

Air Quality and Dust Monitoring Monthly Report – June 2026

Buckinghamshire Council



Department for Transport

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

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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 dust monitoring undertaken in the Buckinghamshire Council (BC) during June 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, 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
- South Abutment: Drainage works, South Abutment construction stage 2 – earthworks, yard supporting activities, soiling and seeding works, launching girder platform removal
- 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.
- 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;
- 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 street works – bellmouth road construction.

Chiltern Tunnel

Chalfont St Peter Vent Shaft

- Road Maintenance Works
- Ground Level Works (External Works Part 2)
- Building Trades: brickworks and internals
- Demobilisation

Amersham Vent Shaft

- General Site Activities
- Land Drainage Works

Chalfont St Giles Vent Shaft

- General Site Activities
- Demobilisation

Little Missenden Vent Shaft

- General Site Activities

Chesham Vent Shaft

- General Site Activity
- Landscaping

North Portal work site

- Tracks Platform
- Piling Platform Reinstatement
- Porous Portal Structure
- North Portal Building
- Tunnel Support: Batching Plant operation and concrete distribution and tunnel walkway slip forming
- 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
- Road Utilisation: SAR utilisation and MHR utilisation

North Chilterns to Aylesbury Area

Rocky Lane Underbridge

- Parapet wall deliveries
- Maintenance / cleaning out temporary water management ponds

Wendover Dean North and South Embankment

- Earthworks

Wendover Dean Viaduct

- Concrete works including pouring, repairs and reinforcement;

Ellesborough Road

- Backfilling
- Land drainage
- Concrete pipe
- Chamber installation;

Grove Farm

- Wingwall construction
- Segment installation
- Base slab concrete works including pouring
- Repairs and reinforcement

Nash Lee Road Overbridge

- Earthworks - backfill to wing walls area

Wendover North Cutting

- Earthworks

Bowood Lane and TLE/2 Overbridges

- Construction of Road buildup between the overbridges
- Stairs and maintenance platform works
- Culvert maintenance access road;

Oxford Road Embankment

- Earthworks, backfilling
- Made ground removal

Aylesbury North Cutting

- Stockpile removal

WAD4 Overbridge

- Deck reinforcement and concreting;

WAD3 Underpass

- Waterproofing Track and land drainage;

Waddesdon north cutting

- Earthworks
- Backfilling

TVV

- Platform removal
- Waterproofing
- Deck finishing

TVV south and north embankment

- Soil profiling
- Backfilling

SBH19 Overbridge

- Backfilling

Aylesbury Embankment

- Main trace and landscape earthworks

Aylesbury South Cutting

- Backfilling

PRA Culvert and Overbridge

- Remedial works.

Calvert Area

Quainton

- 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

Turweston

- Construction of TUW 9 Birdleway
- Turweston Green Overbridge plug removal.
- Haulage along the SAR

School End

- Track Drainage Installation
- Use and maintenance of MHR and SAR.
- Compound Maintenance.
- Water management / pumping activities.
- Stockpiling/ Topsoil Screening

Twyford

- PBI-5A Overbridge- Formwork, Steelfixing, Concrete, Falsework installation.
- Twyford Embankment- Shear Key excavation, stabilisation works.
- Use and maintenance of MHR and SAR.
- Water management / pumping activities.
- De-vegetation
- Overpumping and excavation of Twyford MAS.

