and general maintenance;
- South Heath drainage: Earthworks for track drainage, stockpile and landscaping bunds drainage and collection chamber construction;
- Utilities: Excavation and construction, installation of utilities and connection of new utilities;
- Great Missenden Compound: Plant and compound maintenance, utilities work and site security at Great Missenden round-about;
- GMI/2 Overbridge: Site security, construction of FRC structure, deck finishes and cutting finishes;
- GMI/12 Overbridge: Site security, excavation & pile cropping, construction of FRC structure, deck finishes and cutting finishes;
- Ground Investigation Works: Borehole drilling, geo-physical investigations and ground investigation and mitigation;
- Site Access Road and Mass Haul Route construction and maintenance: lime spreading and tarmac & concrete surfacing; and
- Road utilisation: SAR utilisation and MHR utilisation.

### **North Chilterns Area**

#### Chesham Lane

##### Rocky Lane Culvert

- Completed shuttering and steel fixing for the mammal shelf
- Carried out repairs to concrete surfaces.

##### Bowood Lane Overbridge

- Completed first phase of the stair retaining wall bases
- Poured the maintenance platform for the A0 abutment
- Completed the parapet joint sealing.

##### TLE2 Overbridge

- Opened the bridge to the Farmer
- Removed the old diverted farmers access and stock fencing
- Completed the parapet joint sealing.

##### C2.T.5 Drainage

- Installation of POI-036 manhole - 90% complete
- Completed backfilling and concrete capping for 900mm pipes below haul road.

#### Ellesborough Road

- PCC Installation.

#### Bacombe Lane

##### Grove Farm Underbridge:

- Installation of the rebars for the liner walls on the Northeast and west liner walls
- Installation of the Peri shutters on the northeast and west liner wall
- Concrete pour of the northeast and west liner walls
- Striking of the Peri formwork on the northeast and west liner wall
- Removal of the boxout on both the northeast and west liner walls.

##### Grove Farm Culvert:

- Commencement of the TBM from shaft 002 to shaft 001
- Slow start for the installation of the Ring segments.

##### Grove Farm Attenuation Tank

- Erecting the scaffold access around the attenuation tank
- Installation of the Instu Stitch concrete shutters
- Installation of the Water bar
- Remedial works commenced on the stitch walls.

#### Wendover Dean Viaduct

- Striking propping Bays 1, 2, 3 & 4
- Top deck pour 10 - reinforcement/carpentry completed
- Top deck pour 10 - Pour completed
- Traveller moved to pour 11 position
- Top deck pour 11 - reinforcement/carpentry completed
- Top deck pour 11 - Pour completed
- Removing struck propping on the top deck with crane,
- Continuing sealing top planks
- Coring top planks for drainage preparation ongoing.

#### **Calvert Area**

##### Quinton

- Earthworks - Ongoing
- Utility diversions.
- Station Road Realignment (East tie-in) – de-vegetation, old tarmac removal.

##### Woodlands

- Woodlands Cutting – Dig & Replace.

- Woodland Drop Inlet Culvert works.
- Adamas Accommodation – Technical backfill and back of wall drainage.
- Aggregate deliveries along the SAR.

#### FCC / School Hill (Calvert)

- School Hill batching plant – production of concrete.
- School Hill Overbridge – FRC works.
- School Hill Road Realignment – VacEx for utilities
- Calvert Green overbridge – FRC works.
- Aggregate deliveries along the site access road (SAR).
- Calvert Cutting earthworks – drainage and general maintenance activities.
- CBGM batching plant – production of CBGM.

#### Other works ongoing in Calvert not within proximity (greater than 1km) to dust monitors include:

- West Street overbridge
- Portway culvert
- Perry Hill overbridge
- EWR culvert
- IMD West culvert
- IMD East Culvert
- Shepherds Furze earthworks (stockpile maintenance)
- Shepherds Furze culvert
- MCJ4 chord earthworks
- Infrastructure maintenance depot (IMD) earthworks
- Secant retaining wall
- Bat mitigation structure
- SCL/13 overbridge
- FCC Cell 6 earthworks (stockpile maintenance)
- FCC Access Road Retaining Wall
- Sheephouse Wood North culvert
- Greatmoor no. 4 culvert and CAG2 underbridge
- Megaditch retaining wall
- Greatmoor no. 3 culvert
- GUN28 overbridge
- QUA36 overbridge
- Hills farm earthworks (stockpile maintenance)
- Edgcott Road overbridge
- QUA26 Underbridge
- Doddershall Embankment earthworks
- Doddershall No. 6 and No. 7 Culvert
- Quainton cutting
- QUA28 overbridge
- Station Road overbridge

- Station Road Network Rail overbridge.

### **Twyford to Greatworth**

#### School End

- School End Overbridge Plug Removal.
- Chetwode Cutting batter reinstatement.
- Noise Barrier Piling Works Chetwode Cutting North.
- Surface Water Management
- SAR and MHR use and maintenance.

