

London Borough of Camden Air Quality Annual Status Report for 2023

Date of publication: 30th August 2024



This report provides a detailed overview of air quality in London Borough of Camden during 2023. It has been produced to meet the requirements of the London Local Air Quality Management (LLAQM) statutory process¹.

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¹ LLAQM Policy and Technical Guidance 2019 (LLAQM.TG(19))

Contents

| | |
|--|----|
| Abbreviations | 5 |
| 1. Air Quality Monitoring..... | 7 |
| 1.1 Locations..... | 7 |
| 1.2 Comparison of Monitoring Results with AQOs..... | 31 |
| 2. Action to Improve Air Quality..... | 56 |
| 2.1 Air Quality Management Areas | 56 |
| 2.2 Air Quality Action Plan Progress | 57 |
| 3. Planning Update and Other New Sources of Emissions | 67 |
| 3.1 Camden Council's process for reviewing air quality through the planning system | 69 |
| 3.2 New or significantly changed industrial or other sources | 70 |
| 4. Additional Activities to Improve Air Quality..... | 71 |
| 4.1 London Borough of Camden Fleet | 71 |
| 4.2 NRMM Enforcement Project | 72 |
| 4.3 Air Quality Alerts | 73 |
| Appendix A Details of Monitoring Site Quality QA/QC..... | 74 |
| A.1 Automatic Monitoring Sites | 74 |
| A.2 Diffusion Tubes | 74 |
| A.3 Adjustments to the Ratified Monitoring Data | 77 |
| Appendix B Full Monthly Diffusion Tube Results for 2023..... | 79 |
| Appendix C Maps of Monitoring Locations and AQMAs | 86 |

List of Tables

| | |
|---|----|
| Table A. Summary of National Air Quality and International Standards, Objectives and Guidelines | 6 |
| Table B. Details of Automatic Monitoring Sites for 2023 | 7 |
| Table C. Details of Non-Automatic Monitoring Sites for 2023 | 8 |
| Table D. Annual Mean NO ₂ Monitoring Results: Automatic Monitoring (µg/m ³) | 31 |
| Table E. Annual Mean NO ₂ Monitoring Results: Non-Automatic Monitoring (µg/m ³) | 34 |
| Table F. NO ₂ Automatic Monitoring Results: Comparison with 1-hour Mean Objective, Number of 1-Hour Means > 200 µg/m ³ | 47 |
| Table G. Annual Mean PM ₁₀ Automatic Monitoring Results (µg/m ³) | 48 |
| Table H. PM ₁₀ Automatic Monitoring Results: Comparison with 24-Hour Mean Objective, Number of PM ₁₀ 24-Hour Means > 50 µg/m ³ | 50 |
| Table I. Annual Mean PM _{2.5} Automatic Monitoring Results (µg/m ³) | 51 |
| Table J. 2023 SO ₂ Automatic Monitoring Results: Comparison with Objectives | 54 |
| Table K. Annual Mean O ₃ Automatic Monitoring Results (µg/m ³)..... | 55 |
| Table L. Declared Air Quality Management Areas | 56 |
| Table M. Delivery of Air Quality Action Plan Measures | 57 |
| Table N. Planning Requirements Met by Planning Applications in Camden in 2023 | 67 |
| Table O. London Borough of Camden vehicle fleet composition..... | 71 |
| Table P. Bias Adjustment Factor..... | 76 |
| Table Q. Short-Term to Long-Term Monitoring Data Adjustment..... | 78 |
| Table R. NO ₂ 2023 Diffusion Tube Results (µg/m ³) | 79 |

List of Figures

Figure 1. Automatic monitoring annual mean NO₂ concentration..... 33

Figure 2. Non-automatic monitoring annual mean NO₂ concentration 46

Figure 3. Automatic monitoring annual mean PM₁₀ concentration 49

Figure 4. Automatic monitoring annual mean PM_{2.5} concentration 53

Figure 5. Camden's CMP NRMM questions..... 72

Figure 6. Map of Non-Automatic Monitoring Sites 86

Figure 7. Map of Automatic Monitoring Sites..... 87

Figure 8. Map of the Camden AQMA 88

Abbreviations

| Abbreviation | Description |
|-------------------|---|
| AQAP | Air Quality Action Plan |
| AQMA | Air Quality Management Area |
| AQN | Air Quality Neutral |
| AQO | Air Quality Objective |
| AQP | Air Quality Positive |
| BEB | Buildings Emission Benchmark |
| CAB | Cleaner Air Borough |
| EV | Electric Vehicle |
| GLA | Greater London Authority |
| LAEI | London Atmospheric Emissions Inventory |
| LAQM | Local Air Quality Management |
| LLAQM | London Local Air Quality Management |
| NRMM | Non-Road Mobile Machinery |
| PM ₁₀ | Particulate matter less than 10 micron in diameter |
| PM _{2.5} | Particulate matter less than 2.5 micron in diameter |
| TEB | Transport Emissions Benchmark |
| TfL | Transport for London |

Table A. Summary of National Air Quality and International Standards, Objectives and Guidelines

| Pollutant | Standard / Objective / Guideline | Averaging Period | Date⁽¹⁾ |
|-------------------------------------|--|-------------------------|---------------------------|
| Nitrogen dioxide (NO ₂) | 200 µg m ⁻³ not to be exceeded more than 18 times a year | 1-hour mean | 31 Dec 2005 |
| Nitrogen dioxide (NO ₂) | 40 µg m ⁻³ | Annual mean | 31 Dec 2005 |
| Nitrogen dioxide (NO ₂) | WHO AQG ⁽²⁾ : 10 µg m ⁻³ | Annual mean | |
| Particles (PM ₁₀) | 50 µg m ⁻³ not to be exceeded more than 35 times a year | 24-hour mean | 31 Dec 2004 |
| Particles (PM ₁₀) | WHO AQG ⁽²⁾ : 45 µg m ⁻³ not to be exceeded more than 3-4 times a year | 24-hour mean | |
| Particles (PM ₁₀) | 40 µg m ⁻³ | Annual mean | 31 Dec 2004 |
| Particles (PM ₁₀) | WHO AQG ⁽²⁾ : 15 µg m ⁻³ | Annual mean | |
| Particles (PM _{2.5}) | 20 µg m ⁻³ | Annual mean | 2020 |
| Particles (PM _{2.5}) | London Mayoral Objective ⁽³⁾ : 10 µg m ⁻³ | Annual mean | 2030 |
| Particles (PM _{2.5}) | WHO AQG ⁽²⁾ : 5 µg m ⁻³ | Annual mean | |
| Particles (PM _{2.5}) | Target of 15% reduction in concentration at urban background locations | 3-year mean | Between 2010 and 2021 |
| Particles (PM _{2.5}) | WHO AQG ⁽²⁾ : 5 µg m ⁻³ | 24-hour mean | |
| Sulphur dioxide (SO ₂) | 266 µg m ⁻³ not to be exceeded more than 35 times a year | 15-minute mean | 31 Dec 2005 |
| Sulphur dioxide (SO ₂) | 350 µg m ⁻³ not to be exceeded more than 24 times a year | 1-hour mean | 31 Dec 2004 |
| Sulphur dioxide (SO ₂) | 125 µg m ⁻³ not to be exceeded more than 3 times a year | 24-hour mean | 31 Dec 2004 |
| Sulphur dioxide (SO ₂) | WHO AQG ⁽²⁾ : 40 µg m ⁻³ not to be exceeded more than 3-4 times a year | 24-hour mean | |

Notes:

- (1) Date by which to be achieved by and maintained thereafter
- (2) 2021 World Health Organisation Air Quality Guidelines
- (3) London Mayoral Objective

1. Air Quality Monitoring

1.1 Locations

Table B. Details of Automatic Monitoring Sites for 2023

| Site ID | Site Name | Site Type | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Pollutants Monitored | In AQMA? Which AQMA? | Monitoring Technique | Distance to Relevant Exposure (m) ⁽¹⁾ | Distance to kerb of nearest road (m) ⁽²⁾ | Inlet Height (m) |
|---------|--|-------------------------------|-------------------------|--------------------------|---|----------------------|---|--|---|------------------|
| BL0 | London Bloomsbury (Russell Square Gardens) | Urban Background | 530123 | 182014 | NO ₂ PM ₁₀ PM _{2.5} SO ₂ O ₃ | Y | TEOM-FDMS, API NOx | 4 | 40 | 4 |
| CD1 | Swiss Cottage (Finchley Road) | Kerbside | 526629 | 184391 | NO ₂ PM ₁₀ PM _{2.5} | Y | BAM PM ₁₀ , BAM PM _{2.5} , T200 NOx | 3 | 7 | 3 |
| CD9 | Euston Road | Roadside | 529878 | 182648 | NO ₂ PM ₁₀ PM _{2.5} | Y | TEOM-FDMS, API NOx | 2.5 | 1 | 2.5 |
| KGX | Coopers Lane | Urban Background/ Industrial* | 529831 | 183250 | PM ₁₀ PM _{2.5} | Y | TEOM-FDMS | 2.5 | 8 | 2.5 |
| CD010 | Camden High Street | Roadside | 528832 | 183995 | NO ₂ | Y | Teledyne API M200A NOx | 2.5 | 1 | 2.5 |

Notes:

(1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property).

(2) N/A if not applicable

- 'Kerbside' refers to sites with sample inlets within 1m of the kerb of a busy road. Sampling heights are within 2-3m of the ground.
- 'Roadside' refers to sites with sample inlets between 1m and 5m of the kerbside. Sampling heights are within 2-3m of the ground.
- 'Urban background' locations away from major sources and broadly representative of town/city-wide background concentrations, e.g., urban residential areas.²

² https://www.londonair.org.uk/london/asp/classification.asp?region=13&site=SK2&details=general&mapview=all&la_id=&network=All&MapType=Static

Table C. Details of Non-Automatic Monitoring Sites for 2023

| Site ID | Site Name | X (m) | Y (m) | Site Type | In AQMA? If so, which AQMA? | Distance to Relevant Exposure (m) | Distance to Kerb of Nearest Road (N/A if not applicable) (m) | Inlet height (m) | Pollutants monitored | Tube co-located with an automatic monitor. (Y/N) |
|---------|--|--------|--------|------------------|-----------------------------|-----------------------------------|--|------------------|----------------------|--|
| CAM70 | Euston Road | 530093 | 182792 | Kerbside | Y | 1 | 0.5 | 2.2 | NO ₂ | N |
| CAM71 | Euston Road LAQN colocation | 529907 | 182670 | Roadside | Y | 1 | 0.5 | 2 | NO ₂ | Y |
| CAM72 | St. George's Gardens (prev. 'Wakefield Gardens') | 530430 | 182430 | Urban Background | Y | 18 | 30 | 1.8 | NO ₂ | N |
| CAM73 | St. George's Gardens East | 530512 | 182511 | Urban Background | Y | 10 | 29 | 1.5 | NO ₂ | N |
| CAM75 | Frognaal Way | 526213 | 185519 | Urban Background | Y | 6 | 30 | 3 | NO ₂ | N |
| CAM79 | Tavistock Gardens | 529880 | 182334 | Urban Background | Y | 35 | 25 | 2.5 | NO ₂ | N |
| CAM81 | Tottenham Court Road* | 529568 | 181728 | Kerbside | Y | 4 | <1 | 3.5 | NO ₂ | N |
| CAM77 | Swiss Cottage | 526633 | 184392 | Kerbside | Y | 7 | <1 | 2.5 | NO ₂ | Y |
| CAM74 | Kentish Town Road | 529013 | 185102 | Roadside | Y | 1 | 1 | 2.5 | NO ₂ | N |
| CAM76 | 47 Fitzjohn's Road | 526547 | 185125 | Roadside | Y | 5 | 5 | 2 | NO ₂ | N |
| CAM78 | Brill Place | 529904 | 183138 | Roadside | Y | 12 | 0.5 | 2.5 | NO ₂ | N |
| CAM86 | Bloomsbury Street | 529962 | 181620 | Kerbside | Y | 4 | <1 | 2.2 | NO ₂ | N |
| CAM84 | Camden Road | 529173 | 184129 | Kerbside | Y | 5 | <1 | 2.2 | NO ₂ | N |
| CAM85 | Chetwynd Road | 528722 | 185950 | Roadside | Y | 2 | 1 | 2.5 | NO ₂ | N |
| CAM82 | Emmanuel Primary School | 525362 | 185255 | Roadside | Y | 3 | 2 | 2 | NO ₂ | N |
| CAM83 | Witanhurst Lane | 528213 | 187203 | Roadside | Y | 3 | 1.5 | 2.2 | NO ₂ | N |
| CAM80 | Endsleigh Gardens | 529689 | 182470 | Roadside | Y | 6 | 0.5 | 2 | NO ₂ | N |
| CAM87 | Dartmouth Park Hill | 529118 | 185913 | Roadside | Y | 10 | 0.5 | 2.5 | NO ₂ | N |
| CAM88 | Acland Burghley School (Burghley Road) | 529099 | 185881 | Roadside | Y | 1 | 7 | 2.2 | NO ₂ | N |
| CAM89 | Oakford Road | 529060 | 185848 | Roadside | Y | 8 | 1 | 2.5 | NO ₂ | N |
| CAM121 | Haverstock School (Haverstock Hill) | 528081 | 184490 | Roadside | Y | 4 | 0.5 | 2.2 | NO ₂ | N |
| CAM122 | Harmood Street | 528558 | 184331 | Roadside | Y | 7 | 1 | 2.2 | NO ₂ | N |
| CAM123 | Hartland Road | 528619 | 184315 | Roadside | Y | 3 | 1 | 2.2 | NO ₂ | N |
| CAM124 | Hawley Primary School (Hawley Road) | 528881 | 184287 | Roadside | Y | 1 | 6 | 2.2 | NO ₂ | N |

| | | | | | | | | | | |
|--------|---|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM125 | Kentish Town Road | 528935 | 184053 | Roadside | Y | 5 | 0.5 | 2.2 | NO ₂ | N |
| CAM126 | Hawley Crescent | 528898 | 184094 | Roadside | Y | 4 | 0.5 | 2.2 | NO ₂ | N |
| CAM127 | Jamestown Road | 528704 | 184011 | Roadside | Y | 5 | 0.5 | 2.2 | NO ₂ | N |
| CAM128 | Camden High Street (Bridge) | 528722 | 184127 | Roadside | Y | 6 | 2 | 2.5 | NO ₂ | N |
| CAM129 | Camden High Street (Camden News) | 528845 | 183970 | Roadside | Y | 5 | 2 | 2.2 | NO ₂ | N |
| CAM130 | Camden High Street (American Candy) | 528884 | 183901 | Roadside | Y | 6 | 1 | 2.2 | NO ₂ | N |
| CAM131 | Britannia Junction | 528915 | 183870 | Kerbside | Y | 15 | 0.5 | 2.5 | NO ₂ | N |
| CAM132 | Cavendish School (Arlington Road) | 528770 | 183887 | Roadside | Y | 3 | 2 | 2.5 | NO ₂ | N |
| CAM133 | Holy Trinity & St. Silas School (Hartland Road) | 528715 | 184456 | Roadside | Y | 3 | 1.5 | 2.5 | NO ₂ | N |
| CAM133 | Holy Trinity & St. Silas School (Hartland Road) | 528715 | 184456 | Roadside | Y | 3 | 1.5 | 2.5 | NO ₂ | N |
| CAM1 | Schools AQ 1 - Lady Somerset Road | 529030 | 185687 | Roadside | Y | 7.5 | 1 | 2.5 | NO ₂ | N |
| CAM2 | Schools AQ 2 - New End/Streatley Place | 526518 | 185938 | Roadside | Y | 5.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM3 | Schools AQ 3 - New End T-Junction | 526518 | 185989 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM4 | Schools AQ 4 - Savernake Road (Gospel Oak Primary School) | 528159 | 185641 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM5 | Schools AQ 5 - Rona Road | 528098 | 185597 | Roadside | Y | 7.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM6 | Schools AQ 6 - South Hampstead High School Junior School | 526345 | 184876 | Roadside | Y | 10 | 0.5 | 2.5 | NO ₂ | N |
| CAM7 | Schools AQ 7 - Devonshire House Preparatory School | 526479 | 185411 | Roadside | Y | 14 | 0.5 | 2.5 | NO ₂ | N |
| CAM8 | Schools AQ 8 - University College School Senior School | 526226 | 185337 | Roadside | Y | 10 | 0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|-------|---|--------|--------|----------|---|------|-----|-----|-----------------|---|
| CAM9 | Schools AQ 9 - Christchurch Primary School | 526499 | 186122 | Roadside | Y | 24 | 9.5 | 2.5 | NO ₂ | N |
| CAM10 | Schools AQ 10 - Princess Road (Primrose Hill School) | 528302 | 183932 | Roadside | Y | 10 | 0.5 | 2.5 | NO ₂ | N |
| CAM11 | Schools AQ 11 - Minster Road (Mulberry House School) | 524345 | 185133 | Roadside | Y | 8 | 0.5 | 2.5 | NO ₂ | N |
| CAM12 | Schools AQ 12 - Cliff Villas (Brecknock Primary School) | 529918 | 184786 | Roadside | Y | 7 | 0.5 | 2.5 | NO ₂ | N |
| CAM13 | HSS Phase 4&5 1 - Ecole Jeannine Manuel - Bedford Square south (outside school) | 529845 | 181595 | Roadside | Y | 5 | 1 | 2.5 | NO ₂ | N |
| CAM14 | HSS Phase 4&5 2 - Ecole Jeannine Manuel - Bedford Avenue between Adeline Place and Morwell Street (LC5) | 529804 | 181519 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM15 | HSS Phase 4&5 3 - Ecole Jeannine Manuel - Bedford Square north (opposite side to school) | 529805 | 181703 | Roadside | Y | 4 | 0.5 | 2.5 | NO ₂ | N |
| CAM16 | HSS Phase 4&5 4 - Argyle Primary School - Tonbridge Street | 530210 | 182748 | Roadside | Y | 6.5 | 1.5 | 2.5 | NO ₂ | N |
| CAM17 | HSS Phase 4&5 5 - St Mary & St Pancras - Polygon Road | 529583 | 183051 | Roadside | Y | 17.5 | 2.5 | 2.5 | NO ₂ | N |
| CAM18 | HSS Phase 4&5 6 - St Mary & St Pancras - Phoenix Road | 529617 | 182935 | Roadside | Y | 6 | <1 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|-------|--|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM19 | HSS Phase 4&5 7 - St Mary & St Pancras - Aldenham Road | 529522 | 183089 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM20 | HSS Phase 4&5 8 - Lyndhurst House Prep - Lyndhurst Gardens | 526856 | 185301 | Roadside | Y | 13 | <0.5 | 2.5 | NO ₂ | N |
| CAM21 | HSS Phase 4&5 9 - Lyndhurst House Prep - Wedderburn Road | 526929 | 185226 | Roadside | Y | 13.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM22 | HSS Phase 4&5 10 - St Christopher's - Belsize Lane | 527006 | 185160 | Roadside | Y | 15 | <0.5 | 2.5 | NO ₂ | N |
| CAM23 | HSS Phase 4&5 11 - St Christopher's - Orman Road | 527067 | 185152 | Roadside | Y | 8.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM24 | HSS Phase 4&5 12 - Kingsgate Lower school - Liddell Road | 525116 | 184772 | Roadside | Y | 20 | <1 | 2.5 | NO ₂ | N |
| CAM25 | HSS Phase 4&5 13 - Kingsgate Lower school - Iverson Road | 525199 | 184709 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM26 | HSS Phase 4&5 14 - Kingsgate Lower school - Ariel Road | 525030 | 184701 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM27 | HSS Phase 4&5 15 - Kentish Town CofE - Islip Street | 529114 | 185052 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM28 | HSS Phase 4&5 16 - Kentish Town CofE - Caversham Road | 529112 | 184960 | Roadside | Y | 9 | 0.5 | 2.5 | NO ₂ | N |
| CAM29 | HSS Phase 4&5 17 - Kentish Town CofE - Gaisford Street | 529113 | 184869 | Roadside | Y | 7.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM30 | HSS Phase 4&5 18 - Christopher Hatton - Mount Pleasant | 531028 | 182092 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|-------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM31 | HSS Phase 4&5 19 - Brookfield School - Croftdown Road | 528745 | 186598 | Roadside | Y | 8 | 0.5 | 2.5 | NO ₂ | N |
| CAM32 | HSS Phase 4&5 20 - Brookfield School - Chester Road | 528685 | 186614 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM33 | HSS Phase 4&5 21 - Brookfield School - Bramshill Gardens | 528876 | 186421 | Roadside | Y | 6.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM34 | HSS Phase 4&5 22 - Christ Church School - Redhill Street | 528835 | 182980 | Roadside | Y | 10.5 | 1 | 2.5 | NO ₂ | N |
| CAM35 | HSS Phase 4&5 23 - Christ Church School - Redhill Street | 528814 | 182873 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM36 | HSS Phase 4&5 24 - Beckford School - Dornfell Street | 524928 | 185092 | Roadside | Y | 7 | 0.5 | 2.5 | NO ₂ | N |
| CAM37 | HSS Phase 4&5 25 - Beckford School - Sumatra Road | 525036 | 185121 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM38 | HSS Phase 4&5 26 - Beckford School - Ravenshaw Road | 524860 | 185039 | Roadside | Y | 4 | 0.5 | 2.5 | NO ₂ | N |
| CAM39 | HSS Phase 4&5 27 - Broadhurst School - Greencroft Gardens | 526216 | 184457 | Roadside | Y | 10.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM40 | HSS Phase 4&5 28 - St Patricks - Raglan Street | 528903 | 185009 | Roadside | Y | 9 | 0.5 | 2.5 | NO ₂ | N |
| CAM41 | HSS Phase 4&5 29 - St Patricks - Inkerman Road | 528853 | 184975 | Roadside | Y | 6.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM42 | HSS Phase 3 1 - Camden School for Girls - Sandall Road | 529409 | 184720 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|-------|--|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM43 | HSS Phase 3 2 - Hampstead Parochial and UCS Junior - Holly Bush Vale | 526343 | 185755 | Roadside | Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM44 | HSS Phase 3 3 - Rhyl Primary School - Marsden Street | 528338 | 184776 | Roadside | Y | 6.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM45 | HSS Phase 3 4 - Haverstock School - Crogsland Road south | 528233 | 184430 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM46 | HSS Phase 3 5 - Netley Primary School - William Road | 529113 | 182561 | Roadside | Y | 11 | <0.5 | 2.5 | NO ₂ | N |
| CAM47 | Farringdon 1 - Acton Street | 530760 | 182782 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM48 | Farringdon 2 - Frederick Street | 530705 | 182701 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM49 | Farringdon 3 - Calthorpe Street | 530879 | 182342 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM50 | Farringdon 4 - Grays Inn Road/Calthorpe Street | 530822 | 182276 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM51 | Farringdon 5 - Ray Street/Herbal Hill | 531294 | 182146 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM52 | Farringdon 6 - Summers Street | 531239 | 182105 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM53 | Farringdon 7 - Lloyd Baker Street | 530990 | 182574 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM54 | Farringdon 8 - Warner Street | 531147 | 182179 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM55 | Farringdon 9 - Grays Inn Road North | 530620 | 182633 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM56 | Farringdon 10 - Grays Inn Road/Wren Street | 530775 | 182346 | Roadside | Y | 9 | <0.5 | 2.5 | NO ₂ | N |
| CAM57 | Farringdon 11 - Grays Inn Road South | 531056 | 181822 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|-------|--|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM58 | Grays Inn Road South 1 - Northington Street / King's Mews | 530915 | 182046 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM59 | Grays Inn Road South 2 - John Street | 530823 | 182079 | Roadside | Y | 6.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM60 | Grays Inn Road South 3 - Roger Street | 530884 | 182124 | Roadside | Y | 1.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM61 | Grays Inn Road South 4 - Elm Street | 530965 | 182112 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM62 | Prince of Wales 1 - Malden Road north | 528305 | 184657 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM63 | Prince of Wales 2 - Prince of Wales Road/Truro Street | 528179 | 184606 | Roadside | Y | 8 | 0.5 | 2.5 | NO ₂ | N |
| CAM64 | Prince of Wales 3 - Prince of Wales Road/Haverstock Hill | 527990 | 184602 | Roadside | Y | 16.5 | 1 | 2.5 | NO ₂ | N |
| CAM65 | Prince of Wales 4 - Crogsland Road | 528244 | 184587 | Roadside | Y | 10 | 0.5 | 2.5 | NO ₂ | N |
| CAM66 | Prince of Wales 5 - Malden Crescent | 528377 | 184599 | Roadside | Y | 8 | 0.5 | 2.5 | NO ₂ | N |
| CAM67 | Prince of Wales 6 - Prince of Wales Road/Malden Road | 528380 | 184636 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM68 | Prince of Wales 7 - Harmond Street | 528537 | 184626 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM69 | Prince of Wales 8 - Prince of Wales Road/Grafton Road | 528736 | 184719 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM90 | Pratt-Delancey 1 - Pratt Street (between College Place and Royal College Street) | 529334 | 183868 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM91 | Pratt-Delancey 2 - Pratt Street (between Bayham Street and Camden Street) | 529142 | 183738 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|--------|---|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM92 | Pratt-Delancey 3 - Bayham Street | 529054 | 183772 | Roadside | Y | 4 | 0.5 | 2.5 | NO ₂ | N |
| CAM93 | Pratt-Delancey 4 - Greenland Street | 529010 | 183795 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM94 | Pratt-Delancey 5 - Delancey Street/Delancey Passage | 528971 | 183636 | Roadside | Y | 1 | 1.5 | 2.5 | NO ₂ | N |
| CAM95 | Pratt-Delancey 6 - Arlington Road (south of Delancey Street) | 528968 | 183551 | Roadside | Y | 4 | 1 | 2.5 | NO ₂ | N |
| CAM96 | Pratt-Delancey 7 - Arlington Road (north of Delancey Street)) | 528881 | 183697 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM97 | Pratt-Delancey 8 - Albert Street (south of Delancey Street) | 528867 | 183547 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM98 | Pratt-Delancey 9 - Delancey Street/Albert Street | 528866 | 183590 | Roadside | Y | 3 | 2 | 2.5 | NO ₂ | N |
| CAM99 | Pratt-Delancey 10 - Albert Street (north of Delancey Street) | 528836 | 183625 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM100 | Pratt-Delancey 11 - Delancey Street/Parkway | 528695 | 183596 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM101 | Pratt-Delancey 12 - Parkway/A4201 | 528654 | 183570 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM102 | Pratt-Delancey 13 - Gloucester Gate | 528604 | 183457 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM103 | Pratt-Delancey 14 - North Bridge School | 528636 | 183577 | Roadside | Y | 16 | <0.5 | 2.5 | NO ₂ | N |
| CAM104 | Pratt-Delancey 15 - Gloucester Avenue | 528560 | 183695 | Roadside | Y | 20 | <0.5 | 2.5 | NO ₂ | N |
| CAM105 | Pratt-Delancey 16 - Parkway | 528724 | 183702 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM106 | Camden Square 1 - Murray Street | 529548 | 184449 | Roadside | Y | 20 | <0.5 | 2.5 | NO ₂ | N |