Hermitage

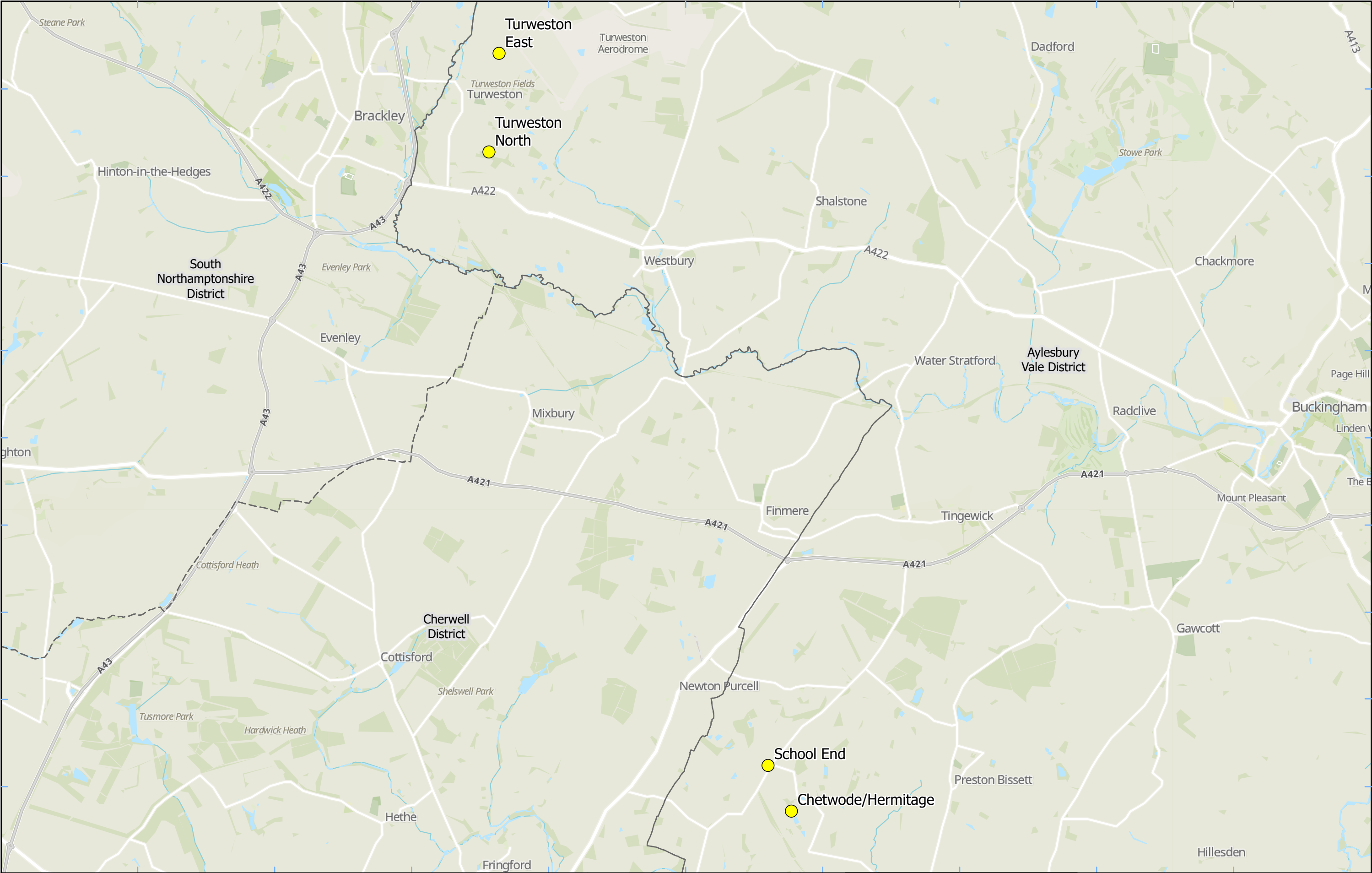
- Track Drainage Installation.
- Embankment Construction.
- CHW18 Road Realignment- West Side deveg, subbase installation, asphaltting

- Use and maintenance of MHR and SAR.
- Water management / pumping activities.

- 1.1.5 Twenty-six (26) 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 PM₁₀ concentrations of 190 µg/m³, 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 (June 2026).
- 1.1.9 Data capture during June 2026 was below 90% at CHStP-AQMP1a and CR-AQMP1. Reduced capture at CR-AQMP1 resulted from a power outage that was resolved on 25th June 2026, while CHStP-AQMP1a remained without power pending relocation and power supply provision by Align.
- 1.1.10 There were no (0) complaints received during the reporting period (June 2026).