#### Twyford

- Twyford C2.T.71 track drainage up to Twyford Viaduct.
- Twyford Cutting- reinstatement of toes
- Twyford Embankment haul road construction
- Twyford Embankment surcharge removal.
- Twyford Viaduct North: Span 3 concrete pour, robust kerb steel fixing, formwork and concrete pours.
- Twyford Viaduct south: - Span 1 and span 2 concrete pour, robust kerb steel fixing, formwork and concrete pours.
- Surface Water Management
- SAR and MHR use and maintenance
- Twyford Embankment CSS stabilization.

#### Hermitage

- Construction of eastern and western haul road ramp on Chetwode Cutting Central
- Chetwode Cutting South blanket layer, rock buttresses and toe remediation.
- Removal of Chetwode Embankment surcharge.
- CHW18 Overbridge- waterproofing.
- CHW18 Overbridge Realignment- Excavate and Replace on east Approach Embankment, Utilities on the western approach.
- SAR and MHR use and maintenance
- Surface water management.

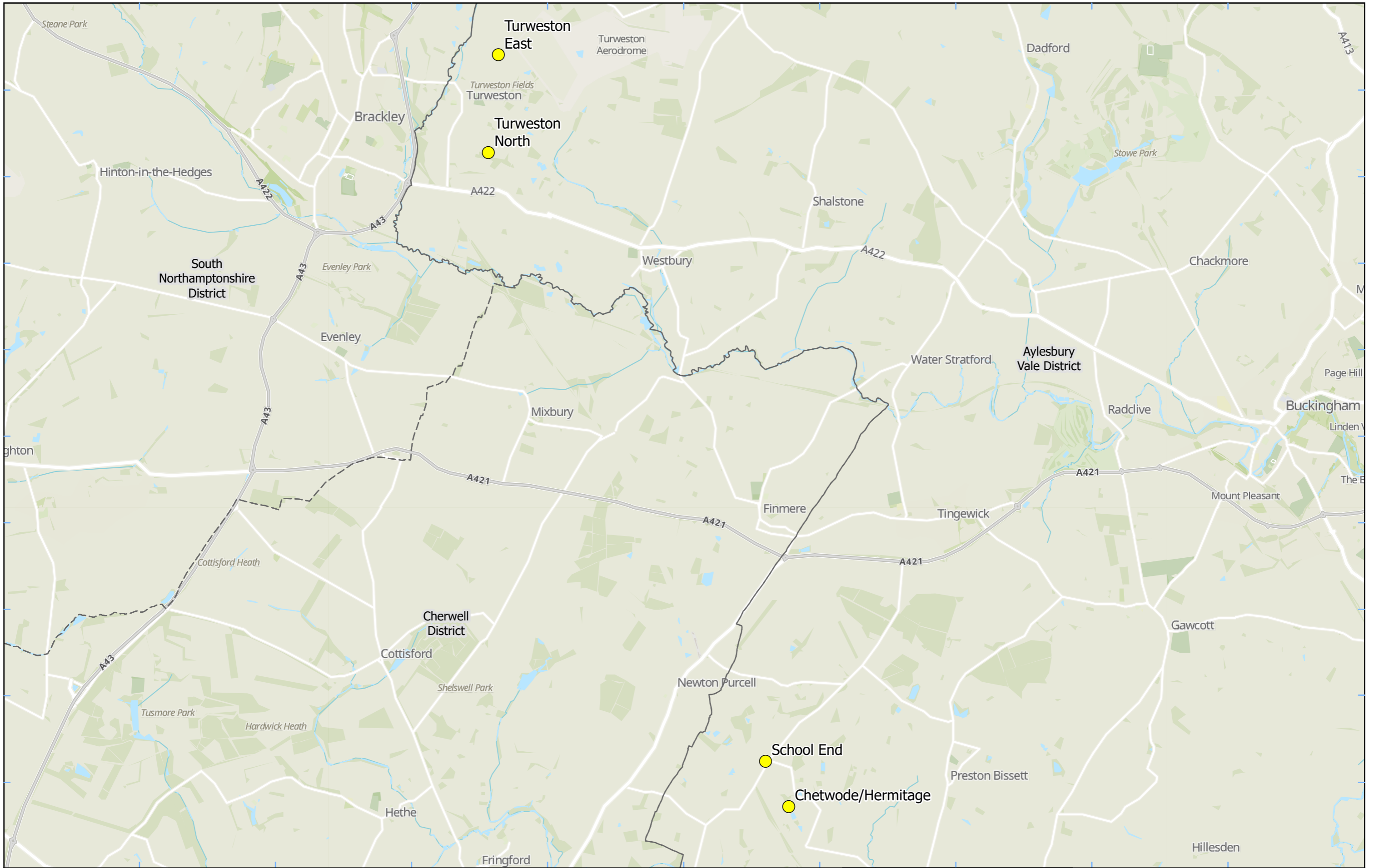
1.1.5 Twenty-four (24) dust monitors are installed around these worksites, where works are underway. These sites returned a medium dust risk rating.