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|---------|--|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM107 | Camden Square 2 - Camden Square East | 529677 | 184531 | Roadside | Y | 10.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM108 | Camden Square 3 - Camden Terrace | 529725 | 184680 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM109 | Camden Square 4 - North Villas | 529767 | 184734 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM110 | Camden Square 5 - St. Augustine's Road | 529754 | 184457 | Roadside | Y | 8.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM111* | Belsize Park/Swiss Cottage 1 - Maresfield Gardens/Nutley Terrace | 526456 | 184931 | Roadside | Y | 9 | <0.5 | 2.5 | NO ₂ | N |
| CAM112* | Belsize Park/Swiss Cottage 2 - Belsize Lane /Fitzjohn's Avenue | 526586 | 184586 | Roadside | Y | 8 | 1 | 2.5 | NO ₂ | N |
| CAM113* | Belsize Park/Swiss Cottage 3 - Hilgrove Estate | 526559 | 184324 | Roadside | Y | 12 | <0.5 | 2.5 | NO ₂ | N |
| CAM114* | Belsize Park/Swiss Cottage 4 - Winchester Road | 526815 | 184322 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM115* | Belsize Park/Swiss Cottage 5 - Eton Avenue | 527010 | 184452 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM116* | Belsize Park/Swiss Cottage 6 - Adelaide Road | 526984 | 184239 | Roadside | Y | 15 | <0.5 | 2.5 | NO ₂ | N |
| CAM117* | Belsize Park/Swiss Cottage 7 - England's Lane | 527318 | 184555 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM118* | Belsize Park/Swiss Cottage 8 - Belsize Avenue/Belsize Park Gardens | 526948 | 184906 | Roadside | Y | 7.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM119* | Belsize Park/Swiss Cottage 9 - Haverstock Hill | 527278 | 185153 | Roadside | Y | 11.5 | <0.5 | 2.5 | NO ₂ | N |

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|---------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM120* | Belsize Park/Swiss Cottage 10 - Pond Street/Fleet Road | 527314 | 185509 | Roadside | Y | 6.5 | 1 | 2.5 | NO ₂ | N |
| CAM134 | Chalk Farm Road 1 - Regent's Park Road | 528119 | 184354 | Roadside | Y | <0.5 | 1.5 | 2.5 | NO ₂ | N |
| CAM135 | Chalk Farm Road 2 - Chalk Farm Road | 528335 | 184338 | Roadside | Y | 11 | 0.5 | 2.5 | NO ₂ | N |
| CAM136 | Chalk Farm Road 3 - Ferdinand Street | 528456 | 184345 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM137 | Chalk Farm Road 4 - Hartland Road | 528582 | 184265 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM138 | Haverstock Hill 1 - Haverstock Hill northbound | 527278 | 185153 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM139 | Haverstock Hill 2 - Haverstock Hill southbound | 527184 | 185274 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM140 | Haverstock Hill 3 - Glenloch Road | 527299 | 185071 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM141 | Haverstock Hill 4 - Haverstock Hill (between Upper Park Road and Downside Crescent) | 527500 | 184974 | Roadside | Y | 12.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM142 | St. Pancras Way 1 - St. Pancras Way south | 529606 | 183589 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM143 | St. Pancras Way 2 - Junction of St. Pancras Way and Pratt Street | 529443 | 183941 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM144 | St. Pancras Way 3 - St. Pancras Way adjacent to Caulfield Ct. | 529405 | 184139 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM145 | St. Pancras Way 4 - St. Pancras Way adjacent to Camden Courtyards | 529233 | 184325 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM146 | St. Pancras Way 5 - Camden Street | 529289 | 183697 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM147 | York Way 1 - York Way near junction with Camden Park Road | 530004 | 184626 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM148 | York Way 2 - York Way Sainsbury's Local | 530067 | 184286 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM149 | York Way 3 - York Way Art House | 530320 | 183606 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM150 | Queens Crescent 1 - Junction of Queens Crescent and Allcroft Road | 528259 | 185061 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM151 | Queens Crescent 2 - Gilden Crescent | 528191 | 185041 | Roadside | Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM152 | Queens Crescent 3 - Junction of Grafton Road and Vicar's Road | 528248 | 185360 | Roadside | Y | 20 | <1 | 2.5 | NO ₂ | N |
| CAM153 | Queens Crescent 4 - Grafton Road south of Queens Crescent | 528404 | 185130 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM154 | Queens Crescent 5 - Spring Place south of Arctic Street | 528516 | 185100 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM155 | Queens Crescent 6 - Holmes Road outside St. Patrick's Catholic Primary School | 528874 | 185037 | Roadside | Y | 10.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM156 | Queens Crescent 7 - Malden Road outside St. Dominic Primary School | 527865 | 185224 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM157 | Queens Crescent 8 - Malden Road at the junction with Marsden Street | 528251 | 184767 | Roadside | Y | 16 | <0.5 | 2.5 | NO ₂ | N |
| CAM158 | Queens Crescent 9 - Rhyl Street outside Rhyl Primary School | 528334 | 184832 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM159 | Queens Crescent 10 - Weedington Road south of Queens Crescent | 528309 | 185097 | Roadside | Y | 8 | <0.5 | 2.5 | NO ₂ | N |
| CAM160 | Queens Crescent 11 - Junction of Wilkin Street and Talacre Road | 528430 | 184837 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM161 | Camden Park Road / Torriano Avenue 1 - Torriano Avenue outside Torriano Primary School | 529595 | 185067 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM162 | Camden Park Road / Torriano Avenue 2 - Camden Park Road between South Villas and North Villas | 529842 | 184780 | Roadside | Y | 8.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM163 | Baynes Street (opposite K&I Kitchens, 31-37 Baynes Street) | 529317 | 184124 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM164 | Randolph Street | 529264 | 184155 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM165 | Royal College Street near junction with Georgiana Street | 529310 | 183998 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM166 | Crowndale Road (opposite junction with Bayham Street) | 529279 | 183390 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM167 | King Henry's Road 1 - Adelaide Road between Elsworthy Rise and Primrose Hill | 527440 | 184319 | Roadside | Y | 8 | <0.5 | 2.5 | NO ₂ | N |
| CAM168 | King Henry's Road 2 - Adelaide Road/B509 UCL Academy | 526852 | 184138 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM169 | King Henry's Road 3 - Avenue Road | 526885 | 183959 | Roadside | Y | 18.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM170 | King Henry's Road 4 - Queens Grove | 526924 | 183780 | Roadside | Y | 8 | <0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM171 | King Henry's Road 5 - Elsworthy Road between Avenue Road and Wadham Gardens | 527018 | 183899 | Roadside | Y | 15 | <0.5 | 2.5 | NO ₂ | N |
| CAM172 | King Henry's Road 6 - Elsworthy Road between Lower Merton Rise and Elsworthy Terrace | 527372 | 184086 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM173 | King Henry's Road 7 - Elsworthy Road between Elsworth Rise and Primrose Hill Road | 527517 | 184159 | Roadside | Y | 12 | <0.5 | 2.5 | NO ₂ | N |
| CAM174 | King Henry's Road 8 - King Henry's Road between Adelaide Road and Harley Road | 526930 | 184135 | Roadside | Y | 9 | <0.5 | 2.5 | NO ₂ | N |
| CAM175 | King Henry's Road 9 - King Henry's Road between Lyttleton Close and Lower Merton Rise | 527213 | 184163 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM176 | King Henry's Road 10 - King Henry's Road between Quickwood and Primrose Hill Road | 527496 | 184210 | Roadside | Y | 10.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM177 | King Henry's Road 11 - King Henry's Road east of Primrose Hill Road | 527595 | 184210 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM178 | King Henry's Road 12 - Primrose Hill Road between Elsworthy Road and Oppidans Road | 527582 | 184132 | Roadside | Y | 11.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM179 | Torrington-Tavistock/Midland-Judd 1 - Herbrand Street | 530221 | 182086 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM180 | Torrington-Tavistock/Midland-Judd 2 - Guildford Street (west end) | 530234 | 182066 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM181 | Torrington-Tavistock/Midland-Judd 3 - Bernard Street | 530292 | 182162 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM182 | Torrington-Tavistock/Midland-Judd 4 - Grenville Street | 530386 | 182171 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM183 | Torrington-Tavistock/Midland-Judd 5 - Russell Square south | 530210 | 181917 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM184 | Torrington-Tavistock/Midland-Judd 6 - Russell Square north | 530057 | 182060 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM185 | Torrington-Tavistock/Midland-Judd 7 - Woburn Place | 530098 | 182122 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM186 | Torrington-Tavistock/Midland-Judd 8 - Bedford Way | 530001 | 182105 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM187 | Torrington-Tavistock/Midland-Judd 9 - Montague Place | 530015 | 181854 | Roadside | Y | 16 | <0.5 | 2.5 | NO ₂ | N |
| CAM188 | Torrington-Tavistock/Midland-Judd 10 - Keppel Street | 529854 | 181852 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM189 | Torrington-Tavistock/Midland-Judd 11 - Tavistock Place | 530104 | 182388 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM190 | Torrington-Tavistock/Midland-Judd 12 - Coram Street | 530097 | 182242 | Roadside | Y | 12 | <0.5 | 2.5 | NO ₂ | N |

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|--------|--|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM191 | Torrington-Tavistock/Midland-Judd 13 - Marchmont Street | 530177 | 182316 | Roadside | Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM192 | Torrington-Tavistock/Midland-Judd 14 - Hunter Street | 530280 | 182407 | Roadside | Y | 9 | <0.5 | 2.5 | NO ₂ | N |
| CAM193 | Torrington-Tavistock/Midland-Judd 15 - Handel Street | 530338 | 182420 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM194 | Torrington-Tavistock/Midland-Judd 16 - Tavistock Place/Regent's Square | 530343 | 182500 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM195 | Torrington-Tavistock/Midland-Judd 17 - Marchmont Street | 530122 | 182465 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM196 | Torrington-Tavistock/Midland-Judd 18 - Leigh Street | 530193 | 182529 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM197 | Torrington-Tavistock/Midland-Judd 19 - Sandwich Street | 530109 | 182567 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM198 | Torrington-Tavistock/Midland-Judd 20 - Hastings Street | 530100 | 182682 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM199 | Torrington-Tavistock/Midland-Judd 21 - Judd Street | 530138 | 182696 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM200 | Torrington-Tavistock/Midland-Judd 22 - Midland Road | 530044 | 182947 | Roadside | Y | <1 | <0.5 | 2.5 | NO ₂ | N |
| CAM201 | Torrington-Tavistock/Midland-Judd 23 - Bidborough Street | 530054 | 182710 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM202 | Torrington-Tavistock/Midland-Judd 24 - Mabledon Place | 529985 | 182674 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM203 | Torrington-Tavistock/Midland-Judd 25 - Duke's Road | 529893 | 182540 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |

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|--------|--|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM204 | Torrington-Tavistock/Midland-Judd 26 - Upper Woburn Place | 529860 | 182451 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM205 | Torrington-Tavistock/Midland-Judd 27 - Endsleigh Street | 529753 | 182452 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM206 | Torrington-Tavistock/Midland-Judd 28 - Gower Place | 529509 | 182363 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM207 | Torrington-Tavistock/Midland-Judd 29 - Cleveland Street | 529236 | 181811 | Roadside | Y | 0.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM208 | Torrington-Tavistock/Midland-Judd 30 - Guildford Street | 530352 | 182100 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM209 | Torrington-Tavistock/Midland-Judd 31 - Bloomsbury Square | 530402 | 181627 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM210 | Torrington-Tavistock/Midland-Judd 32 - St. Joseph's Roman Catholic Primary School (Macklin Street) | 530385 | 181352 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM211 | Torrington-Tavistock/Midland-Judd 33 - High Holborn (174-177) | 530165 | 181329 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM212 | Torrington-Tavistock/Midland-Judd 34 - Southampton Row | 530278 | 181926 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM213 | Torrington-Tavistock/Midland-Judd 35 - High Holborn (199-206) | 530386 | 181485 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM214 | Torrington-Tavistock/Midland-Judd 36 - Great Russell Street | 530205 | 181673 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM215 | Torrington-Tavistock/Midland-Judd 37 - UCL Department of Chemistry - Christopher Ingold Building (Gordon Street) | 529649 | 182364 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM216 | WEP 1 - Warren Street (5) | 529281 | 182256 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM217 | WEP 2 - Grafton Way (40) | 529364 | 182207 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM218 | WEP 3 - Tottenham Court Road (188) | 529467 | 181964 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM219 | WEP 4 - Woburn Mansions (30 Torrington Place) | 529555 | 181988 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM220 | WEP 5 - Tottenham Court Road (216) | 529608 | 181749 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM221 | WEP 6 - Alfred Place (9) | 529646 | 181775 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM222 | WEP 7 - Charlotte Street (12) | 529531 | 181588 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM223 | WEP 8 - Tottenham Court Road (24-27) | 529725 | 181553 | Roadside | Y | 10.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM224 | WEP 9 - Tottenham Court Road (279) | 529816 | 181391 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM225 | WEP 10 - Denmark Street (5) | 529901 | 181254 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM226 | WEP 11 - Shaftesbury Avenue (109) | 530095 | 181327 | Roadside | Y | 16 | <0.5 | 2.5 | NO ₂ | N |
| CAM227 | WEP 12 - Bloomsbury Street (1) | 530051 | 181454 | Roadside | Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM228 | WEP 13 - Bedford Square (7A) | 529900 | 181708 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM229 | WEP 14 - Gower Street (89) | 529650 | 182060 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM230 | WEP 15 - Gower Street (136) | 529443 | 182350 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM231 | WEP 16 - Gordon Street (20) | 529682 | 182314 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM232 | WEP 17 - Euston Road (137) | 529905 | 182667 | Roadside | Y | 3.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM233 | WEP 18 - Bedford Square (41) | 529844 | 181551 | Roadside | Y | 1.5 | 1 | 2.5 | NO ₂ | N |
| CAM234 | WEP 19 - Monmouth Street (25) | 530074 | 181163 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |

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|--------|--|--------|--------|----------|------|-----|------|-----|-----------------|---|
| CAM235 | WEP 20 - Monmouth Street (30) | 530056 | 181082 | Roadside | Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM236 | WEP 21 - Tottenham Court Road (185-186) | 529460 | 181975 | Roadside | Y | 7.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM237 | WEP 22 - Tottenham Court Road (55) | 529590 | 181751 | Roadside | Y | 4 | <0.5 | 2.5 | NO ₂ | N |
| CAM238 | WEP 23 - Tottenham Court Road (279) | 529812 | 181400 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM239 | WEP 24 - Tower Street | 530032 | 181005 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM240 | WEP 25 - Neal Street | 530178 | 181127 | Roadside | 1.5Y | 1.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM241 | Shaftesbury 1 - Shelton Street | 530042 | 181188 | Roadside | Y | 1.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM242 | Shaftesbury 2 - Mercer Street South | 529978 | 181100 | Roadside | Y | 1.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM243 | Shaftesbury 3 - Monmouth Street South | 530073 | 181169 | Roadside | Y | 1.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM244 | Shaftesbury 4 - Tower Street | 530059 | 181041 | Roadside | Y | 1 | 0.5 | 2.5 | NO ₂ | N |
| CAM245 | Shaftesbury 5 - Earlham Street West | 530036 | 181120 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM246 | Shaftesbury 6 - Shaftesbury Avenue South | 530086 | 181070 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM247 | Shaftesbury 7 - Mercer Street North | 530131 | 181105 | Roadside | Y | 1.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM248 | Shaftesbury 8 - Shaftesbury Avenue North | 530018 | 181078 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM249 | Shaftesbury 9 - Monmouth Street North | 530009 | 181037 | Roadside | Y | 2 | 0.5 | 2.5 | NO ₂ | N |
| CAM250 | Shaftesbury 10 - Neal Street | 530100 | 181029 | Roadside | Y | 2 | 0.5 | 2.5 | NO ₂ | N |
| CAM251 | Shaftesbury 11 - Shorts Gardens | 530114 | 181134 | Roadside | Y | 1 | 0.5 | 2.5 | NO ₂ | N |
| CAM252 | Shaftesbury 12 - Earlham Street East | 530139 | 181178 | Roadside | Y | 2 | 0.5 | 2.5 | NO ₂ | N |