Appendix A – Worksite and Dust Monitoring Locations

Figures 1-6: Worksite and Monitoring locations within BC



Legend

Dust Monitor

District Borough Unitary Boundaries

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Map Number

Map Name

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

Buckinghamshire County

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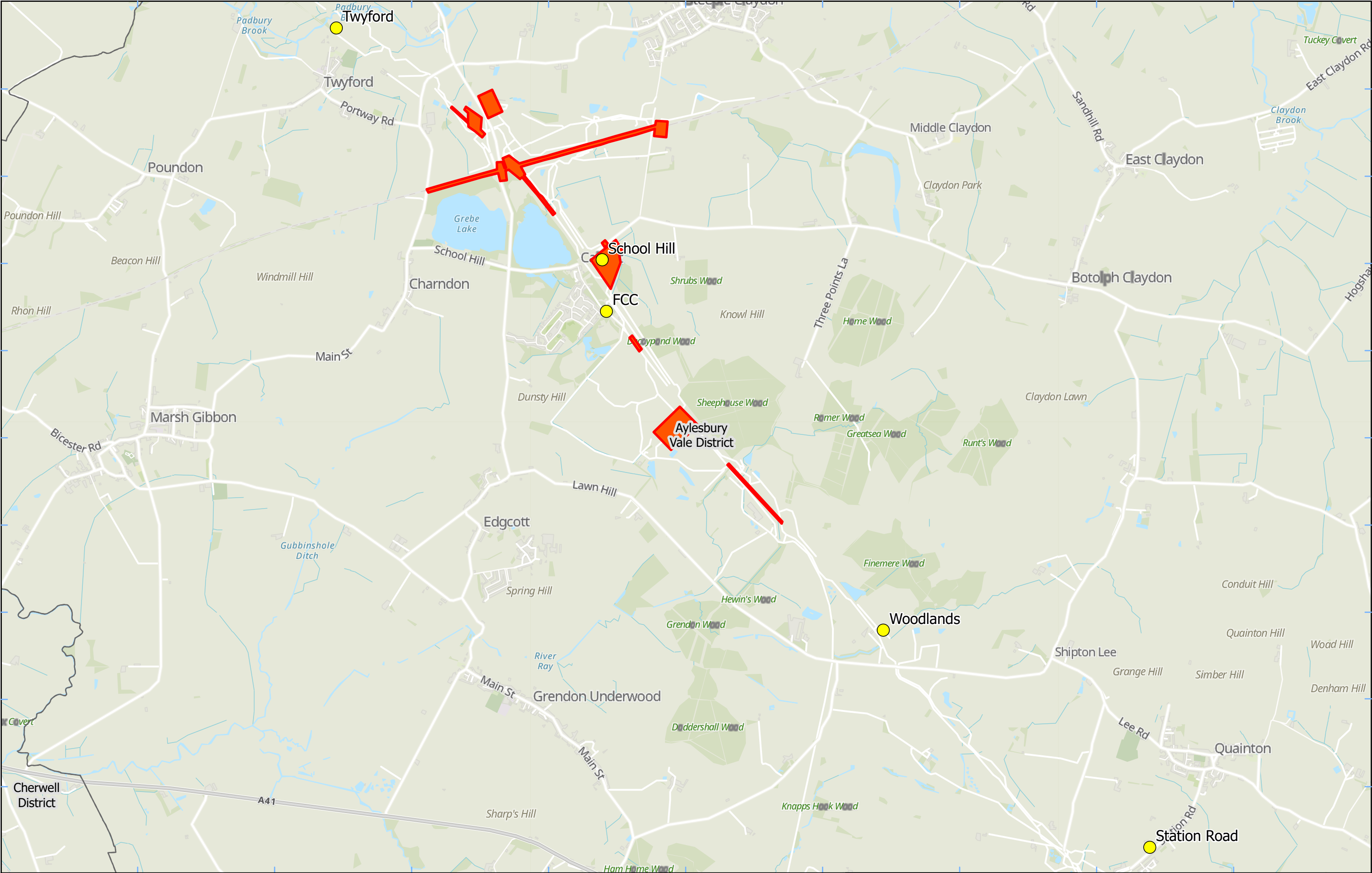