1.1.6 Dust monitoring locations and results are presented in Appendix B, Table 1, together with line charts of monthly data from each dust monitor presented in Figure 7. All continuous dust monitoring is undertaken using indicative monitors. Despite being Environment Agency (MCERTS) certified, indicative monitors carry a higher level of uncertainty than reference monitors, and therefore cannot be strictly compared with Air Quality Standards for human health and the environment. The purpose of the monitoring undertaken is to ensure the effectiveness of the on-site mitigation.

- 1.1.7 The trigger level for PM<sub>10</sub> concentrations of 190 µg/m<sup>3</sup>, measured as a 1-hour mean, in accordance with the updated guidance document '*Guidance on Monitoring in the Vicinity of Demolition and Construction Sites – (December 2018)*' has been applied.
- 1.1.8 No (0) dust trigger alerts were recorded during the monitoring period (March 2026).
- 1.1.9 Data capture was below 90% for multiple monitors due to:
- No data capture at Chesham Lane for March 2026, monitor removed for the winter period following Dust Risk Assessment.
  - No data capture at Ellesborough Road for March 2026, monitor removed until further notice.
  - No data capture at Bacombe Lane for March 2026, monitor removed until further notice.
  - The School End dust monitor was reinstalled on 26th March 2026.
  - The Twyford dust monitor was reinstalled on 12th March 2026.
  - The Chetwode Hermitage dust monitor was reinstalled on 11th March 2026.
  - The Turweston North dust monitor was reinstalled on 11th March 2026.
  - No data capture at Turweston East for March 2026, removed for the winter period following Dust Risk Assessment.
  - CHStP-AQMP1a and CHStP-AQMP2 are due to power being removed from the site on 17<sup>th</sup> March. Align have rearranged alternative locations for CHStP-AQMP2 and this has been running since the 17<sup>th</sup> of March. CHStP-AQMP1a has yet to be sorted.
  - AMER-AQMP1 was decommissioned on the 5<sup>th</sup> of March.
  - CHStG-AQMP2 had its powered restored on the 5<sup>th</sup> of March.
  - SH-AQMP2 had a power issue on the 18<sup>th</sup> of March which was resolved on the 20<sup>th</sup> of March.
- 1.1.10 There were no (0) complaints received during the reporting period (March 2026).

# Appendix A – Worksite and Dust Monitoring Locations

Figures 1-6: Worksite and Monitoring locations within BC



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025  
Contains data from OS Zoomstack

Map Number

Map Name  
**Monitoring Locations  
In BC (Sheet 1)**

**Buckinghamshire County**

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

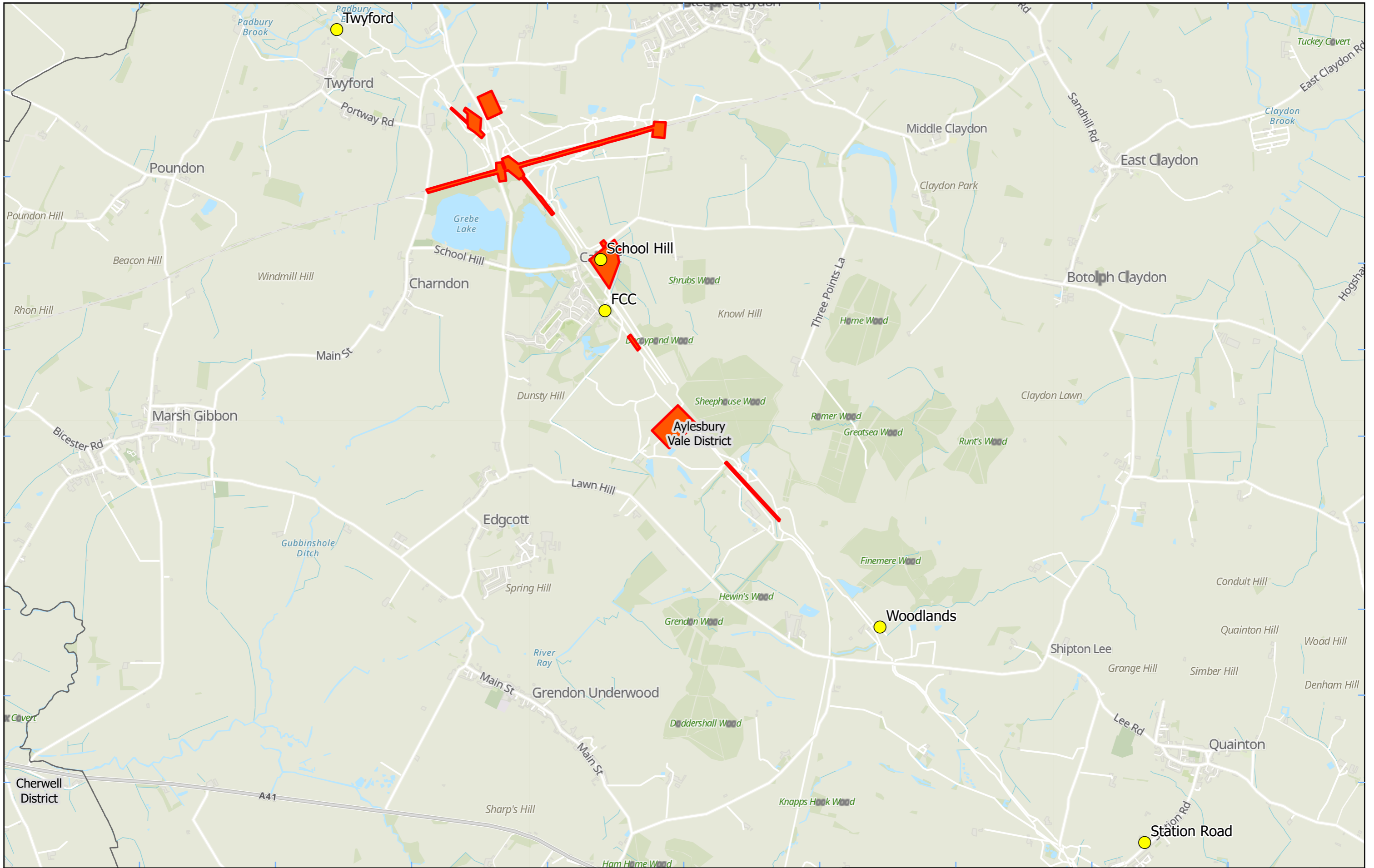
Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2025.  
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:40,000