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|--------|---|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM253 | Canal Location 1 - Rossendale Way | 529497 | 183948 | Roadside | Y | 6.5 | 20 | 2.5 | NO ₂ | N |
| CAM254 | Canal Location 2 - Belsize primary School | 529660 | 183797 | Roadside | Y | <1 | 42.5 | 2.5 | NO ₂ | N |
| CAM255 | Canal Location 3 - Temple | 529698 | 183770 | Roadside | Y | 6 | 49 | 2.5 | NO ₂ | N |
| CAM256 | Canal Location 4 - Co-op | 529748 | 183733 | Roadside | Y | 4 | 22.5 | 2.5 | NO ₂ | N |
| CAM257 | Canal Location 5 - Granary Square | 529988 | 183524 | Roadside | Y | 2 | 79 | 2.5 | NO ₂ | N |
| CAM258 | Estelle Road | 528021 | 185593 | Roadside | Y | 5.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM259 | Courthorpe Road | 527926 | 185614 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM260 | Shirlock Road | 527865 | 185604 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM261 | Kilburn High Road at junction with Kilburn Park Road | 525668 | 183335 | Roadside | Y | 12.5 | 6.5 | 2.5 | NO ₂ | N |
| CAM262 | Kilburn High Road at junction with Oxford Road | 525557 | 183462 | Roadside | Y | 6 | 2 | 2.5 | NO ₂ | N |
| CAM263 | Kilburn High Road opposite Kilburn High Road LO station | 525439 | 183589 | Roadside | Y | 7 | 1 | 2.5 | NO ₂ | N |
| CAM264 | West End Lane (15m down West End Lane from junction with Kilburn High Road) | 525381 | 183708 | Roadside | Y | 1 | 0.5 | 2.5 | NO ₂ | N |
| CAM265 | Kilburn High Road near junction with Victoria Rd. and Quex Rd. | 525258 | 183828 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM266 | Kilburn High Road between Priory Park Road and The Terrace | 525156 | 183991 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM267 | Kilburn High Road at junction with Willesden Lane and Gascony Avenue | 525077 | 184067 | Roadside | Y | 5 | 0.5 | 2.5 | NO ₂ | N |
| CAM268 | Kilburn High Road at corner with Grangeway | 524998 | 184185 | Roadside | Y | 5.5 | 1 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|--------|--|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM269 | Kilburn High Road between Buckley Road and Dyne Road | 524904 | 184281 | Roadside | Y | 4.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM270 | Kilburn High Road at junction with Cavendish Rd. & Iverson Rd. | 524747 | 184500 | Roadside | Y | 3 | 1 | 2.5 | NO ₂ | N |
| CAM271 | Kilburn High Road at junction with Exeter Road | 524631 | 184665 | Roadside | Y | 5 | 6 | 2.5 | NO ₂ | N |
| CAM272 | Swain's Lane north at corner of Bisham Gardens | 528437 | 187270 | Roadside | Y | 6 | <0.5 | 2.5 | NO ₂ | N |
| CAM273 | Swain's Lane south between Hillway and Highgate West Hill | 528324 | 186396 | Roadside | Y | 8 | 1 | 2.5 | NO ₂ | N |
| CAM274 | Dartmouth Park Hill north | 528918 | 186959 | Roadside | Y | 15 | <0.5 | 2.5 | NO ₂ | N |
| CAM275 | Dartmouth Park Hill between Bredgar Road and Hargreave Park | 528967 | 186654 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM276 | Dartmouth Park Hill south | 529025 | 186145 | Roadside | Y | 8 | <0.5 | 2.5 | NO ₂ | N |
| CAM277 | Highgate Road north | 528364 | 186173 | Roadside | Y | 16 | 1 | 2.5 | NO ₂ | N |
| CAM278 | Highgate Road south | 528763 | 185546 | Roadside | Y | 3 | 0.5 | 2.5 | NO ₂ | N |
| CAM279 | Gordon House Road | 528523 | 185778 | Roadside | Y | 3.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM280 | Fortess Walk | 528939 | 185366 | Roadside | Y | 3.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM281 | York Rise | 528788 | 186048 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM282 | Chetwynd Road east | 528924 | 186085 | Roadside | Y | 6 | 0.5 | 2.5 | NO ₂ | N |
| CAM283 | Cathcart Hill | 529119 | 186219 | Roadside | Y | 7.5 | 1 | 2.5 | NO ₂ | N |
| CAM284 | Junction Road | 529179 | 186011 | Roadside | Y | 7 | 0.5 | 2.5 | NO ₂ | N |
| CAM285 | Fortess Road | 529016 | 185533 | Roadside | Y | 13 | <0.5 | 2.5 | NO ₂ | N |
| CAM286 | Somers Town 1 - Midland Road/Pancras Road | 529885 | 183280 | Roadside | Y | 6.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM287 | Somers Town 2 - Chenies Place East | 529813 | 183349 | Roadside | Y | 7.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM288 | Somers Town 3 - Chenies Place West | 529750 | 183288 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|--------|--|--------|--------|----------|---|------|------|-----|-----------------|---|
| CAM289 | Somers Town 4 - Edith Neville Primary School | 529797 | 183187 | Roadside | Y | 13 | <0.5 | 2.5 | NO ₂ | N |
| CAM290 | Somers Town 5 - Charrington Street | 529641 | 183282 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM291 | Somers Town 6 - Goldington Crescent | 529611 | 183444 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM292 | Somers Town 7 - Oakley Square North | 529424 | 183445 | Roadside | Y | 5.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM293 | Somers Town 8 - Crowndale Centre, Eversholt Street | 529224 | 183362 | Roadside | Y | 4 | <1 | 2.5 | NO ₂ | N |
| CAM294 | Somers Town 9 - Harrington Square Gardens | 529229 | 183231 | Roadside | Y | 3.5 | 0.5 | 2.5 | NO ₂ | N |
| CAM295 | Somers Town 10 - Oakley Square South | 529321 | 183239 | Roadside | Y | 18.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM296 | Somers Town 11 - Regent High School, Chalton Street | 529527 | 183264 | Roadside | Y | 5 | <1 | 2.5 | NO ₂ | N |
| CAM297 | Somers Town 12 - Somers Town Sports Centre, Chalton Street | 529601 | 183148 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM298 | Somers Town 13 - St. Aloysius Church, Phoenix Road | 529555 | 182900 | Roadside | Y | 2.5 | <1 | 2.5 | NO ₂ | N |
| CAM299 | Somers Town 14 - Chalton Street North/Phoenix Road | 529717 | 182992 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM300 | Somers Town 15 - Chalton Street South | 529815 | 182830 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM301 | Somers Town 16 - Churchway | 529802 | 182703 | Roadside | Y | 6.5 | 2 | 2.5 | NO ₂ | N |
| CAM302 | Somers Town 17 - Ossulston Street South | 529949 | 182798 | Roadside | Y | 13.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM303 | Somers Town 18 - Levita House | 529887 | 182813 | Roadside | Y | 15 | 40 | 2.5 | NO ₂ | N |
| CAM304 | Somers Town 19 - Ossulston Street North | 529786 | 183038 | Roadside | | 13 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|--------|--|--------|--------|----------|---|-----|------|-----|-----------------|---|
| CAM305 | Somers Town 20 - Francis Crick Institute/Midland Road | 529987 | 183060 | Roadside | Y | 20 | 0.5 | 2.5 | NO ₂ | N |
| CAM306 | Somers Town 21 - Goods Way | 530231 | 183453 | Roadside | Y | 41 | <0.5 | 2.5 | NO ₂ | N |
| CAM307 | Agar Grove eastbound | 529874 | 184379 | Roadside | Y | 4.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM308 | Agar Grove westbound | 529515 | 184274 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM309 | Holmes Road | 528687 | 185016 | Roadside | Y | 2.5 | <0.5 | 2.5 | NO ₂ | N |
| CAM310 | Holborn 1 - Great Russell Street | 530149 | 181611 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM311 | Holborn 2 - New Oxford Street | 530250 | 181473 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM312 | Holborn 3 - Vernon Place | 530414 | 181645 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM313 | Holborn 4 - Newton Street | 530429 | 181459 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM314 | Holborn 5 - Kingsway | 530608 | 181291 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM315 | Holborn 6 - High Holborn | 530755 | 181566 | Roadside | Y | 2 | <0.5 | 2.5 | NO ₂ | N |
| CAM316 | Holborn 7 - Red Lion Square East | 530573 | 181653 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM317 | Holborn 8 - Red Lion Square West | 530743 | 181719 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM318 | Holborn 9 - Theobalds Road | 530845 | 181904 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM319 | Holborn 10 - Great Ormond Street | 530529 | 182013 | Roadside | Y | 1 | <0.5 | 2.5 | NO ₂ | N |
| CAM320 | Clerkenwell 1 - Clerkenwell Road between Herbal Hill and Back Hill | 531321 | 182050 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM321 | Clerkenwell 2 - Clerkenwell Road at junction with Back Hill | 531223 | 182034 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM322 | Clerkenwell 3 - Laystall Road south | 531160 | 182039 | Roadside | Y | 14 | <0.5 | 2.5 | NO ₂ | N |
| CAM323 | Clerkenwell 4 - Clerkenwell Road at junction with Rosebery Avenue | 531012 | 181982 | Roadside | Y | 12 | <0.5 | 2.5 | NO ₂ | N |

| | | | | | | | | | | |
|--------|--|--------|--------|----------|---|----|------|-----|-----------------|---|
| CAM324 | Clerkenwell 5 - Rosebery Ave/Laystall St | 531092 | 182097 | Roadside | Y | 10 | <0.5 | 2.5 | NO ₂ | N |
| CAM325 | Clerkenwell 6 - Rosebery Ave/Warner St | 531123 | 182188 | Roadside | Y | 7 | <0.5 | 2.5 | NO ₂ | N |
| CAM326 | CT Cycle 1 - Pratt Street between Bayham Street and Pratt Mews | 529042 | 183678 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM327 | CT Cycle 2 - Farrier Street | 529011 | 184402 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |
| CAM328 | CT Cycle 3 - Prince Albert Road between car park and St. Mark's Church | 528379 | 183669 | Roadside | Y | 5 | <0.5 | 2.5 | NO ₂ | N |
| CAM329 | CT Cycle 4 - Pratt Street at junction with Camden Street | 529231 | 183805 | Roadside | Y | 3 | <0.5 | 2.5 | NO ₂ | N |

Notes:

- (1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property).
- (2) N/A if not applicable.

1.2 Comparison of Monitoring Results with AQOs

Concentration values are those at the location of the monitoring site (bias adjusted and annualised, as required), not those following any fall-off with distance correction.

Table D. Annual Mean NO₂ Monitoring Results: Automatic Monitoring (µg/m³)

| Site ID | Site type | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|------------------|---|--|------------------|------------------------------|------------------|-----------|-----------|-----------|-----------|
| BL0 | Urban Background | - | 99.06 | 38 | 36 | 32 | 28 | 27 | 26 | 24 |
| CD1 | Kerbside | - | 99.46 | 53 | 54 | 43 | 33 | 44 | 37 | 33 |
| CD9 | Roadside | - | 99.34 | <u>83</u> | <u>82^c</u> | <u>70</u> | 43 | 48 | 45 | 46 |
| CD010 | Roadside | - | 97.89 | - | - | - | - | 30 | 29 | 28 |

Notes:

The annual mean concentrations are presented as µg m⁻³

Exceedances of the NO₂ annual mean AQO of 40 µg m⁻³ are shown in **bold**.

NO₂ annual means in excess of 60 µg m⁻³, indicating a potential exceedance of the NO₂ hourly mean AQS objective are shown in **bold and underlined**.

Means for diffusion tubes have been corrected for bias.

All means have been “annualised” in accordance with LLAQM Technical Guidance if valid data capture for the calendar year is less than 75% and greater than 25%.

Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on annual mean NO₂ data from automatic monitoring

There has been an overall downward trend in annual NO₂ concentrations recorded over the last seven years by automatic monitoring sites, which continued in 2023 with three out of the four sites recording a reduction in annual NO₂ concentration when compared to the previous year; only Euston Road (CD9) recorded a marginal increase of 0.3 µg m⁻³. In 2023, there has been an average reduction in annual mean NO₂ concentrations of 1.5 µg m⁻³ (five percent) across Camden's automatic monitoring portfolio when compared to 2022.

In the last seven years of monitoring, the London Bloomsbury (BL0) urban background monitoring site has consistently recorded decreasing NO₂ concentrations year on year. The other three monitoring sites have similarly recorded reduced concentrations of NO₂ during this period. However, the impact of the COVID pandemic and associative lockdowns on local traffic flow and air quality can be gleaned from the significant decrease recorded in 2020, emphasising the relationship between vehicle use and air pollution at these roadside locations. It is therefore important to note the improvements in ambient air quality that have since been made in the intervening period, which has resulted in annual NO₂ concentrations for 2023 recording on average two percent lower than in 2020 across Camden's automatic monitoring network despite significantly reduced vehicular traffic throughout much of the 2020 monitoring year.

Figure 1 shows annual mean NO₂ concentration as measured at four automatic monitoring sites in Camden, illustrating the long-term reduction in this pollutant however, the gap to achieving the WHO 2021 standards is clear to see.

Figure 1. Automatic Monitoring Annual Mean NO₂ Concentration

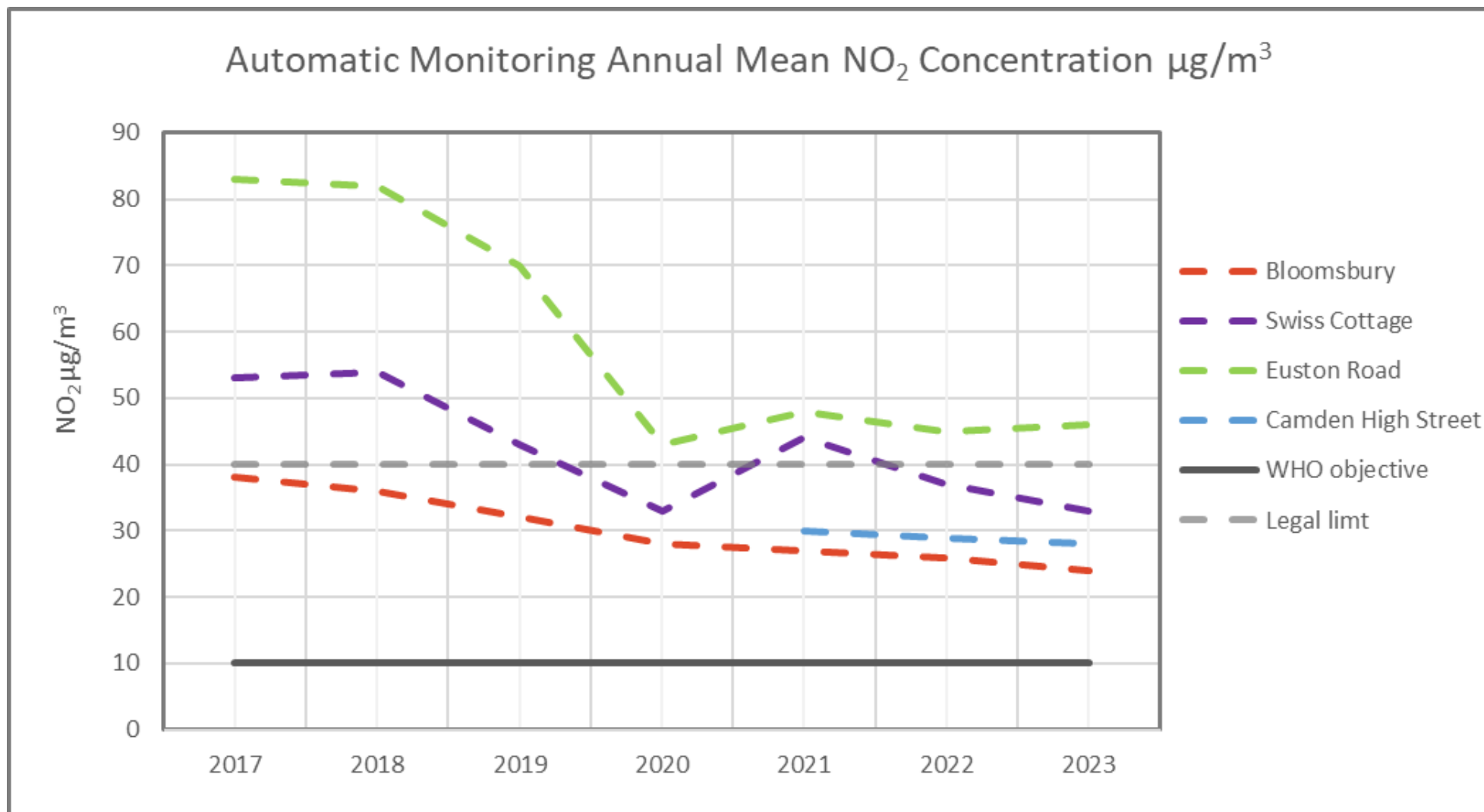


Table E. Annual Mean NO₂ Monitoring Results: Non-Automatic Monitoring (µg/m³)