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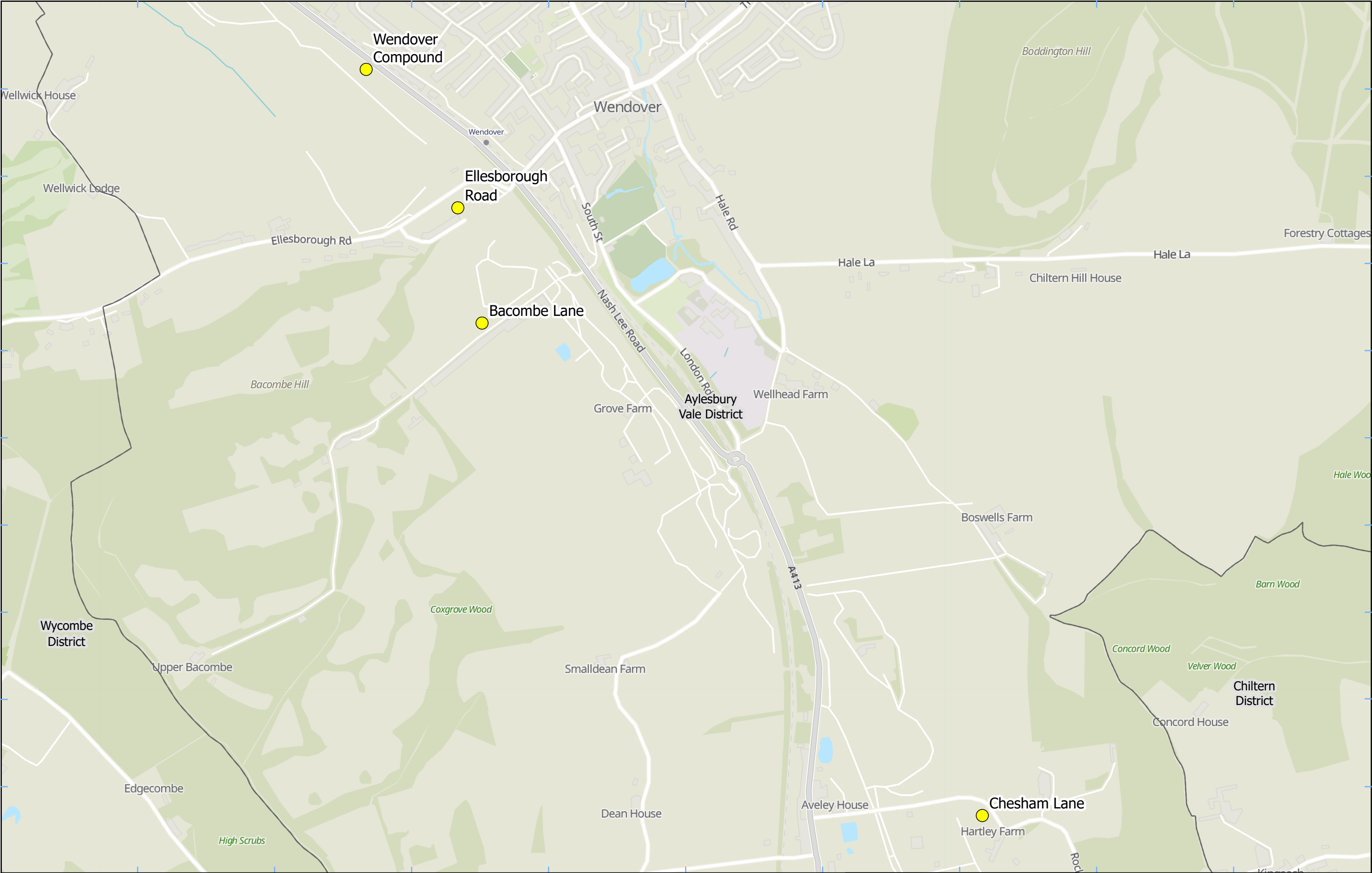
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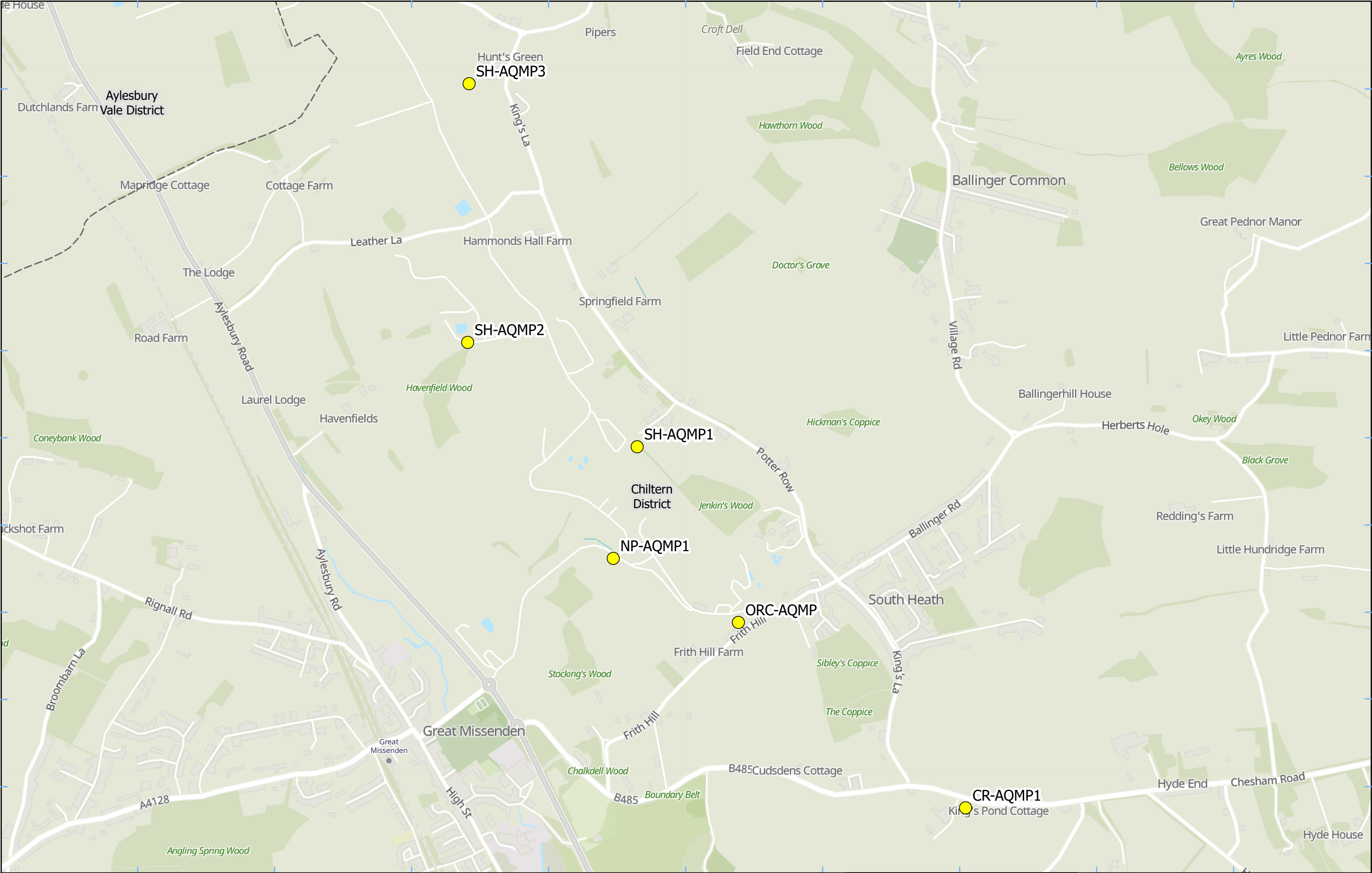
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	Map Name Worksite & Monitoring Locations In BC (Sheet 2)		 Scale at A3: 1:32,000 0 330 660 990 1,320 Metres
	Buckinghamshire County		Date: 10/07/25