Metres

Doc Number: **Date: 10/07/25**



**Legend**

- Dust monitor
- District Borough Unitary Boundaries
- Worksite

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025  
Contains data from OS Zoomstack

Map Number

Map Name  
**Worksite & Monitoring Locations  
In BC (Sheet 2)**

**Buckinghamshire County**

**hs2**

HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

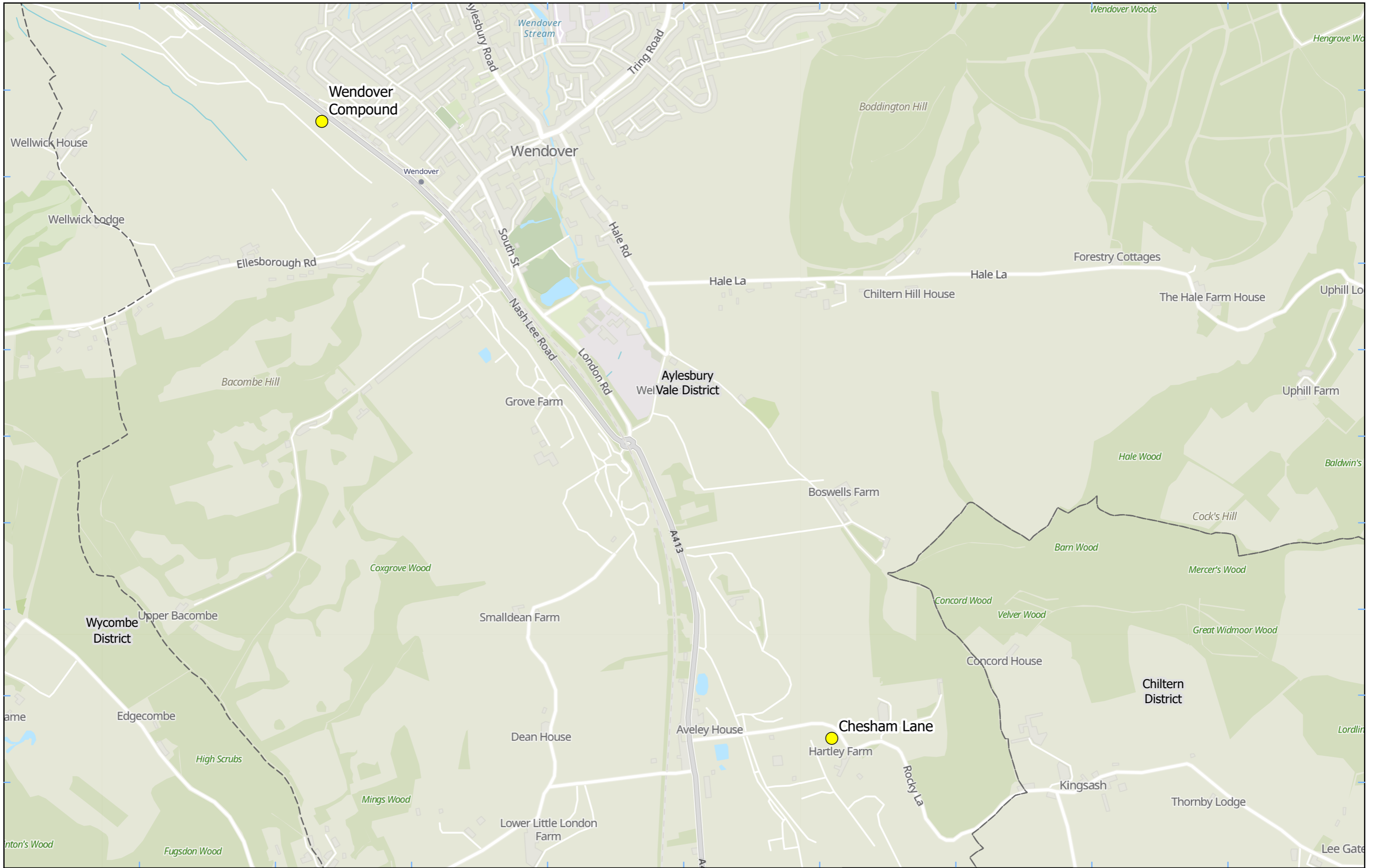
© Crown copyright and database rights 2025.  
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:32,000