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|-------|-------|-------|-------|-------|-------|
| CAM1 | 529030 | 185687 | Roadside | - | 100% | - | 33.7 | 31.25 | 22.74 | 21.63 | 19.84 | 18.90 |
| CAM2 | 526518 | 185938 | Roadside | - | 100% | - | 29.57 | 24.46 | 18.99 | 17.25 | 16.17 | 19.76 |
| CAM3 | 526518 | 185989 | Roadside | - | 100% | - | 32.16 | 26.41 | 20.24 | 19.07 | 17.6 | 21.26 |
| CAM4 | 528159 | 185641 | Roadside | - | 92% | - | 30.24 | 24.44 | 19.18 | 18.06 | 17.98 | 19.39 |
| CAM5 | 528098 | 185597 | Roadside | - | 100% | - | 30.58 | 26.47 | 20.31 | 19.34 | 19.87 | 21.35 |
| CAM6 | 526345 | 184876 | Roadside | - | 100% | - | - | 31.65 | 23.55 | 22.37 | 20.39 | 25.02 |
| CAM7 | 526479 | 185411 | Roadside | - | 83% | - | - | 39.5 | 30.61 | 29.19 | 28.31 | 23.71 |
| CAM8 | 526226 | 185337 | Roadside | - | 100% | - | - | 29.75 | 22.69 | 22 | 19.85 | 22.27 |
| CAM9 | 526499 | 186122 | Roadside | - | 50% | - | - | 20.9 | 17.79 | 16.82 | 16.13 | 15.75 |
| CAM10 | 528302 | 183932 | Roadside | - | 83% | - | - | - | 23.47 | 20.19 | 19.93 | 22.57 |
| CAM11 | 524345 | 185133 | Roadside | - | 92% | - | - | - | - | 24.4 | 23.6 | 24.42 |
| CAM12 | 529918 | 184786 | Roadside | - | 92% | - | - | - | 24.09 | 21.32 | 19.88 | 23.48 |
| CAM13 | 529845 | 181595 | Roadside | - | 83% | - | - | - | - | 22.95 | 22.62 | 24.51 |
| CAM14 | 529804 | 181519 | Roadside | - | 83% | - | - | - | - | 26.2 | 27.04 | 31.70 |
| CAM15 | 529805 | 181703 | Roadside | - | 67% | - | - | - | - | 24.09 | 24.31 | 26.53 |
| CAM16 | 530210 | 182748 | Roadside | - | 83% | - | - | - | - | 24.91 | 24.22 | 25.71 |
| CAM17 | 529583 | 183051 | Roadside | - | 92% | - | - | - | - | 22.3 | 22.76 | 24.20 |
| CAM18 | 529617 | 182935 | Roadside | - | 100% | - | - | - | - | 23.75 | 23.68 | 27.16 |
| CAM19 | 529522 | 183089 | Roadside | - | 58% | - | - | - | - | 22.9 | 21.92 | 22.78 |
| CAM20 | 526856 | 185301 | Roadside | - | 100% | - | - | - | - | 19.56 | 19 | 20.85 |
| CAM21 | 526929 | 185226 | Roadside | - | 100% | - | - | - | - | 19.26 | 19.03 | 20.82 |
| CAM22 | 527006 | 185160 | Roadside | - | 100% | - | - | - | - | 19.47 | 19.48 | 21.50 |
| CAM23 | 527067 | 185152 | Roadside | - | 100% | - | - | - | - | 20.31 | 20.99 | 22.71 |
| CAM24 | 525116 | 184772 | Roadside | - | 100% | - | - | - | - | 19.6 | 19.3 | 23.20 |
| CAM25 | 525199 | 184709 | Roadside | - | 83% | - | - | - | - | 24.24 | 24.56 | 24.59 |
| CAM26 | 525030 | 184701 | Roadside | - | 100% | - | - | - | - | 21.92 | 21.3 | 24.17 |
| CAM27 | 529114 | 185052 | Roadside | - | 92% | - | - | - | - | 20.11 | 19.05 | 22.07 |
| CAM28 | 529112 | 184960 | Roadside | - | 58% | - | - | - | - | 18.98 | 21.69 | 24.77 |
| CAM29 | 529113 | 184869 | Roadside | - | 100% | - | - | - | - | 19.7 | 19.86 | 21.36 |
| CAM30 | 531028 | 182092 | Roadside | - | 92% | - | - | - | - | 33.33 | 33.7 | 32.48 |
| CAM31 | 528745 | 186598 | Roadside | - | 100% | - | - | - | - | 18.4 | 17.78 | 20.16 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|--------------|--------------|-------|-------|-------|-------|
| CAM32 | 528685 | 186614 | Roadside | - | 92% | - | - | - | - | 22.79 | 21.61 | 23.73 |
| CAM33 | 528876 | 186421 | Roadside | - | 92% | - | - | - | - | 17.61 | 16.48 | 19.42 |
| CAM34 | 528835 | 182980 | Roadside | - | 100% | - | - | - | - | 19.51 | 19.33 | 20.68 |
| CAM35 | 528814 | 182873 | Roadside | - | 92% | - | - | - | - | 22.86 | 21.93 | 21.27 |
| CAM36 | 524928 | 185092 | Roadside | - | 100% | - | - | - | - | 21.21 | 19.8 | 22.61 |
| CAM37 | 525036 | 185121 | Roadside | - | 83% | - | - | - | - | 21.36 | 19.2 | 22.46 |
| CAM38 | 524860 | 185039 | Roadside | - | 100% | - | - | - | - | 20.9 | 20.01 | 22.48 |
| CAM39 | 526216 | 184457 | Roadside | - | 92% | - | - | - | - | 21.08 | 19.79 | 23.84 |
| CAM40 | 528903 | 185009 | Roadside | - | 92% | - | - | - | - | 18.46 | 18.58 | 20.86 |
| CAM41 | 528853 | 184975 | Roadside | - | 83% | - | - | - | - | 18.73 | 18.78 | 19.86 |
| CAM42 | 529409 | 184720 | Roadside | - | 50% | - | - | - | - | 22.11 | 20.24 | 26.82 |
| CAM43 | 526343 | 185755 | Roadside | - | 92% | - | - | - | - | 19.46 | 19.54 | 21.61 |
| CAM44 | 528338 | 184776 | Roadside | - | 100% | - | - | - | - | 19.27 | 19.31 | 22.66 |
| CAM45 | 528233 | 184430 | Roadside | - | 92% | - | - | - | - | 23.4 | 23.43 | 23.24 |
| CAM46 | 529113 | 182561 | Roadside | - | 92% | - | - | - | - | 23.76 | 22.87 | 23.09 |
| CAM47 | 530760 | 182782 | Roadside | - | 58% | - | 55.49 | 48.27 | 30.91 | 34.82 | 32.26 | 36.39 |
| CAM48 | 530705 | 182701 | Roadside | - | 75% | - | 38.97 | 32.93 | 23.97 | 23.88 | 24.48 | 25.37 |
| CAM49 | 530879 | 182342 | Roadside | - | 92% | - | 43.12 | 37.79 | 25.98 | 24.07 | 27.77 | 30.33 |
| CAM50 | 530822 | 182276 | Roadside | - | 83% | - | 51.12 | 46.62 | 27.96 | 29.35 | 29.69 | 36.25 |
| CAM51 | 531294 | 182146 | Roadside | - | 92% | - | 39.14 | 33.42 | 22.9 | 23.04 | 22.53 | 25.07 |
| CAM52 | 531239 | 182105 | Roadside | - | 92% | - | 37.17 | 32.7 | 23.77 | 22.22 | 23.46 | 25.35 |
| CAM53 | 530990 | 182574 | Roadside | - | 83% | - | 42.8 | 37.01 | 26.27 | 25.09 | 23.85 | 27.93 |
| CAM54 | 531147 | 182179 | Roadside | - | 67% | - | 42.98 | 36.01 | 24.66 | 23.9 | 24.95 | 25.04 |
| CAM55 | 530620 | 182633 | Roadside | - | 83% | - | - | - | 28.35 | 30.11 | 30.21 | 33.18 |
| CAM56 | 530775 | 182346 | Roadside | - | 92% | - | - | - | 25.57 | 24.26 | 23.08 | 28.34 |
| CAM57 | 531056 | 181822 | Roadside | - | 75% | - | - | - | 27 | 27.17 | 29.55 | 29.82 |
| CAM58 | 530915 | 182046 | Roadside | - | 92% | - | - | - | - | 23.53 | 24.59 | 26.92 |
| CAM59 | 530823 | 182079 | Roadside | - | 92% | - | - | - | - | 25.29 | 26.31 | 29.51 |
| CAM60 | 530884 | 182124 | Roadside | - | 92% | - | - | - | - | 27.86 | 30.53 | 31.95 |
| CAM61 | 530965 | 182112 | Roadside | - | 92% | - | - | - | - | 27.3 | 28.69 | 28.63 |
| CAM62 | 528305 | 184657 | Roadside | - | 75% | - | 49.8 | 42.59 | - | 30.21 | 29.13 | 30.24 |
| CAM63 | 528179 | 184606 | Roadside | - | 92% | - | 35.1 | 33.72 | 21.93 | 22.49 | 20.67 | 24.04 |
| CAM64 | 527990 | 184602 | Roadside | - | 75% | - | 38.26 | 36.59 | 22.05 | 23.53 | 22.49 | 22.29 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|------------------|--|---------------------------------|--------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| CAM65 | 528244 | 184587 | Roadside | - | 92% | - | 35.61 | 33.06 | 21.59 | 20.41 | 21.35 | 24.23 |
| CAM66 | 528377 | 184599 | Roadside | - | 92% | - | 38.45 | 34.47 | 23.7 | 24.46 | 23.62 | 27.17 |
| CAM67 | 528380 | 184636 | Roadside | - | 92% | - | 46.54 | 41.21 | 26.66 | 30.32 | 28.55 | 31.83 |
| CAM68 | 528537 | 184626 | Roadside | - | 92% | - | 36.54 | 32.23 | 21.65 | 21.67 | 22.79 | 22.94 |
| CAM69 | 528736 | 184719 | Roadside | - | 75% | - | 45.92 | 39.14 | 25.47 | 27.14 | 26 | 25.51 |
| CAM70 | 530093 | 182792 | Kerbside | - | 92% | - | - | 70.65 | 53.68 | 56.9 | 50.64 | 51.57 |
| CAM71 | 529907 | 182670 | Roadside | - | 100% | - | - | 65.28 | 46.57 | 46.49 | 43.15 | 47.52 |
| CAM72 | 530430 | 182430 | Urban Background | - | 0% | 34.83 ^c | 26.67 | 25.22 | - | - | - | |
| CAM73 | 530512 | 182511 | Urban Background | - | 100% | - | - | 28.31 | 22.47 | 17.23 | 19.21 | 17.74 |
| CAM74 | 529013 | 185102 | Roadside | - | 100% | 68.84^c | 54.66 | 46.07 | 34.23 | 32.57 | 28.97 | 28.14 |
| CAM75 | 526213 | 185519 | Urban Background | - | 83% | 29.64 ^c | 22.12 | 23.34 | 18.68 | 15.14 | 16.35 | 14.72 |
| CAM76 | 526547 | 185125 | Roadside | - | 83% | 66.27^c | 48.13 | 43.51 | 34.47 | 29.75 | 27.61 | 26.65 |
| CAM77 | 526633 | 184392 | Kerbside | - | 100% | - | 62.30^c | 50.89 | - | - | 35.06 | 34.37 |
| CAM78 | 529904 | 183138 | Roadside | - | 92% | - | - | 44.12 | 43.89 | 34.19 | 33.13 | 35.08 |
| CAM79 | 529880 | 182334 | Urban Background | - | 50% | 46.18^c | 35.35 | 33.9 | 26.78 | 22.2 | 23.91 | 21.30 |
| CAM80 | 529689 | 182470 | Roadside | - | 75% | - | - | 49.45 | 35.32 | 34.32 | 30.15 | 27.70 |
| CAM81 | 529568 | 181728 | Kerbside | - | 58% | 74.04^c | 65.75 | 62.62 | 43.27 | 44.18 | 39.95 | 43.87 |
| CAM82 | 525362 | 185255 | Roadside | - | 100% | - | - | 38.75 | 31.8 | 29.36 | 29.81 | 29.03 |
| CAM83 | 528213 | 187203 | Roadside | - | 100% | 44.91^c | 37.37 | 33.26 | 24.87 | 22.31 | 21.95 | 17.74 |
| CAM84 | 529173 | 184129 | Kerbside | - | 100% | 69.30^c | 55.57 | 53.69 | 44.26 | 36.85 | 38.08 | 36.49 |
| CAM85 | 528722 | 185950 | Roadside | - | 100% | 50.55^c | 38.68 | 36.06 | 29.97 | 24.48 | 25.46 | 23.96 |
| CAM86 | 529962 | 181620 | Kerbside | - | 100% | 71.18^c | 59.43 | 49.60 | 29.52 | 32.91 | 30.8 | 29.49 |
| CAM87 | 529118 | 185913 | Roadside | - | 100% | - | 42.55 | 37.89 | 28.54 | 25.83 | 24.86 | 24.23 |
| CAM88 | 529099 | 185881 | Roadside | - | 75% | - | 27.11 | 28.05 | 20.44 | 19.58 | 20.12 | 18.81 |
| CAM89 | 529060 | 185848 | Roadside | - | 92% | - | 30.51 | 29.9 | 23.14 | 22.85 | 20.2 | 19.73 |
| CAM90 | 529334 | 183868 | Roadside | - | 67% | - | - | 32.25 | 24.62 | 23.81 | 22.57 | 22.41 |
| CAM91 | 529142 | 183738 | Roadside | - | 100% | - | - | 33.38 | 28.15 | 24.05 | 23.06 | 28.33 |
| CAM92 | 529054 | 183772 | Roadside | - | 100% | - | - | 57.88 | 47.58 | 39.85 | 36.05 | 39.42 |
| CAM93 | 529010 | 183795 | Roadside | - | 100% | - | - | 39.78 | 32.34 | 27.88 | 28.48 | 31.59 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|------|--------------|-------|-------|-------|-------|
| CAM94 | 528971 | 183636 | Roadside | - | 92% | - | - | 34.5 | 27.32 | 31.8 | 28.33 | 36.10 |
| CAM95 | 528968 | 183551 | Roadside | - | 92% | - | - | 31.88 | 25.98 | 23.38 | 22.7 | 25.60 |
| CAM96 | 528881 | 183697 | Roadside | - | 75% | - | - | 34.03 | 27.27 | 25.03 | 23.38 | 27.48 |
| CAM97 | 528867 | 183547 | Roadside | - | 92% | - | - | 33.06 | 25.61 | 23.98 | 23.41 | 24.77 |
| CAM98 | 528866 | 183590 | Roadside | - | 100% | - | - | 42.99 | 34.65 | 31.28 | 31.87 | 34.22 |
| CAM99 | 528836 | 183625 | Roadside | - | 92% | - | - | 29.72 | 23.1 | 21.68 | 20.27 | 23.07 |
| CAM100 | 528695 | 183596 | Roadside | - | 100% | - | - | 35.61 | 29.24 | 30.08 | 26.98 | 30.15 |
| CAM101 | 528654 | 183570 | Roadside | - | 92% | - | - | 46.32 | 38.58 | 36.17 | 32.88 | 34.66 |
| CAM102 | 528604 | 183457 | Roadside | - | 100% | - | - | 35.01 | 31.47 | 28.49 | 26.71 | 30.32 |
| CAM103 | 528636 | 183577 | Roadside | - | 92% | - | - | 41.85 | 35.74 | 30.81 | 29.97 | 33.45 |
| CAM104 | 528560 | 183695 | Roadside | - | 83% | - | - | 31.04 | 27.56 | 24.66 | 23.26 | 28.60 |
| CAM105 | 528724 | 183702 | Roadside | - | 50% | - | - | 41.99 | 35.9 | 33.98 | 31.04 | 30.58 |
| CAM106 | 529548 | 184449 | Roadside | - | 92% | - | - | 30.49 | - | 20.87 | 18.93 | 21.65 |
| CAM107 | 529677 | 184531 | Roadside | - | 100% | - | - | 29.02 | - | 20.32 | 19.52 | 22.50 |
| CAM108 | 529725 | 184680 | Roadside | - | 100% | - | - | 29.46 | - | 20.59 | 19.29 | 22.59 |
| CAM109 | 529767 | 184734 | Roadside | - | 92% | - | - | 31.17 | - | 20.67 | 20.16 | 25.78 |
| CAM110 | 529754 | 184457 | Roadside | - | 92% | - | - | 31.26 | - | 21.49 | 20.51 | 24.39 |
| CAM111 | 526456 | 184931 | Roadside | - | | - | - | 27.57 | - | - | - | - |
| CAM112 | 526586 | 184586 | Roadside | - | | - | - | 40.11 | - | - | - | - |
| CAM113 | 526559 | 184324 | Roadside | - | | - | - | 28.66 | - | - | - | - |
| CAM114 | 526815 | 184322 | Roadside | - | | - | - | 36.15 | - | - | - | - |
| CAM115 | 527010 | 184452 | Roadside | - | | - | - | 29.7 | - | - | - | - |
| CAM116 | 526984 | 184239 | Roadside | - | | - | - | 33.15 | - | - | - | - |
| CAM117 | 527318 | 184555 | Roadside | - | | - | - | 38 | - | - | - | - |
| CAM118 | 526948 | 184906 | Roadside | - | | - | - | 31.92 | - | - | - | - |
| CAM119 | 527278 | 185153 | Roadside | - | | - | - | 40.39 | - | - | - | - |
| CAM120 | 527314 | 185509 | Roadside | - | | - | - | 44.99 | - | - | - | - |
| CAM121 | 528081 | 184490 | Roadside | - | 100% | - | - | 33.06 | 23.51 | 20.97 | 22.04 | 21.20 |
| CAM122 | 528558 | 184331 | Roadside | - | 100% | - | - | 31.74 | 24.89 | 20.65 | 18.49 | 18.40 |
| CAM123 | 528619 | 184315 | Roadside | - | 100% | - | - | 31.8 | 26.13 | 20.65 | 21.42 | 19.64 |
| CAM124 | 528881 | 184287 | Roadside | - | 100% | - | - | 42.93 | 34.11 | 26.78 | 27.86 | 28.39 |
| CAM125 | 528935 | 184053 | Roadside | - | 100% | - | - | 45.01 | 33.81 | 27.76 | 27.98 | 26.10 |
| CAM126 | 528898 | 184094 | Roadside | - | 67% | - | - | 38.89 | 32.26 | 25.71 | 26.4 | 22.12 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|------|-------|-------|-------|-------|-------|
| CAM127 | 528704 | 184011 | Roadside | - | 75% | - | - | 38.7 | 29.87 | 25.8 | 22.56 | 21.06 |
| CAM128 | 528722 | 184127 | Roadside | - | 58% | - | - | 41.47 | 33.09 | 26.31 | 27.18 | 25.52 |
| CAM129 | 528845 | 183970 | Roadside | - | 92% | - | - | 38.81 | 30.51 | 29.66 | 27.79 | 26.19 |
| CAM130 | 528884 | 183901 | Roadside | - | 92% | - | - | 47.65 | 37.79 | 31.35 | 30.19 | 30.51 |
| CAM131 | 528915 | 183870 | Kerbside | - | 83% | - | - | 53.9 | 40.71 | 37.04 | 36.87 | 36.50 |
| CAM132 | 528770 | 183887 | Roadside | - | 100% | - | - | 33.97 | 26.9 | 22.71 | 23.27 | 20.60 |
| CAM133 | 528715 | 184456 | Roadside | - | 83% | - | - | 28.09 | 22.1 | 17.93 | 19.94 | 18.03 |
| CAM134 | 528119 | 184354 | Roadside | - | 92% | - | - | 31.43 | 22.15 | 20.87 | 21.46 | 23.33 |
| CAM135 | 528335 | 184338 | Roadside | - | 83% | - | - | 42.38 | 33.28 | 27.11 | 26.69 | 31.98 |
| CAM136 | 528456 | 184345 | Roadside | - | 83% | - | - | 36.73 | 30.33 | 29.4 | 27.76 | 31.06 |
| CAM137 | 528582 | 184265 | Roadside | - | 92% | - | - | 33.72 | 25.18 | 22.66 | 22.76 | 25.45 |
| CAM138 | 527278 | 185153 | Roadside | - | 100% | - | - | - | 30.83 | 30.93 | 32.1 | 32.75 |
| CAM139 | 527184 | 185274 | Roadside | - | 92% | - | - | - | 32.23 | 37.29 | 34.53 | 35.65 |
| CAM140 | 527299 | 185071 | Roadside | - | 100% | - | - | - | 22.51 | 21.83 | 20.65 | 24.25 |
| CAM141 | 527500 | 184974 | Roadside | - | 100% | - | - | - | 26.53 | 26.32 | 26.32 | 26.24 |
| CAM142 | 529606 | 183589 | Roadside | - | 92% | - | - | - | - | 28.34 | 25.39 | 32.29 |
| CAM143 | 529443 | 183941 | Roadside | - | 100% | - | - | - | 27.64 | 25.14 | 24.76 | 28.48 |
| CAM144 | 529405 | 184139 | Roadside | - | 50% | - | - | - | - | 26.99 | - | 32.03 |
| CAM145 | 529233 | 184325 | Roadside | - | 100% | - | - | - | - | 27.2 | 26.39 | 28.97 |
| CAM146 | 529289 | 183697 | Roadside | - | 100% | - | - | - | 23.37 | 23.15 | 21.53 | 26.24 |
| CAM147 | 530004 | 184626 | Roadside | - | 100% | - | - | - | 32.25 | 32.04 | 29.04 | 32.34 |
| CAM148 | 530067 | 184286 | Roadside | - | 100% | - | - | - | - | 36.39 | 31.92 | 34.80 |
| CAM149 | 530320 | 183606 | Roadside | - | 92% | - | - | - | 29.66 | 31.45 | 28.66 | 29.85 |
| CAM150 | 528259 | 185061 | Roadside | - | 75% | - | - | - | - | 21.21 | 20.08 | 22.49 |
| CAM151 | 528191 | 185041 | Roadside | - | 92% | - | - | - | - | 20.46 | 19.98 | 21.40 |
| CAM152 | 528248 | 185360 | Roadside | - | 100% | - | - | - | - | 21.39 | 21.51 | 23.11 |
| CAM153 | 528404 | 185130 | Roadside | - | 92% | - | - | - | - | 20.08 | 20.13 | 21.72 |
| CAM154 | 528516 | 185100 | Roadside | - | 92% | - | - | - | - | 21.28 | 20.93 | 22.79 |
| CAM155 | 528874 | 185037 | Roadside | - | 92% | - | - | - | - | 20.97 | 20.11 | 19.61 |
| CAM156 | 527865 | 185224 | Roadside | - | 100% | - | - | - | - | 25.06 | 26.1 | 26.60 |
| CAM157 | 528251 | 184767 | Roadside | - | 92% | - | - | - | - | 21.29 | 22.44 | 24.84 |
| CAM158 | 528334 | 184832 | Roadside | - | 92% | - | - | - | - | 18.27 | 19.53 | 21.67 |
| CAM159 | 528309 | 185097 | Roadside | - | 92% | - | - | - | - | 20.02 | 20.05 | 22.03 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|
| CAM160 | 528430 | 184837 | Roadside | - | 92% | - | - | - | - | 17.06 | 19.61 | 20.18 |
| CAM161 | 529595 | 185067 | Roadside | - | 67% | - | - | - | - | 21.47 | 20.78 | 23.22 |
| CAM162 | 529842 | 184780 | Roadside | - | 92% | - | - | - | - | 26.14 | 24.71 | 27.73 |
| CAM163 | 529317 | 184124 | Roadside | - | 75% | - | - | - | - | 21.28 | 22.77 | 24.21 |
| CAM164 | 529264 | 184155 | Roadside | - | 100% | - | - | - | - | 26.22 | 24.48 | 28.84 |
| CAM165 | 529310 | 183998 | Roadside | - | 92% | - | - | - | - | 27.07 | 26.48 | 29.90 |
| CAM166 | 529279 | 183390 | Roadside | - | 92% | - | - | - | - | 42.58 | 40.69 | 46.11 |
| CAM167 | 527440 | 184319 | Roadside | - | 83% | - | - | - | - | 33.59 | 38.92 | 41.99 |
| CAM168 | 526852 | 184138 | Roadside | - | 92% | - | - | - | - | 31.14 | 33.83 | 37.22 |
| CAM169 | 526885 | 183959 | Roadside | - | 92% | - | - | - | - | 26.47 | 26.06 | 28.83 |
| CAM170 | 526924 | 183780 | Roadside | - | 100% | - | - | - | - | 22.59 | 21.38 | 23.16 |
| CAM171 | 527018 | 183899 | Roadside | - | 100% | - | - | - | - | 25.47 | 24.54 | 25.62 |
| CAM172 | 527372 | 184086 | Roadside | - | 100% | - | - | - | - | 21.6 | 19.56 | 23.58 |
| CAM173 | 527517 | 184159 | Roadside | - | 100% | - | - | - | - | 21.78 | 19.07 | 22.04 |
| CAM174 | 526930 | 184135 | Roadside | - | 67% | - | - | - | - | 27.78 | 29.24 | 28.47 |
| CAM175 | 527213 | 184163 | Roadside | - | 92% | - | - | - | - | 24.26 | 22.76 | 23.50 |
| CAM176 | 527496 | 184210 | Roadside | - | 92% | - | - | - | - | 23.96 | 22.28 | 23.55 |
| CAM177 | 527595 | 184210 | Roadside | - | 83% | - | - | - | - | 23 | 22.13 | 24.50 |
| CAM178 | 527582 | 184132 | Roadside | - | 100% | - | - | - | - | 25.03 | 21.98 | 24.52 |
| CAM179 | 530221 | 182086 | Roadside | - | | - | 53.4 | 49.02 | 34.71 | - | - | |
| CAM180 | 530234 | 182066 | Roadside | - | | - | 56.93 | 54.13 | 36.64 | - | - | |
| CAM181 | 530292 | 182162 | Roadside | - | | - | 43.16 | 41.53 | 31.02 | - | - | |
| CAM182 | 530386 | 182171 | Roadside | - | 92% | - | 45.73 | 43.83 | 31.97 | 27.61 | 29.57 | 30.10 |
| CAM183 | 530210 | 181917 | Roadside | - | | - | 45.65 | 41.53 | 29.93 | - | - | - |
| CAM184 | 530057 | 182060 | Roadside | - | | - | 53.78 | 46.98 | 31.62 | - | - | - |
| CAM185 | 530098 | 182122 | Roadside | - | | - | 70.46 | 64.49 | 43.26 | - | - | - |
| CAM186 | 530001 | 182105 | Roadside | - | | - | 51.49 | 49.25 | 34.82 | - | - | - |
| CAM187 | 530015 | 181854 | Roadside | - | | - | 42.69 | 40.69 | 29.53 | - | - | - |
| CAM188 | 529854 | 181852 | Roadside | - | | - | 45.57 | 38.82 | 25.42 | - | - | - |
| CAM189 | 530104 | 182388 | Roadside | - | 83% | - | 46.58 | 39.95 | 32.22 | 29.64 | 29.67 | 32.50 |
| CAM190 | 530097 | 182242 | Roadside | - | | - | 49.73 | 45.74 | 37.09 | - | - | - |
| CAM191 | 530177 | 182316 | Roadside | - | | - | 45.55 | 40.05 | 32.09 | - | - | - |
| CAM192 | 530280 | 182407 | Roadside | - | | - | 52.22 | 41.05 | 30.41 | - | - | - |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|-------|-------|-------|-------|-------|-------|
| CAM193 | 530338 | 182420 | Roadside | - | | - | 41.26 | 36.2 | 26.79 | - | - | - |
| CAM194 | 530343 | 182500 | Roadside | - | 100% | - | 48.34 | 41.15 | 28.63 | 27.95 | 26.66 | 29.89 |
| CAM195 | 530122 | 182465 | Roadside | - | | - | 46.2 | 37.89 | 32.3 | - | - | - |
| CAM196 | 530193 | 182529 | Roadside | - | 92% | - | 46.69 | 38.61 | 30.07 | 27.2 | 26.21 | 28.47 |
| CAM197 | 530109 | 182567 | Roadside | - | | - | 43.54 | 36.89 | 27.54 | - | - | - |
| CAM198 | 530100 | 182682 | Roadside | - | | - | 42.6 | 37.74 | 26.85 | - | - | - |
| CAM199 | 530138 | 182696 | Roadside | - | | - | 53.85 | 42.17 | 31.74 | - | - | - |
| CAM200 | 530044 | 182947 | Roadside | - | 83% | - | 71.2 | 57.86 | 39.85 | 35.17 | 35.09 | 38.47 |
| CAM201 | 530054 | 182710 | Roadside | - | | - | 48.48 | 41.84 | 28.07 | - | - | - |
| CAM202 | 529985 | 182674 | Roadside | - | | - | 57.55 | 47.56 | 36.25 | - | - | - |
| CAM203 | 529893 | 182540 | Roadside | - | | - | 50.38 | 42.3 | 31 | - | - | - |
| CAM204 | 529860 | 182451 | Roadside | - | 83% | - | 68.26 | 59.37 | 43.16 | 37.01 | 37.27 | |
| CAM205 | 529753 | 182452 | Roadside | - | | - | 50.69 | 44.64 | 33.24 | - | - | - |
| CAM206 | 529509 | 182363 | Roadside | - | | - | | 47.88 | 32.47 | - | - | - |
| CAM207 | 529236 | 181811 | Roadside | - | | - | | 39.03 | 28.36 | - | - | - |
| CAM208 | 530352 | 182100 | Roadside | - | | - | 45.54 | 46.49 | 31.39 | - | - | - |
| CAM209 | 530402 | 181627 | Roadside | - | | - | 71.25 | 60.36 | 40.34 | - | - | - |
| CAM210 | 530385 | 181352 | Roadside | - | | - | 37.27 | 36.26 | 25.42 | - | - | - |
| CAM211 | 530165 | 181329 | Roadside | - | | - | 58.48 | 54.81 | 35.46 | - | - | - |
| CAM212 | 530278 | 181926 | Roadside | - | | - | 56.02 | 51.48 | 33.98 | - | - | - |
| CAM213 | 530386 | 181485 | Roadside | - | | - | 58.99 | 50.14 | 33.17 | - | - | - |
| CAM214 | 530205 | 181673 | Roadside | - | | - | 52.36 | 44.64 | 29.57 | - | - | - |
| CAM215 | 529649 | 182364 | Roadside | - | | - | 44.12 | 40.04 | 31.17 | - | - | - |
| CAM216 | 529281 | 182256 | Roadside | - | | - | 55.99 | 53.8 | 50.93 | 31.36 | - | - |
| CAM217 | 529364 | 182207 | Roadside | - | | - | 57.56 | 54.1 | 42.19 | 35.13 | - | - |
| CAM218 | 529467 | 181964 | Roadside | - | | - | 50.39 | - | - | - | - | - |
| CAM219 | 529555 | 181988 | Roadside | - | | - | 42.6 | 42.6 | 31.57 | 31.38 | - | - |
| CAM220 | 529608 | 181749 | Roadside | - | | - | 57.75 | - | - | - | - | - |
| CAM221 | 529646 | 181775 | Roadside | - | | - | 38.46 | 35.5 | 27.99 | 26.96 | - | - |
| CAM222 | 529531 | 181588 | Roadside | - | | - | 39.7 | 36.4 | 28.3 | 26.1 | - | - |
| CAM223 | 529725 | 181553 | Roadside | - | | - | 69.44 | 71.8 | 55.42 | 42.02 | - | - |
| CAM224 | 529816 | 181391 | Roadside | - | | - | 70.66 | - | - | - | - | - |
| CAM225 | 529901 | 181254 | Roadside | - | | - | 71.59 | 67.2 | 45.35 | 30.63 | - | - |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|--------------|-------------|--------------|--------------|--------------|--------------|
| CAM226 | 530095 | 181327 | Roadside | - | | - | 64.71 | 56.5 | 33.81 | 39.55 | - | - |
| CAM227 | 530051 | 181454 | Roadside | - | | - | 92.31 | 77.5 | 36.93 | 43.92 | - | - |
| CAM228 | 529900 | 181708 | Roadside | - | | - | 64.88 | 50.5 | 28.04 | 30.77 | - | - |
| CAM229 | 529650 | 182060 | Roadside | - | | - | 57.51 | 45.7 | 26.95 | 32.03 | - | - |
| CAM230 | 529443 | 182350 | Roadside | - | | - | 64.31 | 55.1 | 32.34 | 32.1 | - | - |
| CAM231 | 529682 | 182314 | Roadside | - | | - | 43.71 | 40.3 | 31.46 | 30.56 | - | - |
| CAM232 | 529905 | 182667 | Roadside | - | | - | 74.74 | 69.6 | 47.21 | 46.08 | - | - |
| CAM233 | 529844 | 181551 | Roadside | - | | - | 46.55 | 39.8 | 27.89 | 26.02 | - | - |
| CAM234 | 530074 | 181163 | Roadside | - | | - | - | 46.1 | 28 | 25.31 | - | - |
| CAM235 | 530056 | 181082 | Roadside | - | | - | - | 44.6 | 29.84 | 30.49 | - | - |
| CAM236 | 529460 | 181975 | Roadside | - | | - | - | 55.5 | 40.05 | 38.09 | - | - |
| CAM237 | 529590 | 181751 | Roadside | - | | - | - | 62 | 51.21 | 48.65 | - | - |
| CAM238 | 529812 | 181400 | Roadside | - | | - | - | 57.8 | 47.93 | 43.47 | - | - |
| CAM239 | 530032 | 181005 | Roadside | - | | - | - | - | - | 26.35 | - | - |
| CAM240 | 530178 | 181127 | Roadside | - | | - | - | - | - | 27.11 | - | - |
| CAM241 | 530042 | 181188 | Roadside | - | 75% | - | - | - | 34.2 | 33.1 | 31.31 | 32.55 |
| CAM242 | 529978 | 181100 | Roadside | - | 33% | - | - | - | 32.09 | 27.94 | 28.48 | 26.42 |
| CAM243 | 530073 | 181169 | Roadside | - | 75% | - | - | - | 30.25 | 27.09 | 26.75 | 31.97 |
| CAM244 | 530059 | 181041 | Roadside | - | 92% | - | - | - | 30.98 | 25.03 | 26.86 | 29.41 |
| CAM245 | 530036 | 181120 | Roadside | - | 92% | - | - | - | 35.88 | 30.21 | 31.03 | 35.93 |
| CAM246 | 530086 | 181070 | Roadside | - | 92% | - | - | - | 46.33 | 38.14 | 43.9 | 49.64 |
| CAM247 | 530131 | 181105 | Roadside | - | 83% | - | - | - | 31.25 | 25.74 | 26.6 | 29.56 |
| CAM248 | 530018 | 181078 | Roadside | - | 67% | - | - | - | 44.43 | 37.9 | 42.63 | 50.91 |
| CAM249 | 530009 | 181037 | Roadside | - | 50% | - | - | - | 29.42 | 26.78 | 28.39 | 31.93 |
| CAM250 | 530100 | 181029 | Roadside | - | 67% | - | - | - | 26.74 | 23.68 | 25.51 | 30.04 |
| CAM251 | 530114 | 181134 | Roadside | - | 67% | - | - | - | 29.28 | 23.91 | 26.55 | 29.29 |
| CAM252 | 530139 | 181178 | Roadside | - | 83% | - | - | - | 27.67 | 25.18 | 25.59 | 27.54 |
| CAM253 | 529497 | 183948 | Roadside | - | 67% | - | - | - | - | 21.78 | 21 | 17.09 |
| CAM254 | 529660 | 183797 | Roadside | - | 92% | - | - | - | - | 19.85 | 21.5 | 21.01 |
| CAM255 | 529698 | 183770 | Roadside | - | 92% | - | - | - | - | 19 | 19.95 | 19.05 |
| CAM256 | 529748 | 183733 | Roadside | - | 92% | - | - | - | - | 22.12 | 19.86 | 19.13 |
| CAM257 | 529988 | 183524 | Roadside | - | 100% | - | - | - | - | 23.42 | 23.59 | 24.36 |
| CAM258 | 528021 | 185593 | Roadside | - | 100% | - | - | - | - | 16.57 | 17.97 | 19.77 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|------|------|------|--------------|--------------|--------------|
| CAM259 | 527926 | 185614 | Roadside | - | 100% | - | - | - | - | 17.55 | 17.62 | 20.29 |
| CAM260 | 527865 | 185604 | Roadside | - | 100% | - | - | - | - | 17.24 | 17.78 | 20.11 |
| CAM261 | 525668 | 183335 | Roadside | - | 92% | - | - | - | - | 25.64 | 24.85 | 32.44 |
| CAM262 | 525557 | 183462 | Roadside | - | 100% | - | - | - | - | 28.22 | 28.67 | 33.97 |
| CAM263 | 525439 | 183589 | Roadside | - | 75% | - | - | - | - | 50.98 | 50.93 | 41.99 |
| CAM264 | 525381 | 183708 | Roadside | - | 83% | - | - | - | - | 30.93 | 30.58 | 32.74 |
| CAM265 | 525258 | 183828 | Roadside | - | 50% | - | - | - | - | 42.83 | 49.99 | 37.21 |
| CAM266 | 525156 | 183991 | Roadside | - | 83% | - | - | - | - | 42.26 | 45.58 | 44.06 |
| CAM267 | 525077 | 184067 | Roadside | - | 83% | - | - | - | - | 43.69 | 45.29 | 41.93 |
| CAM268 | 524998 | 184185 | Roadside | - | 58% | - | - | - | - | 29.98 | 31.41 | 31.77 |
| CAM269 | 524904 | 184281 | Roadside | - | 83% | - | - | - | - | 37.84 | 40.87 | 38.63 |
| CAM270 | 524747 | 184500 | Roadside | - | 83% | - | - | - | - | 43.84 | 35.22 | 33.21 |
| CAM271 | 524631 | 184665 | Roadside | - | 67% | - | - | - | - | 35.67 | 36.19 | 38.09 |
| CAM272 | 528437 | 187270 | Roadside | - | 100% | - | - | - | - | 23.31 | 19.49 | 21.32 |
| CAM273 | 528324 | 186396 | Roadside | - | 83% | - | - | - | - | 22.07 | 21.56 | 23.21 |
| CAM274 | 528918 | 186959 | Roadside | - | 100% | - | - | - | - | 24.22 | 20.7 | 22.50 |
| CAM275 | 528967 | 186654 | Roadside | - | 92% | - | - | - | - | 24.85 | 23.18 | 25.20 |
| CAM276 | 529025 | 186145 | Roadside | - | 100% | - | - | - | - | 26.56 | 25.26 | 27.59 |
| CAM277 | 528364 | 186173 | Roadside | - | 100% | - | - | - | - | 41.69 | 31.46 | 32.78 |
| CAM278 | 528763 | 185546 | Roadside | - | 100% | - | - | - | - | 27.36 | 26.77 | 28.87 |
| CAM279 | 528523 | 185778 | Roadside | - | 100% | - | - | - | - | 28.73 | 27.08 | 31.73 |
| CAM280 | 528939 | 185366 | Roadside | - | 100% | - | - | - | - | 27.21 | 26.23 | 29.35 |
| CAM281 | 528788 | 186048 | Roadside | - | 100% | - | - | - | - | 21.02 | 20.05 | 22.67 |
| CAM282 | 528924 | 186085 | Roadside | - | 92% | - | - | - | - | 24.91 | 23.48 | 26.22 |
| CAM283 | 529119 | 186219 | Roadside | - | 100% | - | - | - | - | 21.62 | 20.77 | 24.12 |
| CAM284 | 529179 | 186011 | Roadside | - | 92% | - | - | - | - | 26.97 | 26.03 | 29.71 |
| CAM285 | 529016 | 185533 | Roadside | - | 100% | - | - | - | - | 25.29 | 25.18 | 27.85 |
| CAM286 | 529885 | 183280 | Roadside | - | 100% | - | - | - | - | - | 38.49 | 40.39 |
| CAM287 | 529813 | 183349 | Roadside | - | 100% | - | - | - | - | - | 25.91 | 23.47 |
| CAM288 | 529750 | 183288 | Roadside | - | 100% | - | - | - | - | - | 20.91 | 21.51 |
| CAM289 | 529797 | 183187 | Roadside | - | 100% | - | - | - | - | - | 22.36 | 22.50 |
| CAM290 | 529641 | 183282 | Roadside | - | 100% | - | - | - | - | - | 20.34 | 19.21 |
| CAM291 | 529611 | 183444 | Roadside | - | 100% | - | - | - | - | - | 20.76 | 20.54 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|------|------|------|------|-------|--------------|
| CAM292 | 529424 | 183445 | Roadside | - | 100% | - | - | - | - | - | 25.29 | 25.24 |
| CAM293 | 529224 | 183362 | Roadside | - | 83% | - | - | - | - | - | 28.39 | 29.56 |
| CAM294 | 529229 | 183231 | Roadside | - | 92% | - | - | - | - | - | 27.41 | 26.99 |
| CAM295 | 529321 | 183239 | Roadside | - | 100% | - | - | - | - | - | 28 | 29.64 |
| CAM296 | 529527 | 183264 | Roadside | - | 92% | - | - | - | - | - | 20.84 | 19.66 |
| CAM297 | 529601 | 183148 | Roadside | - | 83% | - | - | - | - | - | 21.08 | 20.17 |
| CAM298 | 529555 | 182900 | Roadside | - | 100% | - | - | - | - | - | 23.91 | 23.21 |
| CAM299 | 529717 | 182992 | Roadside | - | 100% | - | - | - | - | - | 22.91 | 22.60 |
| CAM300 | 529815 | 182830 | Roadside | - | 100% | - | - | - | - | - | 23.05 | 22.47 |
| CAM301 | 529802 | 182703 | Roadside | - | 100% | - | - | - | - | - | 27.86 | 27.17 |
| CAM302 | 529949 | 182798 | Roadside | - | 100% | - | - | - | - | - | 25.15 | 26.09 |
| CAM303 | 529887 | 182813 | Roadside | - | 100% | - | - | - | - | - | 23.76 | 22.64 |
| CAM304 | 529786 | 183038 | Roadside | - | 100% | - | - | - | - | - | 27.53 | 26.14 |
| CAM305 | 529987 | 183060 | Roadside | - | 100% | - | - | - | - | - | 32.09 | 33.31 |
| CAM306 | 530231 | 183453 | Roadside | - | 92% | - | - | - | - | - | 30.48 | 28.60 |
| CAM307 | 529874 | 184379 | Roadside | - | 100% | - | - | - | - | - | 26.59 | 30.33 |
| CAM308 | 529515 | 184274 | Roadside | - | 92% | - | - | - | - | - | 25.07 | 28.31 |
| CAM309 | 528687 | 185016 | Roadside | - | 92% | - | - | - | - | - | 24.16 | 25.33 |
| CAM310 | 530149 | 181611 | Roadside | - | 83% | - | - | - | - | - | - | 34.42 |
| CAM311 | 530250 | 181473 | Roadside | - | 92% | - | - | - | - | - | - | 28.47 |
| CAM312 | 530414 | 181645 | Roadside | - | 92% | - | - | - | - | - | - | 40.47 |
| CAM313 | 530429 | 181459 | Roadside | - | 92% | - | - | - | - | - | - | 29.32 |
| CAM314 | 530608 | 181291 | Roadside | - | 92% | - | - | - | - | - | - | 39.97 |
| CAM315 | 530755 | 181566 | Roadside | - | 92% | - | - | - | - | - | - | 44.07 |
| CAM316 | 530573 | 181653 | Roadside | - | 92% | - | - | - | - | - | - | 34.86 |
| CAM317 | 530743 | 181719 | Roadside | - | 83% | - | - | - | - | - | - | 26.30 |
| CAM318 | 530845 | 181904 | Roadside | - | 92% | - | - | - | - | - | - | 40.27 |
| CAM319 | 530529 | 182013 | Roadside | - | 83% | - | - | - | - | - | - | 31.50 |
| CAM320 | 531321 | 182050 | Roadside | - | 92% | - | - | - | - | - | - | 33.01 |
| CAM321 | 531223 | 182034 | Roadside | - | 83% | - | - | - | - | - | - | 34.86 |
| CAM322 | 531160 | 182039 | Roadside | - | 92% | - | - | - | - | - | - | 31.20 |
| CAM323 | 531012 | 181982 | Roadside | - | 92% | - | - | - | - | - | - | 41.16 |
| CAM324 | 531092 | 182097 | Roadside | - | 92% | - | - | - | - | - | - | 39.23 |