Legend Dust Monitor District Borough Unitary Boundaries	Map Number	 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.
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	Monitoring Locations In BC (Sheet 3)	
Buckinghamshire County		
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Legend

 Dust Monitor

 District Borough Unitary Boundaries

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Map Number

Map Name

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

Buckinghamshire County



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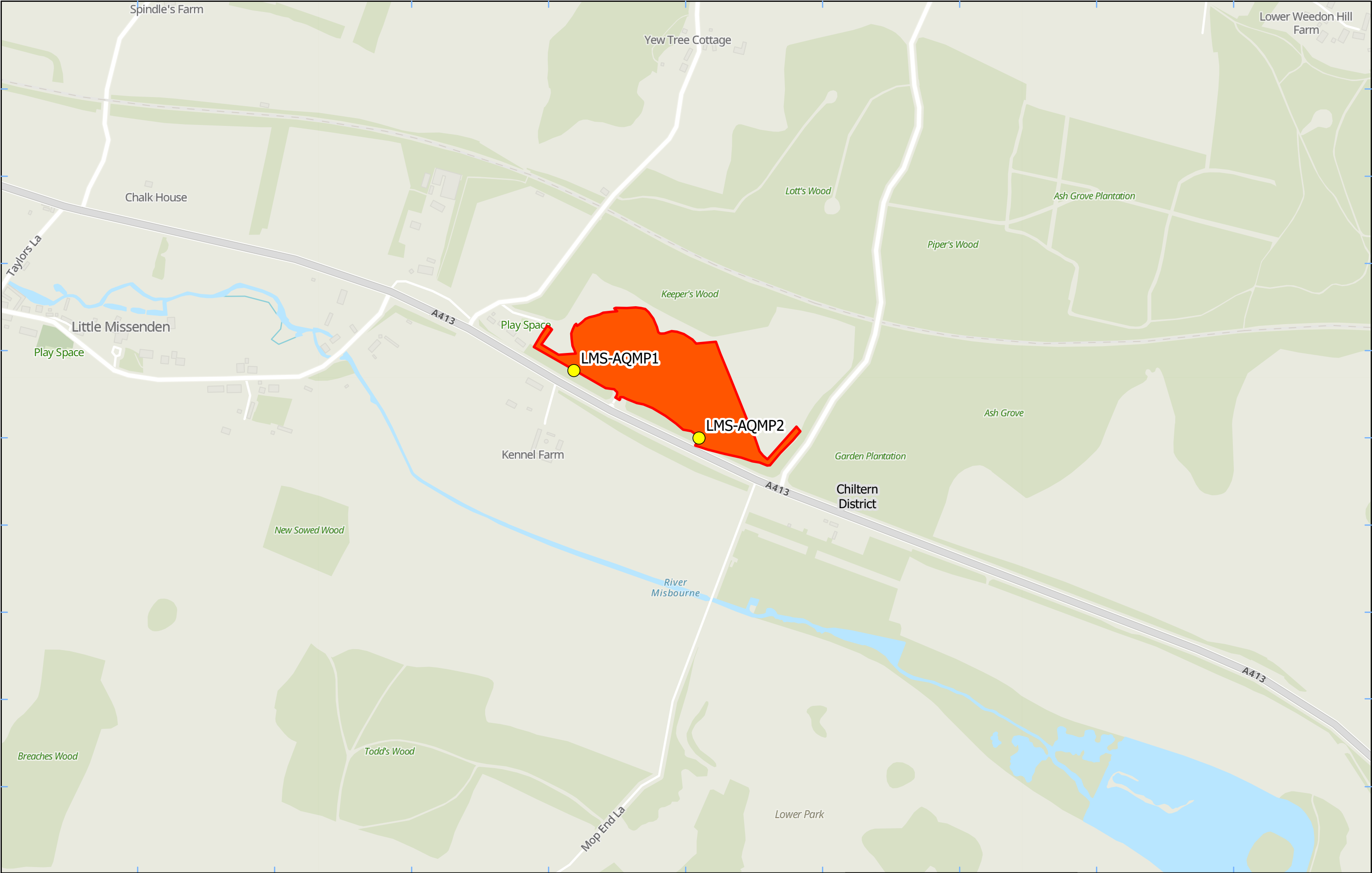