0 330 660 990 1,320  
Metres

**Doc Number:**

**Date: 10/07/25**



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack

Map Number

Map Name

**Monitoring Locations  
In BC (Sheet 3)**

**Buckinghamshire County**

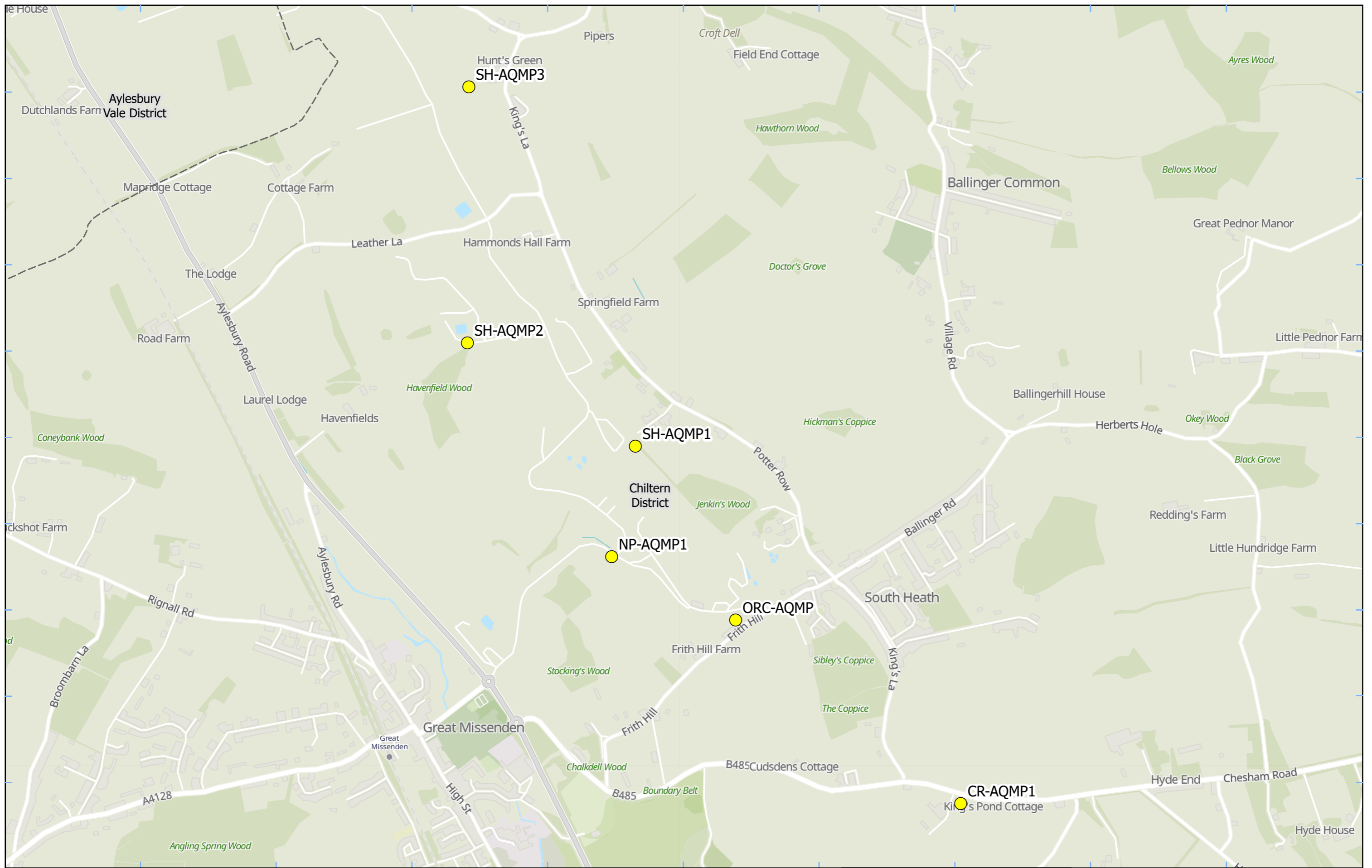
HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2026.  
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:12,000