| Diffusion Tube ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Site Type | Valid Data Capture for Monitoring Period (%) (1) | Valid Data Capture 2023 (%) (2) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------|-------------------------|--------------------------|-----------|--|---------------------------------|------|------|------|------|------|------|--------------|
| CAM325 | 531123 | 182188 | Roadside | - | 92% | - | - | - | - | - | - | 31.95 |
| CAM326 | 529042 | 183678 | Roadside | - | 92% | - | - | - | - | - | - | 42.47 |
| CAM327 | 529011 | 184402 | Roadside | - | 92% | - | - | - | - | - | - | 25.76 |
| CAM328 | 528379 | 183669 | Roadside | - | 67% | - | - | - | - | - | - | 35.05 |
| CAM329 | 529231 | 183805 | Roadside | - | 83% | - | - | - | - | - | - | 27.34 |

Annualisation has been conducted where data capture is <75% and >25% in line with LLAQM.TG19

Diffusion tube data has been bias adjusted.

Reported concentrations are those at the location of the monitoring site (bias adjusted and annualised, as required), i.e. prior to any fall-off with distance correction.

Notes:

The annual mean concentrations are presented as $\mu\text{g}/\text{m}^3$.

Exceedances of the NO₂ annual mean objective of $40\mu\text{g}/\text{m}^3$ are shown in **bold**.

NO₂ annual means exceeding $60\mu\text{g}/\text{m}^3$, indicating a potential exceedance of the NO₂ 1-hour mean objective are shown in **bold and underlined**.

Means for diffusion tubes have been corrected for bias. All means have been “annualised” in accordance with LLAQM Technical Guidance if valid data capture for the calendar year is less than 75% and greater than 25%.

Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Commentary on annual mean NO₂ data from diffusion tube monitoring

In 2023 Camden commenced diffusion tube monitoring at ten new locations (CAM320-CAM329; Clerkenwell and CT Cycle) and are also able to report data collected at a further ten sites at which monitoring commenced in late 2022 (CAM310-CAM319). By the end of 2023, Camden Council was actively measuring NO₂ at 262 diffusion tube sites and four automatic sites. This monitoring network will continue to be reviewed and expanded where appropriate.

The annual mean NO₂ concentrations for 2023 have decreased at 26 of the 32 long-term monitoring locations within the borough when compared to 2022 data, with an average reduction in bias adjusted (and annualised, where necessary) recordings of 1.58 µg/m³ (four percent) across these 26 sites. Of these long-term monitoring sites, there are nine which have had data collected since 2017. During this period, there has been an average reduction in annual NO₂ concentration of 30.95 µg/m³ (54%); this is illustrated in Figure 2 below. The continued reduction in NO₂ over the past seven years is clear, with several sites that were historically far in exceedance of the 40µg/m³ legal limit for NO₂ (such as Kentish Town Road, Tottenham Court Road, and Camden Road) now recording below this level. This does not mean that there will be any reduction in effort to improve air quality throughout Camden: The Council's commitment is to realise the community's vision for a borough in which no person experiences ill health because of the air they breathe.

In total, there have been 240 diffusion tube monitoring locations in Camden with data collected in both 2022 and 2023, with 85 of these recording improved or equivalent NO₂ concentrations in 2023. For the fourth year in a row, no monitoring site has recorded an annual mean above 60 µg/m³, which indicates that the short-term (one-hour) NO₂ objective is likely to have not been exceeded at any of the sites during 2023.

Figure 2. Non-automatic Monitoring Annual Mean NO₂ Concentration

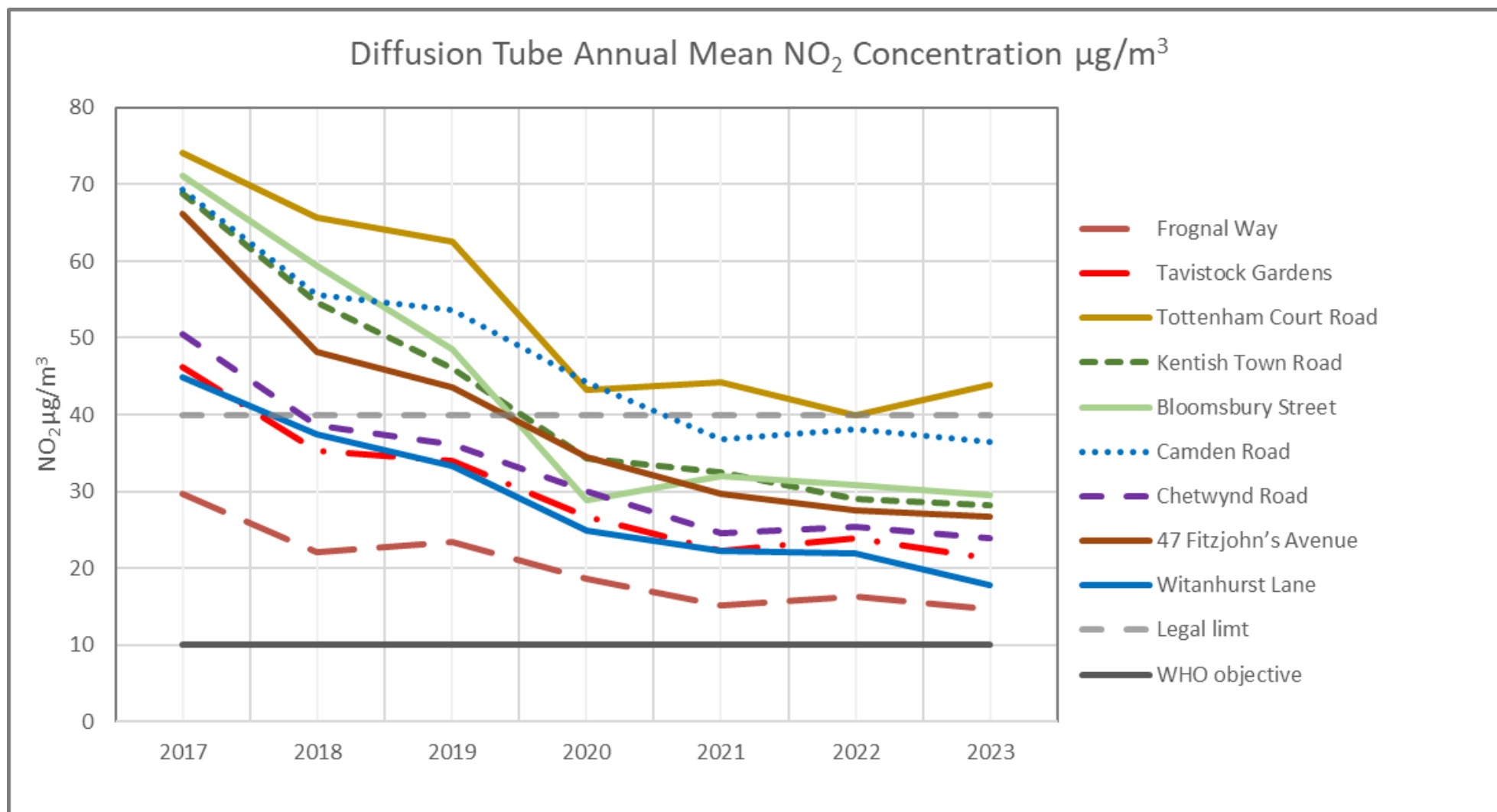


Table F. NO₂ Automatic Monitoring Results: Comparison with 1-hour Mean Objective, Number of 1-Hour Means > 200 µg/m³

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|---|--|-----------|------|------|------|------|------|------|
| BL0 | - | 99.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CD1 | - | 99.46 | 1 | 2 | 1 | 0 | 2 | 0 | 0 |
| CD9 | - | 99.34 | 25 | 18 | 7 | 0 | 1 | 2 | 0 |
| CD010 | - | 97.89 | - | - | - | - | 0 | 0 | 0 |

Notes

Results are presented as the number of 1-hour periods where concentrations greater than 200 µg m⁻³ have been recorded.