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Metres

Date: 28/04/26



Legend

 Dust Monitor  District Borough Unitary Boundaries

 Worksite

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Map Number

Map Name

**Worksite and Monitoring Locations
In BC (Sheet 5)**

Buckinghamshire County



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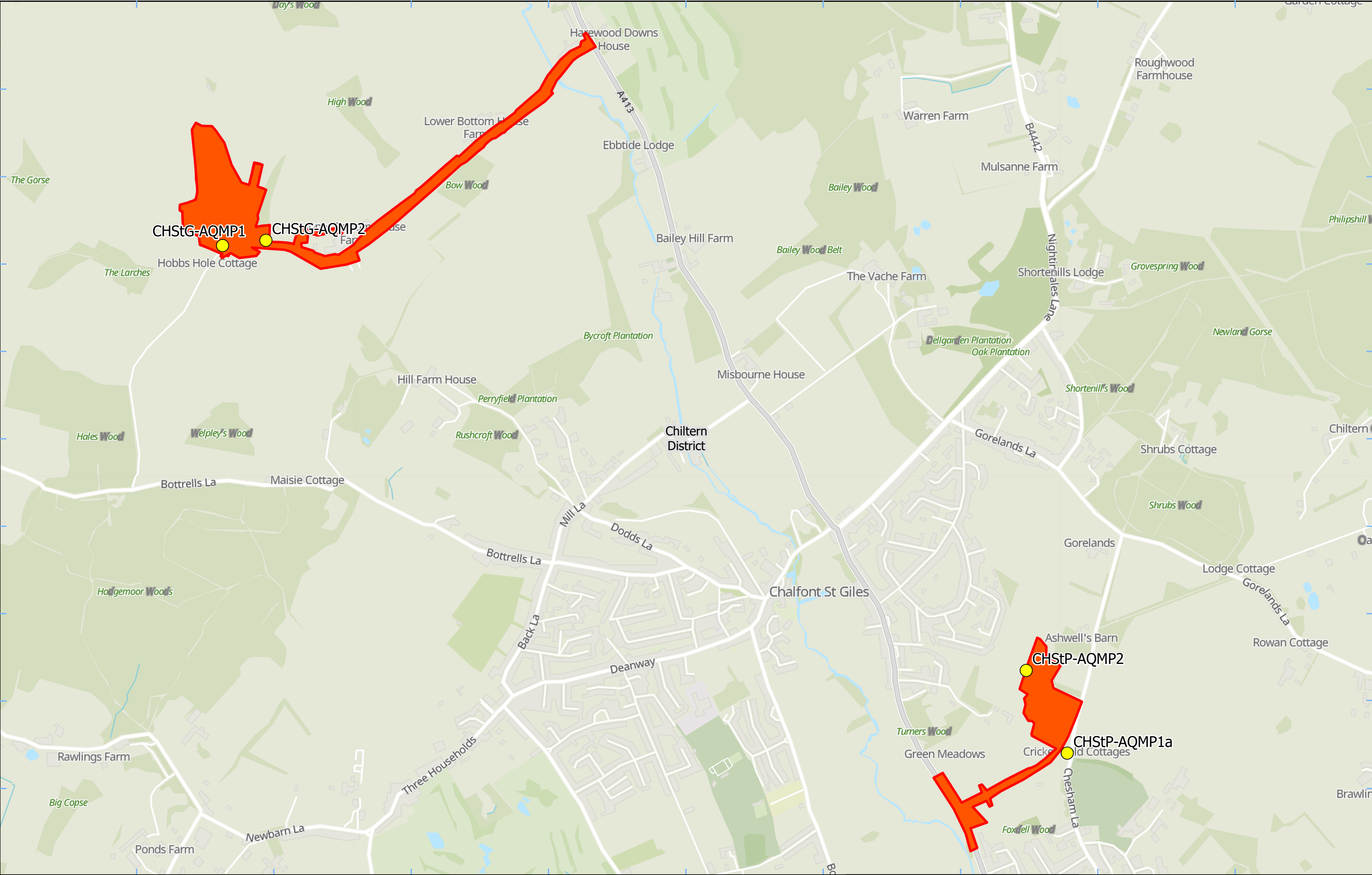


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Metres

Date: 28/04/26



Legend

 Dust Monitor

 District Borough Unitary Boundaries

 Worksite

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Map Number
Map Name
Worksite and Monitoring Locations In BC (Sheet 6)
Buckinghamshire County