Doc Number: **Date: 28/04/26**



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2026. Contains data from OS Zoomstack

Map Number

Map Name

**Monitoring Locations  
In BC (Sheet 4)**

**Buckinghamshire County**

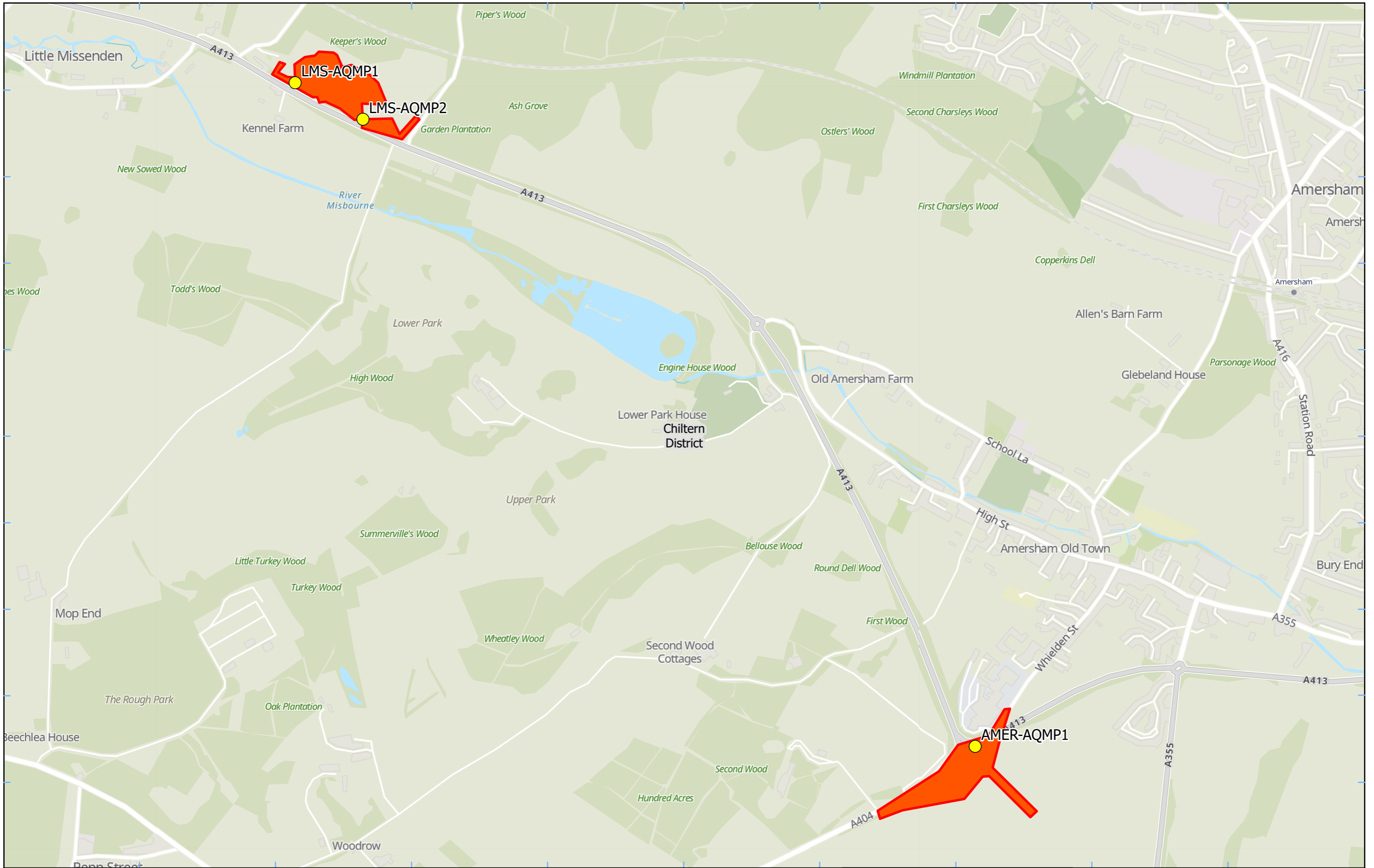
HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway, Birmingham B4 6GA.