Exceedance of the NO₂ short term AQO of 200 µg m⁻³ over the permitted 18 hours per year are shown in **bold**.

If the period of valid data is less than 85%, the 99.8th percentile of 1-hour means is provided in brackets.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%)

Commentary on 1-hour mean NO₂ data from automatic monitoring

In 2023, there were no exceedances of the one-hour mean level recorded across Camden’s automatic monitoring network, improving on the previous years’ performance, which recorded two exceedances at the Euston Road site (CD9). See table F above for more information.

Table G. Annual Mean PM₁₀ Automatic Monitoring Results (µg/m³)

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|---|--|------|------|------|------|------|------|------|
| BL0 | - | 97.12 | 19 | 17 | 18 | 16 | 16 | 17 | 13 |
| CD1 | - | 78.55 | 20 | 21 | 19 | 16 | 16 | 21 | 18 |
| CD9 | - | 92.07 | 20 | 21 | 22 | 18 | 19 | 21 | 18 |
| KGX | - | 91.91 | - | 15 | 15 | 13 | 13 | 15 | 14 |

Notes

The annual mean concentrations are presented as µg m⁻³.

Exceedances of the PM₁₀ annual mean AQO of 40 µg m⁻³ are shown in **bold**.

All means have been “annualised” in accordance with LLAQM Technical Guidance, if valid data capture is less than 75% and more than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on annual mean PM₁₀ data from automatic monitoring

Camden’s automatic PM₁₀ monitoring data exhibits an overall downward trend since 2017, with an average reduction of 3.3 µg/m³ (17% during) this time across the London Bloomsbury, Swiss Cottage, and Euston Road sites. The 2023 annual mean concentration for PM₁₀ at the Coopers Lane urban background monitoring site has improved slightly on pre-COVID pandemic concentrations.

PM₁₀ annual mean concentrations have reduced at all automatic monitoring locations in 2023 from the previous year with an average 2.8 µg/m³ (15%) reduction. Each site has recorded below the legal limit of 40 µg/m³ however, only the London Bloomsbury and Coopers Lane urban background monitoring sites are within the 2021 updated WHO objective of 15 µg/m³ annual mean for PM₁₀.

Figure 3 illustrates annual mean PM₁₀ concentration as measured at four automatic monitoring sites in Camden, illustrating the reduction in PM₁₀ concentrations in 2023 compared to previous years.

Figure 3. Automatic Monitoring Annual Mean PM₁₀ Concentration

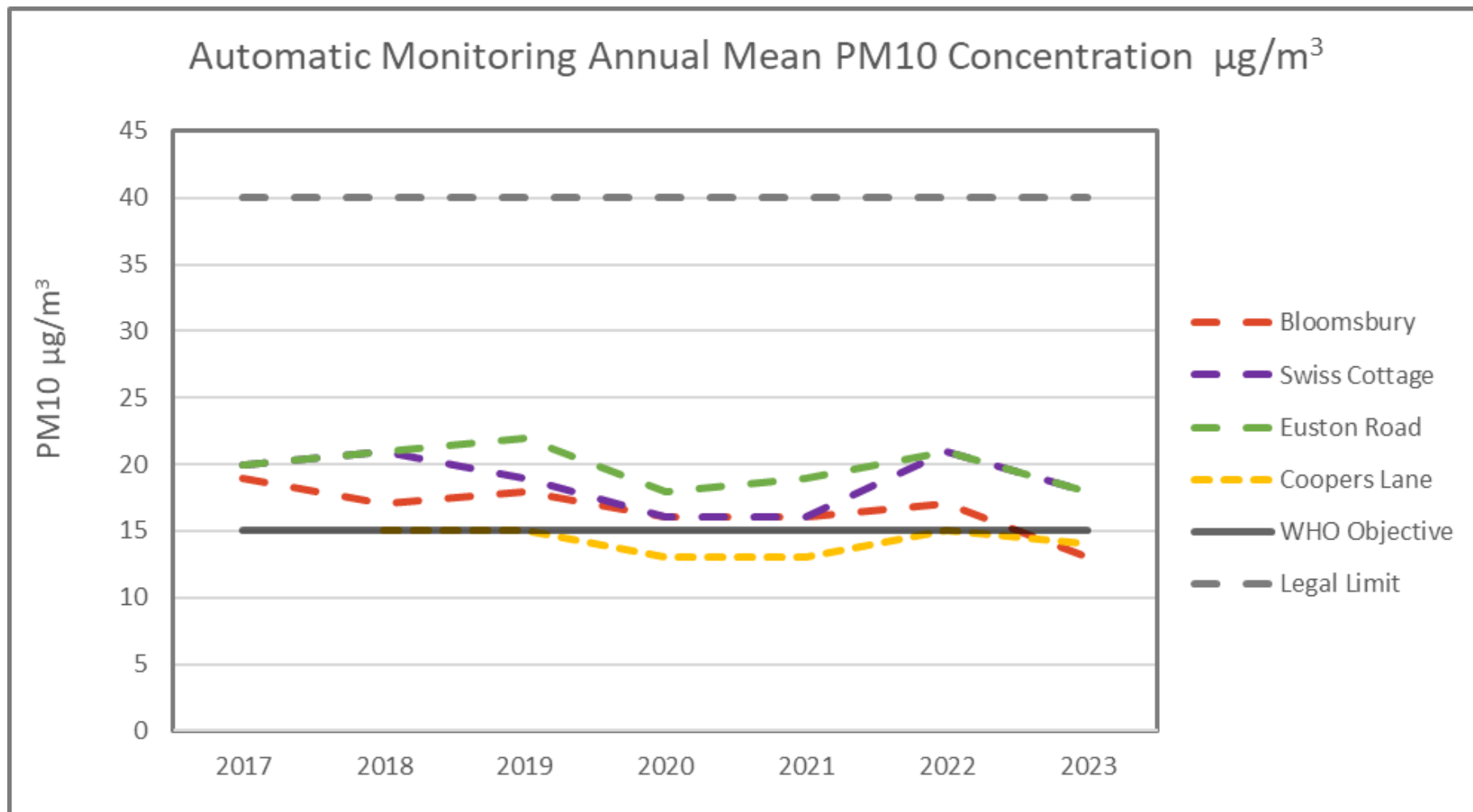


Table H. PM₁₀ Automatic Monitoring Results: Comparison with 24-Hour Mean Objective, Number of PM₁₀ 24-Hour Means > 50 µg/m³

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|---|--|------|------|------|------|------|------|------|
| BL0 | - | 97.12 | 6 | 1 | 9 | 4 | 0 | 5 | 0 |
| CD1 | - | 78.55 | 8 | 4 | 8 | 3 | 0 | 0 | 2 |
| CD9 | - | 92.07 | 3 | 2 | 8 | 2 | 2 | 6 | 4 |
| KGX | - | 91.91 | - | 1 | 5 | 1 | 0 | 5 | 1 |

Notes

Exceedances of the PM₁₀ 24-hour mean objective (50 µg/m³ over the permitted 35 days per year) are shown in **bold**.

Where the period of valid data is less than 85% of a full year, the 90.4th percentile is provided in brackets.

(a) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year

(b) data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on 24-hour mean PM₁₀ data from automatic monitoring

Exceedances of the short-term (24-hour) objective decreased overall across Camden’s PM₁₀ automatic monitoring network, with a total of seven exceedances in 2023, compared to the 16 recorded during 2022. Of the four monitoring sites, only Swiss Cottage (CD1) recording more exceedances of the short-term objective in 2023 than the previous year. During 2023, data capture at Swiss Cottage was 78%, and from comparison against PM₁₀ data from Euston Road (CD9) it is considered likely that one additional exceedance of the 24-hour mean objective would have occurred at the Swiss Cottage site during September 2023 if data coverage had not been affected during that month.

Table I. Annual Mean PM_{2.5} Automatic Monitoring Results (µg/m³)

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------|---|--|------|------|------|------|------|------|------|
| BL0 | - | 97.12 | 13 | 10 | 11 | 9 | 9 | 9 | 8 |
| CD1 | - | 95.56 | 16 | 11 | 11 | 10 | 9 | 12 | 10 |
| CD9 | - | 92.17 | 14 | 15 | 14 | 11 | 11 | 12 | 9 |
| KGX | - | 92.72 | - | - | - | - | - | 10 | 8 |

Notes

The annual mean concentrations are presented as µg/m³.

Exceedances of the PM_{2.5} annual mean AQO of 20 µg/m³ are shown in **bold**.

All means have been “annualised” in accordance with LLAQM Technical Guidance if valid data capture is less than 75% and more than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on annual mean PM_{2.5} data from automatic monitoring

Camden’s automatic PM_{2.5} monitoring network for 2023 has recorded reduced concentrations of fine particulate matter at all four monitoring sites when compared to the previous year, with an average reduction of 2 µg/m³ (18%). The Euston Road (CD9) monitoring site has recorded the largest reduction, with a 25% improvement (3 µg/m³) from 2022’s result.

On a longer timeline, annual mean PM_{2.5} concentrations have reduced on average by 5.3 µg/m³ (37%) across Camden's automatic monitoring network since 2017. 2022 was the first year Camden Council monitored for PM_{2.5} at the Coopers Lane site, meaning that historical data analysis is not yet possible for this site. However, this site has recorded a 2 µg/m³ (20%) reduction in concentrations during this time.

All automatic PM_{2.5} monitoring sites have been compliant with the legal limit of 25 µg/m³ for several years and as of 2023 have achieved the 2030 London Mayoral Objective of 10 µg/m³. Despite this, all four monitoring sites are in exceedance of the WHO's updated 2021 PM_{2.5} guideline of 5 µg/m³. The World Health Organization considers there to be no safe threshold of exposure to PM_{2.5}; therefore, Camden Council will strive to improve air quality throughout the borough to better protect the health of all who live, work and study in Camden.

Figure 4 illustrates the annual mean PM_{2.5} concentrations measured at the four automatic monitoring sites in Camden.

Figure 4. Automatic Monitoring Annual Mean PM_{2.5} Concentration

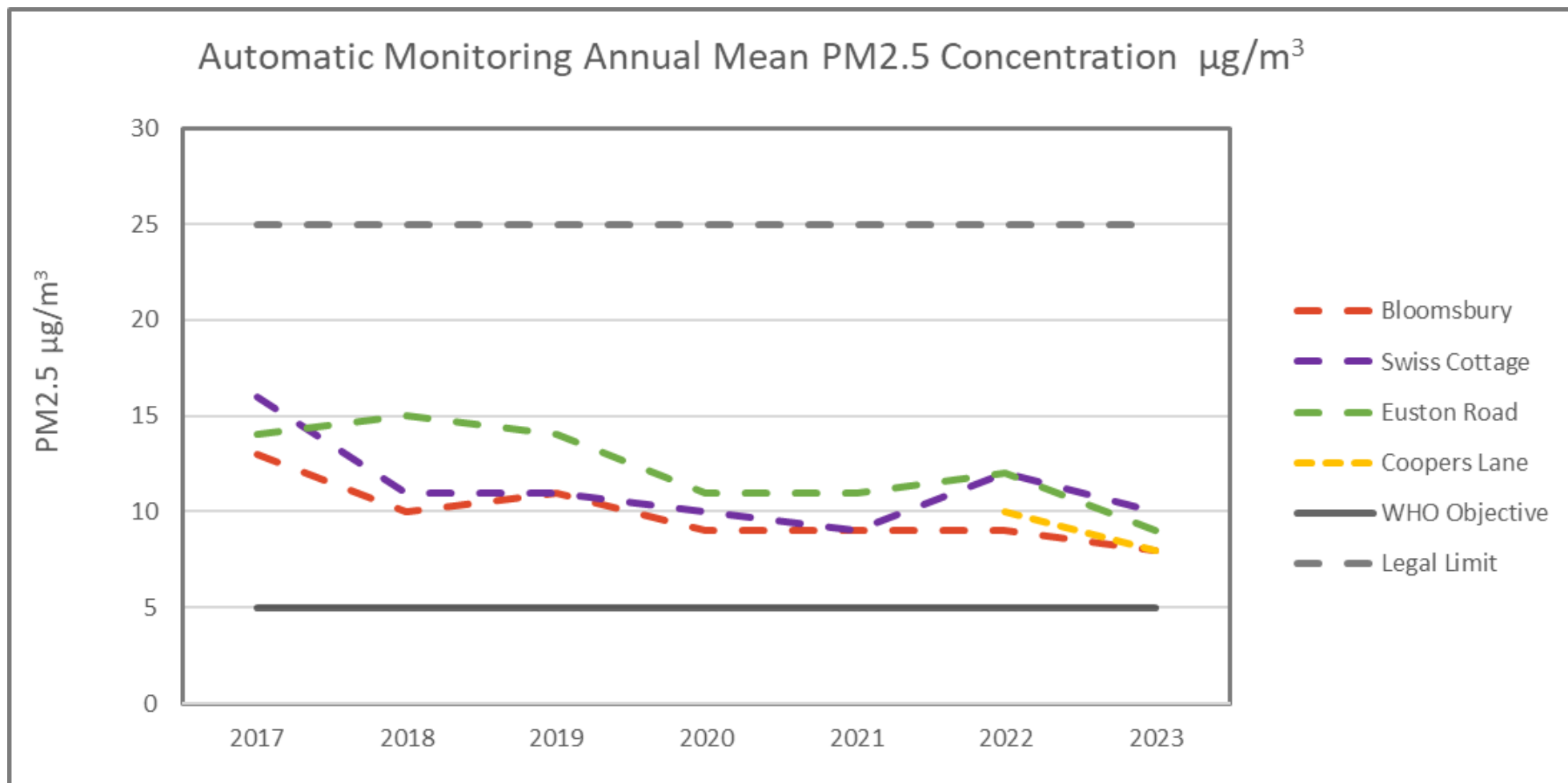


Table J. 2023 SO₂ Automatic Monitoring Results: Comparison with Objectives

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | Number of 15-minute means > 266 µg/m ³ | Number of 1-hour mean > 350 µg/m ³ | Number 24-hour mean > 125 µg/m ³ |
|---------|---|--|---|---|---|
| BL0 | - | 91.52 | 0 | 0 | 0 |

Notes

Results are presented as the number of instances where monitored concentrations are greater than the objective concentration.

Exceedances of the SO₂ objectives are shown in **bold** (15-min mean = 35 allowed a year, 1-hour mean = 24 allowed a year, 24-hour mean = 3 allowed a year).

If the period of valid data is less than 85%, the relevant percentiles are provided in brackets.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on SO₂ data from automatic monitoring

Automatic SO₂ monitoring at Bloomsbury (BL0) again shows no exceedances of the 15-minute, one-hour or 24-hour mean objectives during 2023, with 92% data capture.

Table K. Annual Mean O₃ Automatic Monitoring Results (µg/m³)

| Site ID | Valid data capture for monitoring period % ^(a) | Valid data capture 2023 % ^(b) | Annual mean 2023 |
|---------|---|--|------------------|
| BL0 | - | 90.66 | 54 |

Notes

The annual mean concentrations are presented as µg/m³.

All means have been “annualised” in accordance with LLAQM Technical Guidance if valid data capture is less than 75% and more than 25%.

(a) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(b) Data capture for the full calendar year (e.g. if monitoring was carried out for six months the maximum data capture for the full calendar year would be 50%).

Commentary on O₃ data from automatic monitoring

Automatic O₃ monitoring at Bloomsbury (BL0) measured an annual mean of 54 µg/m³, with 90% data capture. During 2023 there were 157 exceedances of the 100 µg/m³ eight-hour mean objective (measured as a rolling eight-hour mean), and all exceedances occurred during June and September.

2. Action to Improve Air Quality

2.1 Air Quality Management Areas

A summary of AQMAs declared by London Borough of Camden can be found in Table L. The table presents a description of the AQMA that is currently designated within Camden. Appendix C provides maps of AQMA and the air quality monitoring locations in relation to the AQMA. The air quality objectives pertinent to the current AQMA designation are as follows:

- NO₂ annual mean.
- PM₁₀ 24-hour mean.

Table L. Declared Air Quality Management Areas

| AQMA Name | Date of Declaration | Pollutants and Air Quality Objectives | One Line Description | Is air quality in the AQMA influenced by roads controlled by Highways England? | Level of Exceedance: Declaration | Level of Exceedance: Current Year | Number of Years Compliant with Air Quality Objective | Name and Date of AQAP Publication | Web Link to AQAP |
|-------------|---------------------|--|--|--|---|--|--|--|--|
| Camden AQMA | 20/09/2002 | <ul style="list-style-type: none"> •NO₂ annual mean •PM₁₀ 24-hour mean | This AQMA encompasses the entire borough of Camden | NO | <ul style="list-style-type: none"> •NO₂ annual mean: recorded at CD9 (2001): 66 µg/m³ •PM₁₀ 24-hour mean recorded at BL0 (2001): 15 µg/m³ and CD1 (2001): 25 µg/m³ | <ul style="list-style-type: none"> •NO₂ annual mean: 0 exceedances •PM₁₀ 24-hour mean: 7 exceedances | <p>NO₂ annual mean compliance has not yet been achieved across Camden's monitoring network.</p> <p>PM₁₀ 24-hour mean compliance has been achieved for several years.</p> | Camden Clean Air Action Plan 2023-26, published 1 st January 2023 | Camden Air Quality Action Plan 2023-26 |

☒ London Borough of Camden confirm the information on UK-Air regarding their AQMA(s) is up to date.

☒ London Borough of Camden confirm that all current AQAPs have been submitted to GLA.

2.2 Air Quality Action Plan Progress

Table M provides a summary of London Borough of Camden progress against the Air Quality Action Plan, showing progress made this year.

Table M. Delivery of Air Quality Action Plan Measures

| LLAQM Action Matrix Theme | Measure | Action | Progress |
|---|---------|---|--|
| Construction and development : Reducing the impact of air pollution from construction and development on public health. | 1 | Reduced emissions from non-road mobile machinery (NRMM) | <ul style="list-style-type: none"> Camden Council continues to participate in the LB Merton-led Cleaner Construction for London NRMM enforcement project. Camden's Construction Management Plan (CMP) pro-forma has been altered to reflect updated NRMM requirements. |
| | 2 | Reduced emissions from construction generators | <ul style="list-style-type: none"> In 2023, there were audits of 20 construction sites to assess NRMM (including generator) standard compliance. 100% of these sites were found to be compliant. |
| | 3 | Reduced emissions from construction and demolition processes | <ul style="list-style-type: none"> During 2023, Camden's Air Quality Team reviewed 145 CMPs and 37 Air Quality Assessments. A new officer was hired into Camden Council's Planning Enforcement department to provide greater Council presence when assessing construction compliance. |
| | 4 | Reduced emissions from road vehicles servicing construction sites | <ul style="list-style-type: none"> Every CMP received is reviewed to ensure the minimum number of construction site delivery vehicles are used to service the development. |
| | 5 | Reduced impacts of HS2 and other major development or infrastructure projects | <ul style="list-style-type: none"> Camden's Air Quality officers attend monthly environmental meetings with HS2 where upcoming works, site updates, and complaints received are discussed and resolved. During 2023, Camden negotiated the installation of an additional PM₁₀ monitor into Ampthill Square Estate, north of |

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| | | | Euston Station. The data collected from this sensor is regularly reviewed by the Council. |
| <p><u>Buildings</u>: Reducing the impact of air pollution from building operation and use (heating, power, and commercial and industrial processes) on public health.</p> | 6 | Reduced emissions from building heating systems | <ul style="list-style-type: none"> • In accordance with Camden's Climate Action Plan, the Camden Climate Fund (CCF) was launched to provide up to 50% of costs to reduce carbon produced by homes, businesses, and community spaces. In particular, the CCF is aimed at reducing heating demand from gas powered boilers, therefore reducing their associative pollutant emissions. • The Camden Climate Alliance (CCA) has recruited 46 businesses to be a part of the Mayor of London's Business Climate Challenge (2022-23) which provides support to reduce operational energy costs and carbon emissions. • Camden's Air Quality and Sustainability Planning teams regularly review planning applications to ensure Air Quality Neutral is achieved (where required). • In 2023, Camden launched an air quality e-newsletter, which is published every two months. This has been utilised to inform relevant stakeholders of grant funding opportunities, including those aimed at replacing or retrofitting building heating systems. |
| | 7 | Reduced emissions from backup diesel generators | <ul style="list-style-type: none"> • During 2023, Camden officers held internal discussions as to how new or amended policy could be utilised to reduce and monitor emissions from backup diesel generators. |
| | 8 | Reduced emissions from commercial cooking | <ul style="list-style-type: none"> • In 2023, Camden applied for Defra Air Quality Grant Scheme funding for a project to work with businesses to identify and reduce emissions from kitchens and food preparation through behaviour change interventions. • Camden also joined a consortium bid for Defra Air Quality Grant Funding to undertake a research project to assess the impact of commercial cooking on ambient air quality and occupational exposure. • Work has also commenced to create a best practice guidance document for reducing the impact of commercial cooking on local air quality. |