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Metres

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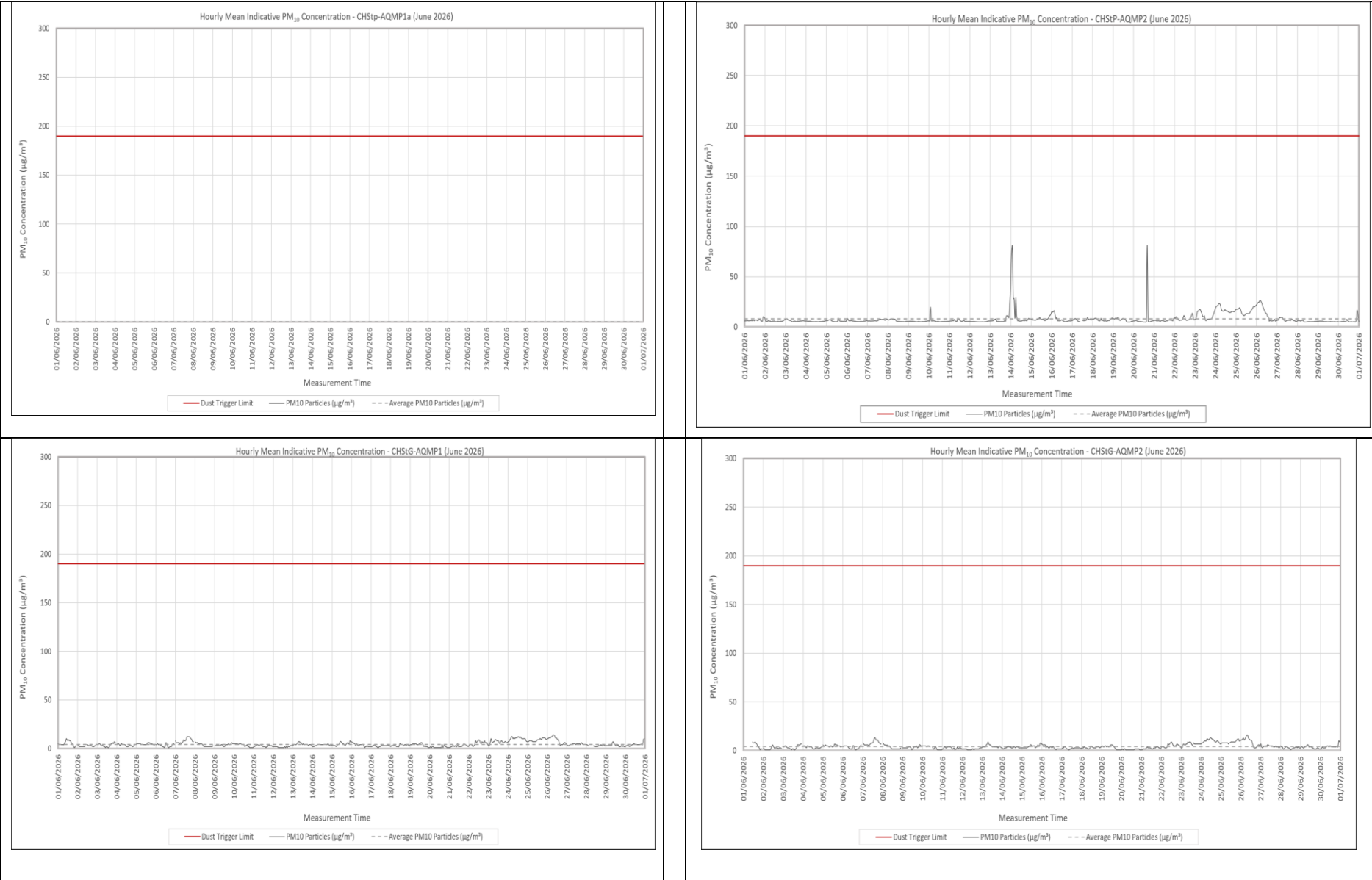
Appendix B – Dust Monitoring Results

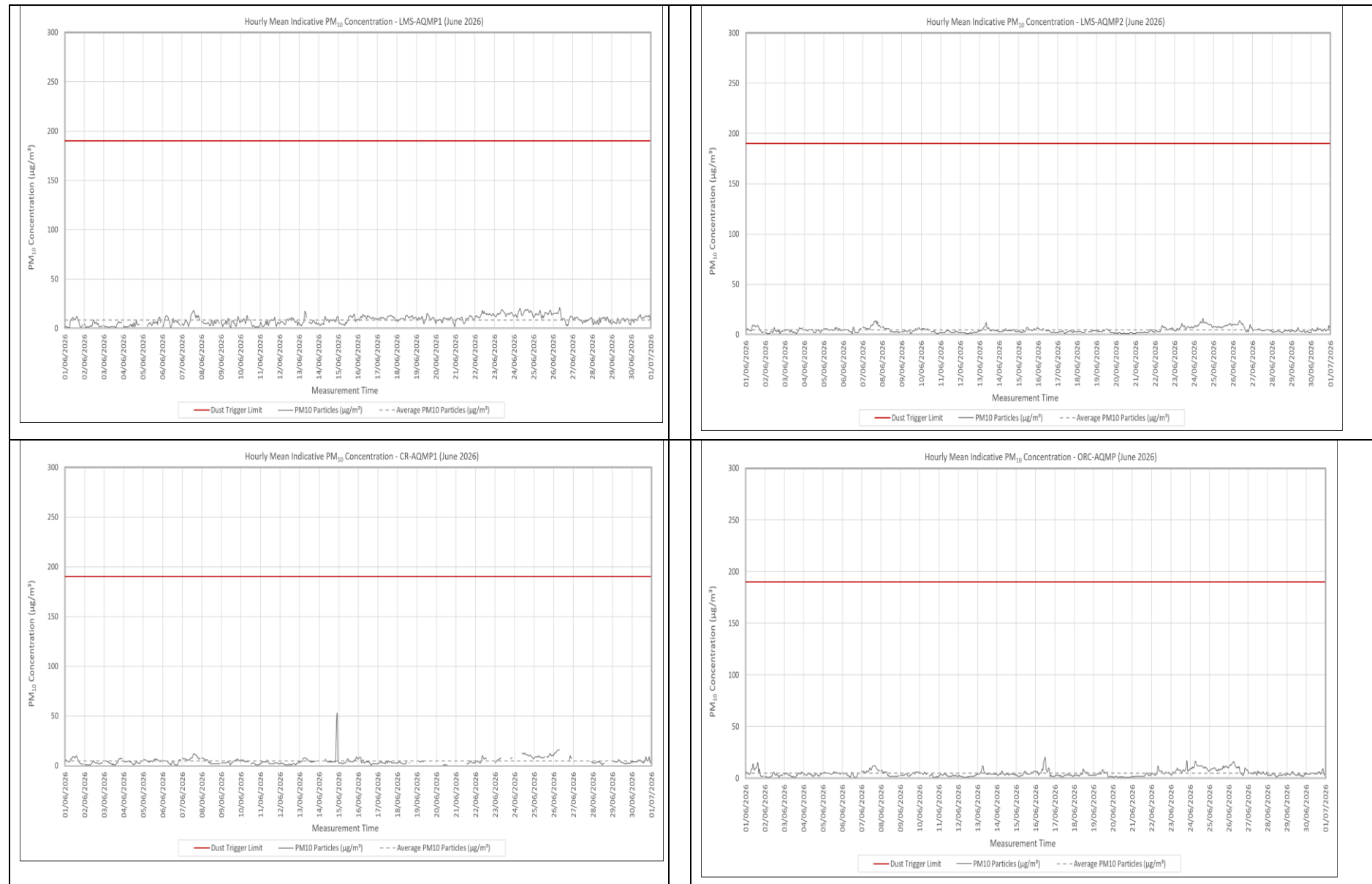
Table 1: Dust Monitoring Locations and Results