© Crown copyright and database rights 2026.  
Ordnance Survey Licence Number 100049190.

Scale at A3: 1:12,000

Doc Number: **Date: 28/04/26**



**Legend**  
 ● Dust Monitor  
 □ District Borough Unitary Boundaries  
 ■ Worksite

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025  
 Contains data from OS Zoomstack

Map Number
Map Name <b>Worksite and Monitoring Locations In BC (Sheet 5)</b>
<b>Buckinghamshire County</b>

**hs2**  
 Registered in England. Registration number 06791686.  
 Registered office: 2 Snowhill, Queensway,  
 Birmingham B4 6GA.

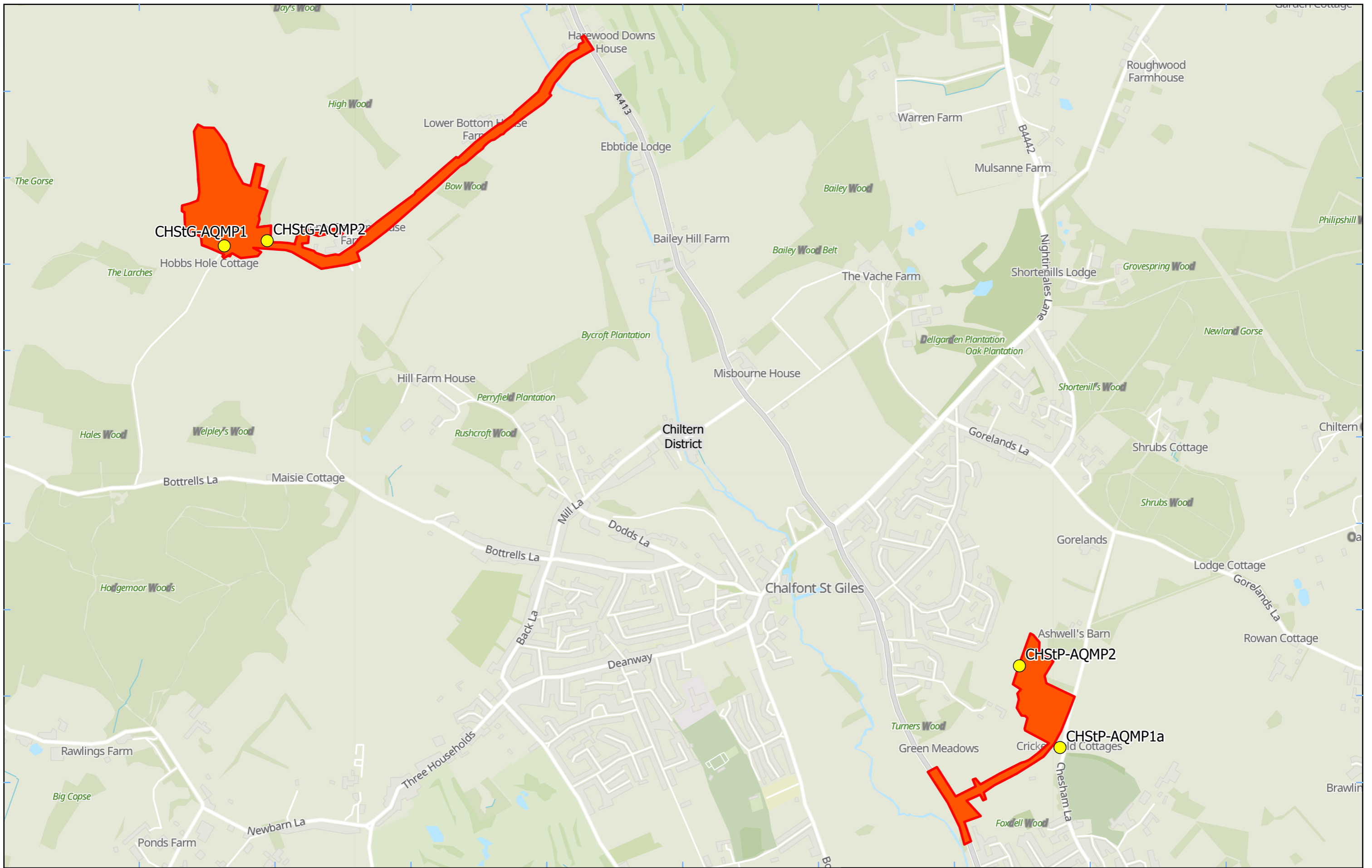
HS2 Ltd accept no responsibility for any circumstances, which arise from the reproduction of this map after alteration, amendment or abbreviation or if it is issued in part or issued incomplete in any way.

Scale at A3: 1:11,000

© Crown copyright and database rights 2025.  
 Ordnance Survey Licence Number 100049190.