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| | 9 | Reduced emissions from wood burning | <ul style="list-style-type: none"> • In Spring 2023, the Project Lead position for the London Wood Burning Project (LWBP) was filled. • Through the LWBP, Camden has been able evaluate the public health impact and the economic, and healthcare costs of wood burning on society. More information can be found on the LWBP website. • In 2023, the air quality data collection aspect of the LWBP was completed, the findings of which can be viewed here. • The awareness raising aspect of the LWBP was deployed in autumn 2023. This included: <ul style="list-style-type: none"> ○ 15.5m impacts from radio, 9.5m of which (61%) was from the ABC1 target group ○ 20 billboard sites ○ 161 bus rears advertisements ○ 700k impressions on Meta platforms ○ 26.5m impressions via Google Ads |
| Transport : Reducing the impact of air pollution from transport on public health | 10 | Reduced emissions from Camden's vehicle fleet | <ul style="list-style-type: none"> • As of the end of 2023, 99% of Camden Council's vehicle fleet was ULEZ compliant, representing a six percent increase from the previous year. Ten percent of the fleet is electrically powered. |
| | 11 | Reduced emissions from road vehicles | <ul style="list-style-type: none"> • Camden's Sustainability, Air Quality & Energy Management Team and Transport Strategy Service work collaboratively across a range of policy and project areas covered by Camden's Clean Air Action Plan 2023-26, Climate Action Plan 2020-2025, and Transport Strategy 2019-2041 . All plans have overlapping and mutually supportive policies. |
| | 12 | Reduced emissions from vehicle engine idling | <ul style="list-style-type: none"> • In 2023, Camden utilised the knowledge gained from the Mayor of London-funded 'Idling Action London' project to produce information and educational engagement materials for members of the public. • A new Senior Education and Enforcement Officer was hired in 2023, with anti-idling enforcement during site visits one the responsibilities required of the position. |

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| | 13 | Reduced emissions from deliveries, servicing, and freight | <ul style="list-style-type: none"> Camden Council's consolidation centre has been operational throughout 2023 and continues to use e-cargo bikes for final deliveries within the borough. As of the end of 2023, Camden's Transport Strategy Service is in the process of writing an updated Freight and Servicing Action Plan. |
| | 14 | Reduced emissions from rail | <ul style="list-style-type: none"> In 2023, members of Camden's Air Quality Team held a meeting with the Rail Safety and Standards Board (RSSB) to raise the profile of rail's impact on air quality, particularly at the Euston, King's Cross, and St. Pancras stations in the borough. |
| <u>Communities and schools:</u> Supporting and empowering communities and schools to reduce and avoid exposure to air pollution | 15 | Interventions are targeted to tackle the inequitable impact of air pollution on vulnerable communities and those disproportionately impacted by air pollution | <ul style="list-style-type: none"> In 2023, Camden's Air Quality Team ran or supported multiple community-based events and workshops, and hosted events for members of the public on Clean Air Day and for the launch of the Council's new Clean Air Action Plan 2023-2026. Camden's Air Quality Team has continued to support the Mayor of London-funded Somers Town Future Neighbourhoods 2030 project by promoting home energy and indoor air quality advice visits, whilst also offering the Somers Town community free air quality sensor loans for indoor and personal exposure monitoring. 35 sensor loans took place in 2023 as a part of the Somers Town Future Neighbourhoods 2030 project. |
| | 16 | Communities are empowered to take action locally | <ul style="list-style-type: none"> Following the successful application for Defra Air Quality Grant funding for the 'Clean Air for Schools' project in early 2023, Camden's Air Quality Team commenced preparations for the project, including an extensive recruitment process to hire a Project Lead officer. The project will launch in early 2024. Officers from Camden's Air Quality Team hosted engagement events for local vulnerable communities to raise awareness of air quality as a public health issue, and to increase knowledge of how exposure to air pollution can be reduced. The Air Quality Team continued to support the Somers Town Future Neighbourhoods 2030 project by promoting home energy and indoor air quality advice visits, whilst also |

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| | | | providing the area with the opportunity for air quality sensor loans to residents and businesses. Five month-long loans took place in 2023. |
| | 17 | Reduced exposure outside schools and support schools in protecting child health whilst at school | <ul style="list-style-type: none"> • In 2023, three additional Healthy School Streets (HSS) were made permanent. These are: <ul style="list-style-type: none"> ○ Redhill Street – Christchurch Primary School ○ Elsworthy Road – St Paul’s Primary School ○ Holmes Road – St Patrick’s Primary School • As of the end of 2023, there are 22 permanent HSS schemes covering 26 schools, and eight temporary schemes in Camden. • Following the successful application for Defra Air Quality Grant funding for the ‘Clean Air for Schools’ project in early 2023, Camden’s Air Quality Team commenced preparations for the project, including an extensive recruitment process to hire a project lead officer. The project will launch in early 2024. |
| | 18 | Reduced exposure outside hospitals and health centres | <ul style="list-style-type: none"> • Following participation in the successful Idling Action London project, Camden has extended its legacy alongside other London local authorities by participating in the Idling Action Legacy Working Group. • After the announcement of the fourth round of the Mayor’s Air Quality Fund (MAQF), Camden assembled a consortium of 20 London boroughs with the intention of submitting a funding application to further tackle emissions resulting from vehicle engine idling. The outcome of this bid will be published in 2024. |
| | 19 | Reduced emissions from events and filming | <ul style="list-style-type: none"> • In 2023, Camden Council, in partnership with The Generator Project, organised an industry event to discuss the impact filming and events has on urban air quality and how this can be reduced. Attendees included local authority officers, film production companies, and alternative power suppliers. • Camden officers commenced work on a bid for Mayor’s Air Quality Funding to undertake a research and engagement project to assess the impact of film productions on air quality |

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| | | | and local communities in the borough. The outcome of this bid will be published in 2024. |
| | 20 | Reduced emissions from ice cream vans | <ul style="list-style-type: none"> During 2023, as part of a Defra Air Quality Grant funded project to reduce idling vehicle emissions and population exposure to air pollution, Camden installed four electricity connection points for ice cream vendors at popular trading locations across the borough. This project is ongoing, with future installations planned for 2024. |
| | 21 | Reduced emissions from street food vending | <ul style="list-style-type: none"> In autumn 2023, Camden's Air Quality Team submitted a bid for Defra Air Quality Grant Funding to tackle emissions from Camden's street-food markets through the installation of electrical connection points, eliminating the need for fossil fuel power in these locations. The outcome of this bid will be published in 2024. |
| | 22 | Reduced emissions from canal boats, and support the boating community to protect boater health and the health of canal-side neighbours | <ul style="list-style-type: none"> In June 2023, Camden installed a PM_{2.5} analyser at Primrose Hill Primary School area to measure the impact of canal boats on local air quality. In 2023, London boaters continued to make use of the Mayor of London-funded 'Camden Electric Moorings' eco-moorings charge points installed along Regent's Canal between King's Cross and Camden Town. In 2023, Camden Council officers engaged with neighbouring local authorities as part of a 'Sustainable Waterways Partnership', with a view to submitting a joint funding application in the future. |
| | 23 | Reduced emissions from leaf blowers and grounds maintenance | <ul style="list-style-type: none"> It is standard practice for Camden Council to review all procurement exercises for opportunities to reduce its impact on the local environment. |
| | 24 | Reduced emissions from other sources of outdoor air pollution | <ul style="list-style-type: none"> Camden's Air Quality Team routinely reviews new research and information regarding air quality. When appropriate, this knowledge and/or evidence is shared with members of the public and other relevant stakeholders. |

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| Indirect emissions and lobbying : Leading by example, working with others, and advocating for greater action on air quality and health | 25 | Camden councillors, staff and senior management understand the importance of air quality for public health | <ul style="list-style-type: none"> • In 2023, Camden's Sustainability department hosted several staff environmental awareness days with the aim of raising awareness of the environmental issues facing the borough, whilst improving knowledge of the work being done by the Council to counteract these. These sessions were well attended by officers, directors, and ward councillors. • An environment and sustainability focused E-learning module was launched for internal staff in 2023 to provide greater environmental knowledge for decision making within the Council. |
| | 26 | Reduced indirect emissions through procurement | <ul style="list-style-type: none"> • An environment and sustainability focused E-learning module was launched for internal staff in 2023 to provide greater environmental knowledge for decision making within the Council, including during the production of procurement documentation. • In 2023, it has become standard practice for the 'Green Vehicle Fleet Standard for Contractors' to be issued to all prospective suppliers during tendering exercises. |
| | 27 | We use our platform to encourage other local authorities, public and private sector stakeholders to take action on air pollution | <ul style="list-style-type: none"> • In 2023, Camden's Air Quality Team launched a bimonthly air quality newsletter, which is issued to local communities, businesses, and other stakeholders to provide information on relevant news and upcoming events. • Camden continued to build partnerships with other local authorities, academic institutions, campaigning organisations, the NHS, and other stakeholders engaged in air quality related policy creation and advocacy. • Camden's Air Quality Team regularly meets with other local authorities to share knowledge and discuss opportunities for improving London's air quality. • In 2023, Camden submitted consortium bids with other local authorities to fund projects aimed at reducing emissions from solid fuel burning, commercial cooking, indoor air quality, and vehicle engine idling. |

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| | 28 | We work with other local authorities, external stakeholders, and other levels of government in the UK and internationally on air quality policy and projects | <ul style="list-style-type: none"> • See above. |
| | 29 | We actively lobby for action on air quality and health | <ul style="list-style-type: none"> • Camden provided responses to Defra's April 2023 consultation on the draft revised Air Quality Strategy, and other central government consultations in 2023. |
| Public health and awareness : Helping everyone to be aware of the importance of clean air and the roles we all have in protecting health | 30 | Increased public awareness about health impacts associated with air pollution | <ul style="list-style-type: none"> • Camden's Air Quality Team continues to routinely issue public communications and updates. This includes the Air Quality Newsletter, airTEXT alerts, air pollution alerts, and general communications. • The Air Quality Team organised and attended various events throughout 2023, including for Clean Air Day as well as community engagement events and outreach activities. • In support of the Future Neighbourhoods 2030 project, Camden has offered residents and businesses of the Somers Town ward the opportunity to borrow a small air quality sensor for one month. It is hoped that this will help raise awareness of air pollution as a public health risk, whilst also providing the public with the knowledge to reduce exposure where possible. 35 sensor loans took place in 2023 as a part of the Somers Town Future Neighbourhoods 2030 project. |
| | 31 | Increased air quality monitoring coverage and public access and ownership of data | <ul style="list-style-type: none"> • In 2023, ten new diffusion tube monitoring locations were established in Camden. There are currently 262 active diffusion tube locations within Camden. • In June 2023, Camden installed a PM_{2.5} analyser at Primrose Hill Primary School to measure the impact of canal boats on local air quality. • Camden Council promoted the Breathe London 'Community Sensor' opportunity to local community groups within the borough. |

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| | 32 | Camden's air quality programme is directly related to the core objective of protecting and improving public health and the We Make Camden vision | <ul style="list-style-type: none"> Camden's Air Quality Team assesses both public health and air quality data when decision making. This includes when providing policy recommendations for colleagues and councillors, designing future projects, assessing development proposals, and responding to public enquiries. Through the London Wood Burning Project, Camden has been able evaluate the public health impact and the economic and healthcare costs wood burning has on society. |
| | 33 | Camden and external partners in healthcare and social care work collaboratively to tackle the impact of AQ on health | <ul style="list-style-type: none"> Camden's Air Quality officers regularly meet with hospitals and healthcare practitioners to establish links with primary care providers and raise awareness within the medical community of air pollution as a public health risk. In 2023, Camden commenced a project to provide convenient and relatable air quality training materials for healthcare professionals. This will be finalised in 2024. |
| Indoor air pollution and occupational exposure: Raising awareness about the causes and impact of poor indoor air quality and workplace air pollution exposure | 34 | Reduced indoor pollution exposure in homes in Camden | <ul style="list-style-type: none"> The Camden Household Air Monitoring Project (CHAMP), delivered in collaboration with London School of Economics (LSE), involves residents hosting indoor air quality monitors for several weeks to research how having access to air quality information may change behaviours. There were 80 additional households involved with the CHAMP in 2023. In 2023, Camden supported the development of a Defra Air Quality Grant funded bid to upscale the CHAMP project into the 'London Household Air Monitoring Project' together with several other London boroughs. In support of the Future Neighbourhoods 2030 project, Camden has offered residents and businesses of the Somers Town ward the opportunity to borrow a small air quality sensor for one month. It is hoped that this will help raise awareness of air pollution as a public health risk, whilst also providing the public with the knowledge to reduce exposure where possible. 35 sensor loans took place in 2023 as a part of the Somers Town Future Neighbourhoods 2030 project. |
| | 35 | Reduced indoor pollution exposure in schools in Camden | <ul style="list-style-type: none"> Following the successful application for Defra Air Quality Grant funding for the 'Clean Air for Schools' project in early |

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| | | | 2023, Camden's Air Quality Team commenced preparations for the project, including an extensive recruitment process to hire a project lead officer. The project will launch in early 2024. |
| | 36 | Reduced occupational exposure to air pollution in Camden | <ul style="list-style-type: none"> • In 2023, Camden's Air Quality Team hosted and attended multiple public events to raise awareness of indoor air quality and to provide information and advice about how Camden residents can help to reduce indoor air pollution exposure at home. • In 2023, Camden applied for Defra Air Quality Grant Scheme funding for a project to work with businesses to identify and reduce emissions from kitchens and food preparation through behaviour change interventions. • Independently, Camden has also commenced a project to provide businesses within the borough with clean air kitchen guides. This will be issued in 2024. • In 2023, Camden joined a consortium bid for Defra Air Quality Grant Funding to undertake a research project into the impact of commercial catering on ambient air quality and occupational exposure. |

3. Planning Update and Other New Sources of Emissions

Table N. Planning Requirements Met by Planning Applications in Camden in 2023

| Condition | Number |
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| Number of planning applications where an air quality impact assessment was reviewed for air quality impacts | 37 |
| Number of planning applications required to monitor for construction dust | 35 |
| Number of CHPs/Biomass boilers refused on air quality grounds | N/A – no applications were directly refused on this basis. Does not include proposals requested to remove CHP prior to decision following consultation, as per Camden practice |
| Number of CHPs/Biomass boilers subject to GLA emissions limits and/or other restrictions to reduce emissions | N/A – does not account for proposals requested to change CHP details to meet restrictions prior to planning decision following AQ consultation (as per typical Camden practice) |
| Number of developments required to install Ultra-Low NO _x boilers | This is required through policy compliance 4.15 from Camden's Planning Guidance: Air Quality |
| Number of developments where an AQ Neutral building and/or transport assessments undertaken | 57 |
| Number of developments where the AQ Neutral building and/or transport assessments not meeting the benchmark and so required to include additional mitigation | N/A |
| Number of planning applications with S106 agreements including other requirements to improve air quality | Not current practice at Camden |
| Number of planning applications with CIL payments that include a contribution to improve air quality | Not current practice at Camden |
| <p>NRMM: Central Activity Zone, Canary Wharf and Opportunity Areas</p> <p>Number of conditions related to NRMM included.</p> <p>Number of developments registered and compliant.</p> <p>Number of audits</p> <p>% of sites unregistered prior to audit</p> <p>Please include confirmation that you have checked that the development has been registered with the GLA through the relevant NRMM website and that all NRMM used on-site is compliant with Stage IV of the Directive and/or exemptions to the policy.</p> | <p>12 sites inside the CAZ newly registered on Non-Road Mobile Machinery (NRMM) London City Hall in 2023.</p> <p>Nine sites inside the CAZ area were audited during 2023 through the NRMM compliance project (Cleaner Construction for London). All sites were compliant after being audited.</p> <p>Camden's CMP pro forma contains a requirement for sites to ensure NRMM is compliant and registered. Conditions relating to NRMM</p> |

| Condition | Number |
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| | <p>compliance are included in decision notices for many applications, however the total number of conditions for planning permissions granted in 2023 is not currently retrievable.</p> <p>Camden's Sustainability team is working with the Council's Planning service to ensure NRMM conditions are applied routinely, with up-to-date wording as provided by LB Merton's Cleaner Construction for London project coordinator.</p> |
| <p>NRMM: Greater London (excluding Central Activity Zone, Canary Wharf and Opportunity Areas)</p> <p>Number of conditions related to NRMM included.</p> <p>Number of developments registered and compliant.</p> <p>Number of audits</p> <p>% of sites unregistered prior to audit</p> <p>Please include confirmation that you have checked that the development has been registered at www.nrmm.london and that all NRMM used on-site is compliant with Stage IIIB of the Directive and/or exemptions to the policy.</p> | <p>11 sites inside the CAZ newly registered on Non-Road Mobile Machinery (NRMM) London City Hall in 2023.</p> <p>11 sites outside the CAZ area were audited during 2023 through the NRMM compliance project (Cleaner Construction for London). Ten of these sites were found to be self-compliant, and one site was compliant following auditing.</p> <p>Camden's CMP pro forma contains a requirement for sites to ensure NRMM is compliant and registered. Conditions relating to NRMM compliance are included in decision notices for many applications, however the total number of conditions for planning permissions granted in 2023 is not currently retrievable.</p> <p>Camden's Sustainability team is working with the Council's Planning service to ensure NRMM conditions are applied routinely, with up-to-date wording as provided by LB Merton's Cleaner Construction for London project coordinator.</p> |

3.1 Camden Council's process for reviewing air quality through the planning system

Pre-planning and planning application stage

Camden's Sustainability Planning Team is a statutory consultee, with officers required to review planning applications from an air quality, energy/carbon, and flood risk/LLFA perspective, and work closely with the Air Quality Programme Manager, the Air Quality Planning Officer, and the Planning service to ensure that all relevant planning applications are reviewed, and conditions are applied and enforced. It is nevertheless viewed that there is continual opportunity for process improvement, both in terms of tightening controls and data collection, so that Camden can ensure future development is more sustainable and is undertaken in a way that offers greater protections to air quality, public health, and amenity.

During 2023, the 'Air Quality (Planning) Officer' position in the Sustainability department of Camden Council was extended by a further 12 months and will run until October 2024 at a minimum. This role was created to aid and improve the process of reviewing planning applications and Section 106 legal agreement performance from developments in the borough.

Post-approval and ongoing compliance

Camden's air quality officers work closely with the Planning service (Planning Obligations and Planning Enforcement officers, in particular) as well as Environmental Health, Transport, Highways and Parking to ensure all applicable approved developments provide a Demolition Management Plan (DMP) and/or a Construction Management Plan (CMP). This is mandated through Section 106 (S106) Legal Agreements. CMPs and DMPs are aligned with a pro forma template which covers several issues including air quality and dust management during on-site activities for any new development or refurbishment.

Officers review and provide feedback on DMPs/CMPs and any unsatisfactory consideration of air quality and dust impacts on the part of the contractor or developer will lead to rejection and the need to submit a revised plan. The CMP/DMP covers the following air quality considerations:

- Preventative and reactive dust mitigation including prevention of resuspension of particulates from dust and debris tracked onto the public highway.

- Real-time dust monitoring and reporting, based upon the dust risk classification from an Air Quality Dust Risk Assessment (AQDRA). In line with the Mayor of London's ['Control of dust and emissions during construction and demolition' SPG](#), any medium or high-risk sites are required to use real-time MCERTS-indicative dust monitors and to produce monthly reports for Camden Council to review. Camden has made it policy for all dust reports and data to be publicly accessible for all applicable sites.
- Adherence to the GLA dust mitigation checklist.
- Adherence to NRMM conditions and registration of the site on the London NRMM Register.
- Avoidance of vehicle engine idling.

Through Camden's participation in the MAQF-funded NRMM compliance project led by LB Merton, all major construction sites in Camden are eligible for NRMM compliance audits. Camden's Air Quality Team coordinates with LB Merton's Project Coordinator to ensure an up-to-date list of major sites is provided.

Where sites in Camden are found to be non-compliant in terms of NRMM standards, real-time dust (PM₁₀) monitoring or reporting, or management of air quality impacts in general, the first step is to engage directly with the site to convey the importance of compliance and improved performance. Failing this, the case will be passed to Camden's Planning Enforcement team (through liaison with the Construction Management Forum comprising officers from various Council departments) for further action. This usually involves an enforcement case being opened and a formal warning being issued. Continued failure to meet conditions or comply with CMP or S106 requirements would lead to an injunction being sought, though this stage was not required for any site during 2023.

3.2 New or significantly changed industrial or other sources

No new or significantly changed sources identified.

4. Additional Activities to Improve Air Quality

4.1 London Borough of Camden Fleet

Table M outlines the breakdown of Camden Council's fleet into five fuel type categories. The number of electric vehicles within Camden's fleet has risen by 288% (from eight) since the end of 2018, reflecting the impact of Camden's recent Clean Air Action Plans. As of the end of 2023, electric cars and vans comprise 10% of Camden's fleet with 31 vehicles, whilst hybrids account for 3% with nine vehicles. More than 99% of Camden's diesel, petrol and CNG vehicles are ULEZ-compliant.

Table O. London Borough of Camden vehicle fleet composition

| Fleet Type | CNG | Diesel | Electric | Hybrid | Petrol | Total |
|-------------------|------------|---------------|-----------------|---------------|---------------|--------------|
| Car | | | 8 | 9 | | 17 |
| HGV | 3 | | | | | 3 |
| PCV | 12 | 16 | | | | 28 |
| Van | 17 | 203 | 21 | | 23 | 264 |
| Van - Roof Rack | | | 1 | | | 1 |
| Van - Tipper | | | 1 | | | 1 |
| Total | 32 | 219 | 31 | 9 | 23 | 314 |
| % of Fleet | 10% | 70% | 10% | 3% | 7% | 100% |

4.2 NRMM Enforcement Project

London Borough of Camden participated in the LB Merton-led Cleaner Construction for London NRMM enforcement project during 2023 and will continue to do so in 2024.