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 ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1-hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
CHStP-AQMP1a	500093, 192996	Relocated from CHStP-NMP1 to site-boundary outside residence	M	Yes	Yes	-	-	-	-	-
CHStP-AQMP2	499951, 193282	On the western boundary of the site	M	Yes	Yes	8.0	4.8	81.1	0	100.0
CHStG-AQMP1	497170, 194752	On the southern boundary close to Hobbs Hole Cottage	M	Yes	Yes	4.4	1.0	14.0	0	98.3
CHStG-AQMP2	497320, 194770	On southern boundary next to carpark	M	Yes	Yes	4.4	1.0	16.0	0	97.4
LMS-AQMP1	493190, 198848	On the south-west of the site	M	Yes	Yes	8.5	1.0	21.0	0	97.2
LMS-AQMP2	493407, 198731	On the south-east of the site	M	Yes	Yes	4.6	1.0	16.0	0	98.1
CR-AQMP1	491291, 201143	On the Chesham Road Vent Shaft	M	Yes	Yes	4.8	1.0	52.0	0	78.1
ORC-AQMP	490503, 201786	Orchard Cottage South-eastern Site Boundary	M	Yes	Yes	4.8	1.0	20.0	0	98.3
NP-AQMP1	490069, 202008	North Portal Site Entrance	M	Yes	Yes	5.0	0.1	65.0	0	97.7
SH-AQMP1	490152, 202395	Park Farm	M	Yes	Yes	9.0	6.9	37.1	0	100.0
SH-AQMP2	489564, 202757	King's Lane	M	Yes	Yes	2.8	0.1	37.6	0	100.0
SH-AQMP3	489569, 203654	Leather Lane	M	Yes	Yes	20.2	7.8	76.4	0	100.0

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 ₁₀ concentration (µg/m ³)	Minimum 1-hour PM ₁₀ concentration (µg/m ³)	Maximum 1-hour PM ₁₀ concentration (µg/m ³)	Number of 1-hour periods exceeding trigger level of 190 µg/m ³	Data capture (%)
School Hill - Dust	469003, 224740	School Hill Compound	M	Yes	Yes	4.8	1.0	21.0	0	100.0
School End – Dust	463666, 230049	School End, Chetwode	M	Yes	Yes	6.0	1.0	48.0	0	100.0
Chesham Lane - Dust	487974, 205794	Chesham Lane, The Lee, Wendover	M	Yes	Yes	4.9	1.0	22.0	0	99.9
Twyford - Dust	466544, 226883	Twyford, Buckinghamshire	M	Yes	Yes	5.0	1.0	17.0	0	100.0
Chetwode/Hermitage – Dust	463936, 229521	Hermitage, Chetwode	M	Yes	Yes	6.0	1.0	34.0	0	100.0
Turweston North - Dust	460439, 237140	Turweston, Buckinghamshire	M	Yes	Yes	4.3	1.0	21.0	0	100.0
Turweston East - Dust	460556, 238280	Turweston, Buckinghamshire	M	Yes	Yes	4.4	1.0	29.0	0	99.2
FCC - Dust	469042, 224263	Adjacent Red Kite View, Calvert	M	Yes	Yes	5.1	1.0	27.0	0	99.7
Ellesborough Road - Dust	486458, 207550	Ellesborough Road, Wendover	M	Yes	Yes	5.0	1.0	17.0	0	99.9
Bacombe Lane – Dust	486528, 207217	Bacombe Lane, Wendover	M	Yes	Yes	4.5	1.0	15.0	0	97.8
Station Road – Dust	474068, 219307	Station Road, Quainton	M	Yes	Yes	4.9	1.0	23.0	0	99.9
Wendover Compound- Dust	486193, 207950	Wendover Bypass, Wendover	M	Yes	Yes	4.5	1.0	17.0	0	100.0
Woodlands - Dust	471445, 221389	Quainton, Woodlands Farmhouse	M	Yes	Yes	4.4	1.0	36.0	0	99.7
Grove Farm	487133, 207133	Grove Farm Bungalow, Wendover	M	Yes	Yes	4.8	1.0	16.0	0	91.3

Figure 7: Continuous dust 1-hour mean indicative PM₁₀ concentration for all dust monitors





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