Doc Number: \_\_\_\_\_

Date: 10/07/25



**Legend**

- Dust Monitor
- District Borough Unitary Boundaries
- Worksite

Service Layer Credits: GB Topographic: Contains OS data © Crown Copyright and database right 2025  
Contains data from OS Zoomstack


Map Number

---

Map Name  
**Worksite and Monitoring Locations  
In BC (Sheet 6)**

---


**Buckinghamshire County**




Registered in England. Registration number 06791686.  
Registered office: 2 Snowhill, Queensway,  
Birmingham B4 6GA.

© Crown copyright and database rights 2025.  
Ordnance Survey Licence Number 100049190.

**Doc Number:**



Scale at A3: 1:12,000



Metres

**Date: 10/07/25**

## Appendix B – Dust Monitoring Results

Table 1: Dust Monitoring Locations and Results

Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Minimum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Maximum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Number of 1-hour periods exceeding trigger level of 190 µg/m <sup>3</sup>	Data capture (%)
CHStP-AQMP1a	500093, 192996	Relocated from CHStP-NMP1 to site-boundary outside residence	M	Yes	Yes	14.9	5.1	55.1	0	53.5
CHStP-AQMP2	499951, 193282	On the western boundary of the site	M	Yes	Yes	12.9	5.2	46.1	0	46.2
AMER-AQMP1	495367, 196722	On the north-eastern boundary of Amersham	M	Yes	Yes	13.9	1.0	81.0	0	14.1
CHStG-AQMP1	497170, 194752	On the southern boundary close to Hobbs Hole Cottage	M	Yes	Yes	12.6	1.0	11.0	0	99.9
CHStG-AQMP2	497320, 194770	On southern boundary next to carpark	M	Yes	Yes	13.1	1.0	84.0	0	83.5
LMS-AQMP1	493190, 198848	On the south-west of the site	M	Yes	Yes	15.9	1.0	95.0	0	98.1
LMS-AQMP2	493407, 198731	On the south-east of the site	M	Yes	Yes	13.5	1.0	85.0	0	97.8
CR-AQMP1	491291, 201143	On the Chesham Road Vent Shaft	M	Yes	Yes	13.9	1.0	92.0	0	96.2
ORC-AQMP	490503, 201786	Orchard Cottage South-eastern Site Boundary	M	Yes	Yes	13.9	1.0	86.0	0	91.4
NP-AQMP1	490069, 202008	North Portal Site Entrance	M	Yes	Yes	13.1	1.0	89.0	0	98.0

Monitoring site ID	Coordinates (X,Y)	Location description	Dust risk rating for site	Monitoring site active during period	Change to site since previous period report	Mean 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Minimum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Maximum 1-hour PM <sub>10</sub> concentration (µg/m <sup>3</sup> )	Number of 1-hour periods exceeding trigger level of 190 µg/m <sup>3</sup>	Data capture (%)
SH-AQMP1	490152, 202395	Park Farm	M	Yes	Yes	16.3	0.4	82.9	0	98.9
SH-AQMP2	489564, 202757	King's Lane	M	Yes	Yes	16.6	0.2	92.5	0	88.0
SH-AQMP3	489569, 203654	Leather Lane	M	Yes	Yes	33.6	7.9	146.4	0	99.7
School Hill (CAL-AQMP2) - Dust	469003, 224740	School Hill Compound	M	Yes	Yes	13.9	1.0	103.0	0	99.9
School End - Dust	463666, 230049	School End, Chetwode	M	Yes	Yes	8.1	1.0	27.0	0	17.6
Chesham Lane - Dust	487974, 205794	Chesham Lane, The Lee, Wendover	M	No	Yes	-	-	-	-	-
Twyford - Dust	466544, 226883	Twyford, Buckinghamshire	M	Yes	Yes	10.1	1.0	61.0	0	62.9
Chetwode/Hermitage - Dust	463936, 229521	Hermitage, Chetwode	M	Yes	Yes	20.6	1.0	77.0	0	66.0
Turweston North - Dust	460439, 237140	Turweston, Buckinghamshire	M	Yes	Yes	10.0	1.0	54.0	0	66.3
Turweston East - Dust	460556, 238280	Turweston, Buckinghamshire	M	No	Yes	-	-	-	-	-
FCC - Dust	469042, 224263	Adjacent Red Kite View, Calvert	M	Yes	Yes	13.7	1.0	100.0	0	100.0
Station Road - Dust	474068, 219307	Station Road, Quainton	M	Yes	Yes	14.0	1.0	103.0	0	99.9
Wendover Compound - Dust	486193, 207950	Wendover Bypass, Wendover	M	Yes	Yes	11.9	1.0	85.0	0	96.4
Woodlands - Dust	471603, 221315	Station Rd, Quainton, Woodlands Farmhouse	M	Yes	Yes	12.2	1.0	83.0	0	97.4

Figure 7: Continuous dust 1-hour mean indicative PM<sub>10</sub> concentration for all dust monitors