Camden Council enforces NRMM compliance through the Construction Management Plan (CMP) process. All applicants who have submitted a CMP are required to answer the following questions regarding NRMM for their proposed development:

Figure 5. Camden's CMP NRMM questions

If you will be using non-road mobile machinery (NRMM) on site with net power between 37kW and 560kW it will be required to meet the standards set out below. The standards are applicable to both variable and constant speed engines and apply for both PM and NOx emissions. See the Mayor of London webpage 'Non-Road Mobile Machinery (NRMM)' for more information, a map of the Central Activity Zone, and for links to the NRMM Register and

the NRMM Practical guide (V4):

<https://www.london.gov.uk/what-we-do/environment/pollution-and-air-quality/nrmm>

Direct link to NRMM Practical Guide (V4):

https://www.london.gov.uk/sites/default/files/nrmm_practical_guide_april_2022_web.pdf

From 1st September 2015

(i) Major Development Sites – NRMM used on the site of any major development will be required to meet Stage IIIA of EU Directive 97/68/EC

(ii) Any development site within the Central Activity Zone - NRMM used on any site within the Central Activity Zone will be required to meet Stage IIIB of EU Directive 97/68/EC

From 1st September 2020

(iii) Any development site - NRMM used on any site within Greater London will be required

to meet Stage IIIB of EU Directive 97/68/EC

(iv) Any development site within the Central Activity Zone - NRMM used on any site within the Central Activity Zone will be required to meet Stage IV of EU Directive 97/68/EC
Please provide evidence demonstrating the above requirements will be met by answering the

following questions:

a) Construction time period (mm/yy - mm/yy):

b) Is the development within the CAZ? (Y/N):

c) Will the NRMM with net power between 37kW and 560kW meet the standards outlined above? (Y/N):

d) Please confirm that all relevant machinery will be registered on the NRMM Register, including the site name under which it has been registered:

e) Please confirm that an inventory of all NRMM will be kept on site and that all machinery will be regularly serviced and service logs kept on site for inspection:

f) Please confirm that records will be kept on site which details proof of emission limits,

4.3 Air Quality Alerts

Camden Council supports airTEXT and by the end of 2023 there were 713 active subscribers receiving alerts for Camden, which is an increase of 38 from the previous year. Most subscribers receive alerts via SMS text, with email, voicemail, and social media notifications also utilised. During 2023, there were 33 alert days in Camden, with 11,862 alert messages issued.

Camden Council is actively working to secure the routine and consistent cascading of pollution alerts to members of the public.

Appendix A Details of Monitoring Site Quality QA/QC

A.1 Automatic Monitoring Sites

Routine calibrations are carried out on a fortnightly basis by Ricardo Energy & Environment. Operatives are trained to AURN standards.

In Camden, the London Bloomsbury and Camden Kerbside/Swiss Cottage monitoring sites are part of the AURN and as such, are audited to the AURN standard by providers selected by the Environment Agency.

Non-AURN monitoring sites are audited by Ricardo Energy & Environment, who are UKAS accredited. Ricardo are also UKAS accredited for the recertification of onsite cylinders.

All sites are audited every six months and comply with the validation procedures which conform to the requirements of the AURN and exceed the requirements of the LLAQM TG (22). The data ratification procedures also exceed the requirements of TG (22). In 2023, all automatic air quality monitoring in Camden recorded above 75% data capture, meaning that data annualisation was not required.

PM₁₀ Monitoring Adjustment

PM₁₀ and PM_{2.5} is measured with TEOM-FDMS analysers at three automatic monitoring sites in Camden. These are the London Bloomsbury, Coopers Lane, and Euston Road sites. These instruments are certified to MCERTS reference equivalent standard therefore, the VCM is not required. The Camden Kerbside/ Swiss Cottage automatic monitoring site utilises a BAM analyser to monitor PM₁₀ and PM_{2.5}.

A.2 Diffusion Tubes

Camden's diffusion tubes are supplied by Socotec UK, with 50% TEA in acetone the chosen preparation method. This is the first year that Camden Council has used Socotek UK for diffusion tube monitoring, having previously worked with Gradko International.

Socotec follows the procedures set out in the Practical Guidance. Socotec's 50% TEA/acetone preparation method were rated as having 'good' precision from 28 collocation studies in 2023, according to the Summary of Precision Results for Nitrogen Dioxide Diffusion Tube Collocation Studies, by Laboratory', published in April 2023 by Defra, which can be viewed here:

<https://laqm.defra.gov.uk/air-quality/air-quality-assessment/precision-and-accuracy/>

Socotec has scored highly in laboratory performance assessments for the Summary of Laboratory Performance in AIR NO₂ Proficiency Testing Scheme (September 2021 – October 2023), published in October 2023 by the LAQM Helpdesk (covering AIR PT rounds 46-59, from September 2021 to October 2023). Socotec were found to have 100% of results determined to be 'satisfactory'. No results have been reported for following AIR PT rounds. The 'Summary of Laboratory Performance in AIR NO₂ Proficiency Testing Scheme (September 2021 – October 2023)' report published by Defra can be viewed here:

https://laqm.defra.gov.uk/wp-content/uploads/2023/11/LAQM-NO2-Performance-data_Up-to-Oct-2023_V1_Final.pdf

Camden has used the 2023 national bias adjustment factor for Socotec UK diffusion tubes with 50% TEA/acetone method (0.77) to adjust the Council's raw diffusion tube annual mean concentrations for bias. This factor was published in the 'National Bias Adjustment Factors' spreadsheet produced by Defra and published in March 2023. This can be viewed here:

<https://laqm.defra.gov.uk/air-quality/air-quality-assessment/national-bias/>

Camden has compared the diffusion tube data at our colocation sites to reference equivalent NO₂ analysers. However, due to data continuity issues the Council was unable to participate in the diffusion tube colocation study for 2023.

The only diffusion tube bias adjustment factor applied to the data presented in this report is the national bias adjustment factor for Socotec UK diffusion tubes prepared with the 50% TEA/acetone method, which was 0.77.

Previous years' diffusion tube-measured annual mean NO₂ concentrations have been re-calculated where necessary with updated national bias adjustment factors as published by Defra (all for Gradko International diffusion tubes prepared with the 50% TEA/acetone method). Consequently, the diffusion tube annual mean values for 2022 and preceding years which have been presented in this Annual Status Report supersede the annual means presented in previous reports.

Factor from Local Co-location Studies

Camden did not participate in the colocation study in 2023 as the Council had experienced continued data continuity issues with the Swiss Cottage (CD1) and Euston Road (CD9) triplicate colocation sites during the year.

Discussion of Choice of Factor to Use

Camden has historically tried to undertake diffusion tube colocation at the CD1 and CD9 automatic monitoring sites. However, due to theft and/or tampering there has not yet been sufficient diffusion tube data capture to participate.

In the absence of local adjustment factors or other conditions suggesting that an alternative factor should be used, the national bias adjustment factor for 2023 has been used.

Table P. Bias Adjustment Factor

| Year | Local or National | If Local, Version of National Spreadsheet | Adjustment Factor |
|------|-------------------|---|-------------------|
| 2023 | National | 03/24 | 0.77 (Socotec UK) |
| 2022 | National | 03/23 | 0.82 (Gradko Int) |
| 2021 | National | 04/21 | 0.83 (Gradko Int) |
| 2020 | National | 03/21 | 0.82 (Gradko Int) |
| 2019 | National | 09/20 | 0.89 (Gradko Int) |
| 2018 | National | 09/19 | 0.89 (Gradko Int) |
| 2017 | National | 09/18 | 0.96 (Gradko Int) |
| 2016 | National | 09/17 | 1.01 (Gradko Int) |
| 2015 | National | 09/16 | 0.96 (Gradko Int) |

A.3 Adjustments to the Ratified Monitoring Data

Short-term to Long-term Data Adjustment

Diffusion tube data has been annualised where there were at least three but fewer than nine months of data. Camden Council's internal air quality monitoring database was utilised for the 2023 adjustments, in accordance with the LLAQM TG methodology.

Table Q displays the annualisation factors which were applied to adjust the raw diffusion tube data based upon NO₂ concentrations measured at the BL0, IS6, and WM5 urban background automatic monitoring sites, which achieved sufficient data capture for use in the diffusion tube annualisation adjustments.

Distance Adjustment

No distance adjustment calculations were used on Camden's air quality monitoring data, in line with previous years' annual status reporting methodology. Distance adjustment calculations are not deemed necessary for the 17 monitoring locations which have recorded an NO₂ annual mean of higher than the legal limit of 40 µg/m³ in 2023. These sites are heavily trafficked by pedestrians and so are viewed as representative of nearby receptors, including bus stops or pavement seating, and so members of the public are likely to have been exposed to similar pollutant concentrations to those measured at each site.

Table Q. Short-Term to Long-Term Monitoring Data Adjustment

| Site ID | Annualisation Factor: BL0 | Annualisation Factor: IS6 | Annualisation Factor: WM5 | Annualisation Factor | Average Annualisation Factor | Raw Data Annual Mean ($\mu\text{g m}^{-3}$) | Annualised Annual Mean ($\mu\text{g m}^{-3}$) | Comments |
|---------|---------------------------|---------------------------|---------------------------|----------------------|------------------------------|---|---|----------------|
| CAM9 | 1.130532 | 1.125625 | 1.127773 | N/A | 1.127977 | 18.14 | 15.75 | Diffusion Tube |
| CAM15 | 1.002321 | 1.036204 | 0.997977 | N/A | 1.012167 | 34.04 | 26.53 | Diffusion Tube |
| CAM19 | 0.906221 | 0.910163 | 0.931567 | N/A | 0.915983 | 32.30 | 22.78 | Diffusion Tube |
| CAM28 | 1.088039 | 1.07156 | 1.062186 | N/A | 1.073928 | 29.95 | 24.77 | Diffusion Tube |
| CAM42 | 1.124974 | 1.058082 | 1.082809 | N/A | 1.088622 | 31.99 | 26.82 | Diffusion Tube |
| CAM47 | 1.081279 | 1.100418 | 1.073121 | N/A | 1.084939 | 43.55 | 36.39 | Diffusion Tube |
| CAM54 | 0.913385 | 0.922131 | 0.931595 | N/A | 0.92237 | 35.26 | 25.04 | Diffusion Tube |
| CAM79 | 0.897896 | 0.876603 | 0.900719 | N/A | 0.891739 | 31.02 | 21.30 | Diffusion Tube |
| CAM81 | 1.155905 | 1.129603 | 1.163094 | N/A | 1.149534 | 49.56 | 43.87 | Diffusion Tube |
| CAM90 | 0.979558 | 0.986209 | 0.985528 | N/A | 0.983765 | 29.59 | 22.41 | Diffusion Tube |
| CAM105 | 1.101541 | 1.06848 | 1.064665 | N/A | 1.078229 | 36.83 | 30.58 | Diffusion Tube |
| CAM126 | 0.899329 | 0.930203 | 0.943904 | N/A | 0.924479 | 31.08 | 22.12 | Diffusion Tube |
| CAM128 | 0.989351 | 0.967042 | 0.991215 | N/A | 0.982536 | 33.73 | 25.52 | Diffusion Tube |
| CAM144 | 1.062729 | 1.062478 | 1.056567 | N/A | 1.060591 | 39.22 | 32.03 | Diffusion Tube |
| CAM161 | 0.971457 | 0.973543 | 0.974333 | N/A | 0.973111 | 30.99 | 23.22 | Diffusion Tube |
| CAM174 | 1.04909 | 1.025822 | 1.050188 | N/A | 1.0417 | 35.50 | 28.47 | Diffusion Tube |
| CAM242 | 0.964915 | 0.953561 | 0.933767 | N/A | 0.950748 | 36.09 | 26.42 | Diffusion Tube |
| CAM248 | 1.036118 | 1.006686 | 1.013168 | N/A | 1.018658 | 64.90 | 50.91 | Diffusion Tube |
| CAM249 | 1.256809 | 1.282331 | 1.22227 | N/A | 1.253803 | 33.08 | 31.93 | Diffusion Tube |
| CAM250 | 1.006176 | 0.953933 | 0.970267 | N/A | 0.976792 | 39.94 | 30.04 | Diffusion Tube |
| CAM251 | 0.893965 | 0.900543 | 0.90475 | N/A | 0.899753 | 42.28 | 29.29 | Diffusion Tube |
| CAM253 | 0.96044 | 0.991128 | 0.961661 | N/A | 0.971076 | 22.86 | 17.09 | Diffusion Tube |
| CAM265 | 0.87194 | 0.818179 | 0.847088 | N/A | 0.845736 | 57.14 | 37.21 | Diffusion Tube |
| CAM268 | 0.893807 | 0.858662 | 0.912226 | N/A | 0.888232 | 46.45 | 31.77 | Diffusion Tube |
| CAM271 | 0.993789 | 0.9992 | 1.003223 | N/A | 0.998737 | 49.53 | 38.09 | Diffusion Tube |
| CAM328 | 1.011681 | 0.99493 | 0.996156 | N/A | 1.000922 | 45.48 | 35.05 | Diffusion Tube |

Appendix B Full Monthly Diffusion Tube Results for 2023

Table R. NO₂ 2023 Diffusion Tube Results (µg/m³)

| DT ID | X OS Grid Ref (Easting) | Y OS Grid Ref (Northing) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Annual Mean: Raw Data | Annual Mean: Annualised and Bias Adjusted | Annual Mean: Distance Corrected to Nearest Exposure | Comment | |
|-------|-------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|---|---|---------|--|
| CAM1 | 529030 | 185687 | 33.40 | 37.10 | 26.40 | 22.90 | 16.90 | 18.40 | 15.20 | 18.40 | 25.60 | 28.10 | 29.60 | 22.50 | 24.54 | 18.90 | N/A | | |
| CAM2 | 526518 | 185938 | 32.13 | 37.73 | 18.63 | 16.17 | 22.93 | 18.13 | 18.10 | 19.20 | 26.30 | 41.20 | 31.05 | 26.37 | 25.66 | 19.76 | N/A | | |
| CAM3 | 526518 | 185989 | 34.40 | 41.20 | 21.20 | 17.37 | 27.70 | 19.90 | 20.80 | 15.67 | 28.73 | 42.87 | 34.23 | 27.20 | 27.61 | 21.26 | N/A | | |
| CAM4 | 528159 | 185641 | 31.13 | 32.20 | 21.53 | 18.13 | 14.17 | 16.55 | 19.30 | 23.37 | | 38.13 | 32.13 | 30.40 | 25.19 | 19.39 | N/A | | |
| CAM5 | 528098 | 185597 | 28.23 | 31.73 | 23.80 | 22.40 | 19.90 | 24.67 | 23.70 | 23.80 | 29.20 | 44.23 | 30.00 | 31.07 | 27.73 | 21.35 | N/A | | |
| CAM6 | 526345 | 184876 | 41.40 | 42.37 | 24.27 | 19.60 | 28.80 | 15.20 | 30.00 | 17.15 | 38.57 | 49.80 | 44.10 | 38.60 | 32.49 | 25.02 | N/A | | |
| CAM7 | 526479 | 185411 | 43.03 | 47.40 | 25.90 | 21.60 | 23.47 | 27.65 | 25.70 | 19.50 | | | 38.70 | 34.95 | 30.79 | 23.71 | N/A | | |
| CAM8 | 526226 | 185337 | 37.83 | 39.90 | 22.40 | 20.13 | 25.90 | 22.07 | 23.20 | 13.37 | 32.53 | 48.10 | 35.25 | 26.37 | 28.92 | 22.27 | N/A | | |
| CAM9 | 526499 | 186122 | | | 17.15 | | | 16.73 | 15.47 | 13.60 | | | 26.30 | 19.57 | 18.14 | 15.75 | N/A | | |
| CAM10 | 528302 | 183932 | 39.40 | | | 20.63 | 32.53 | 15.30 | 16.10 | 28.27 | 32.03 | 46.27 | 37.15 | 25.47 | 29.32 | 22.57 | N/A | | |
| CAM11 | 524345 | 185133 | 40.60 | 47.50 | | 32.13 | 15.65 | 25.83 | 25.90 | 18.73 | 32.80 | 47.50 | 34.00 | 28.27 | 31.72 | 24.42 | N/A | | |
| CAM12 | 529918 | 184786 | 37.37 | 43.47 | | 34.83 | 20.17 | 17.53 | 18.90 | 24.53 | 28.80 | 45.37 | 33.10 | 31.40 | 30.50 | 23.48 | N/A | | |
| CAM13 | 529845 | 181595 | 26.25 | | 24.23 | 29.97 | 27.30 | 21.50 | 27.55 | 28.10 | 39.90 | 54.17 | 39.37 | | 31.83 | 24.51 | N/A | | |
| CAM14 | 529804 | 181519 | 45.23 | | 29.67 | 33.47 | 46.10 | 28.80 | 30.60 | 36.70 | 48.70 | 64.37 | 48.00 | | 41.16 | 31.70 | N/A | | |
| CAM15 | 529805 | 181703 | 38.27 | | 25.23 | 30.80 | 38.63 | 26.70 | | 29.90 | 37.95 | | 44.85 | | 34.04 | 26.53 | N/A | | |
| CAM16 | 530210 | 182748 | 41.77 | | 23.70 | 38.53 | 29.00 | 19.73 | 26.40 | 30.07 | 28.17 | | 49.43 | 47.10 | 33.39 | 25.71 | N/A | | |
| CAM17 | 529583 | 183051 | 38.00 | | 21.30 | 36.80 | 23.33 | 14.87 | 23.60 | 29.25 | 24.70 | 58.10 | 34.65 | 41.13 | 31.43 | 24.20 | N/A | | |
| CAM18 | 529617 | 182935 | 42.43 | 48.33 | 24.07 | 39.73 | 26.27 | 15.87 | 25.70 | 30.05 | 28.00 | 55.40 | 44.47 | 43.03 | 35.28 | 27.16 | N/A | | |
| CAM19 | 529522 | 183089 | 37.00 | 45.07 | 19.70 | 37.87 | 21.50 | | 24.13 | | | | 40.80 | | 32.30 | 22.78 | N/A | | |
| CAM20 | 526856 | 185301 | 34.33 | 36.80 | 19.10 | 30.00 | 14.87 | 20.90 | 19.77 | 15.47 | 27.43 | 48.53 | 31.33 | 26.47 | 27.08 | 20.85 | N/A | | |
| CAM21 | 526929 | 185226 | 34.47 | 37.43 | 18.23 | 29.17 | 16.20 | 22.10 | 19.00 | 15.80 | 25.90 | 45.97 | 35.25 | 24.90 | 27.03 | 20.82 | N/A | | |
| CAM22 | 527006 | 185160 | 35.57 | 37.70 | 22.00 | 30.00 | 15.20 | 20.10 | 20.37 | 14.53 | 30.10 | 45.43 | 36.10 | 28.03 | 27.93 | 21.50 | N/A | | |
| CAM23 | 527067 | 185152 | 39.50 | 38.33 | 21.90 | 31.47 | 17.00 | 22.93 | 22.50 | 15.83 | 30.33 | 45.27 | 37.67 | 31.13 | 29.49 | 22.71 | N/A | | |
| CAM24 | 525116 | 184772 | 43.03 | 44.25 | 20.60 | 30.03 | 18.40 | 21.40 | 24.13 | 18.70 | 32.55 | 45.65 | 34.40 | 28.40 | 30.13 | 23.20 | N/A | | |
| CAM25 | 525199 | 184709 | 42.80 | 46.17 | | | 18.37 | 26.70 | 22.50 | 19.43 | 33.10 | 47.10 | 36.30 | 26.87 | 31.93 | 24.59 | N/A | | |
| CAM26 | 525030 | 184701 | 45.37 | 42.60 | 22.10 | 31.90 | 19.80 | 24.87 | 26.23 | 19.57 | 33.93 | 48.10 | 34.20 | 28.00 | 31.39 | 24.17 | N/A | | |
| CAM27 | 529114 | 185052 | 35.07 | 34.67 | 25.43 | 25.00 | 18.50 | 21.90 | 18.35 | 26.60 | 26.73 | | 39.55 | 43.50 | 28.66 | 22.07 | N/A | | |
| CAM28 | 529112 | 184960 | | | | 19.90 | | | | 17.13 | 24.00 | 26.23 | 44.87 | 38.55 | 39.00 | 29.95 | 24.77 | N/A | |
| CAM29 | 529113 | 184869 | 33.50 | 31.47 | 24.37 | 23.77 | 16.00 | 20.50 | 18.13 | 25.17 | 25.13 | 43.57 | 36.23 | 35.07 | 27.74 | 21.36 | N/A | | |
| CAM30 | 531028 | 182092 | 48.60 | 59.60 | 46.23 | 32.30 | 39.10 | 30.10 | 42.33 | 45.30 | 57.67 | | 38.45 | 24.30 | 42.18 | 32.48 | N/A | | |
| CAM31 | 528745 | 186598 | 30.07 | 38.73 | 15.63 | 30.43 | 14.40 | 19.00 | 20.40 | 16.10 | 23.70 | 46.93 | 32.20 | 26.57 | 26.18 | 20.16 | N/A | | |
| CAM32 | 528685 | 186614 | 33.70 | 38.35 | 20.97 | | 19.77 | 26.93 | 27.83 | 20.03 | 33.50 | 52.75 | 39.23 | 26.00 | 30.82 | 23.73 | N/A | | |

| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|--|
| CAM33 | 528876 | 186421 | 31.73 | | 16.87 | 26.87 | 22.00 | 18.30 | 18.53 | 15.00 | 23.97 | 46.35 | 31.60 | 26.20 | 25.22 | 19.42 | N/A | |
| CAM34 | 528835 | 182980 | 32.73 | 38.57 | 18.40 | 29.47 | 22.10 | 12.10 | 30.63 | 16.40 | 33.07 | 37.07 | 30.03 | 21.73 | 26.86 | 20.68 | N/A | |
| CAM35 | 528814 | 182873 | 35.37 | | 22.67 | 33.80 | 25.70 | 13.50 | 24.07 | 15.57 | 36.50 | 36.63 | 33.43 | 26.63 | 27.62 | 21.27 | N/A | |
| CAM36 | 524928 | 185092 | 37.50 | 41.53 | 19.77 | 28.20 | 12.35 | 21.97 | 23.57 | 16.67 | 33.55 | 50.83 | 34.70 | 31.73 | 29.36 | 22.61 | N/A | |
| CAM37 | 525036 | 185121 | 34.63 | | | 27.43 | 31.40 | 20.47 | 23.23 | 16.47 | 29.73 | 44.20 | 35.43 | 28.73 | 29.17 | 22.46 | N/A | |
| CAM38 | 524860 | 185039 | 38.00 | 42.47 | 19.60 | 29.67 | 13.70 | 22.93 | 24.33 | 17.30 | 30.57 | 49.23 | 34.10 | 28.43 | 29.19 | 22.48 | N/A | |
| CAM39 | 526216 | 184457 | 38.17 | 44.05 | 20.47 | 20.67 | 42.13 | | 21.20 | 16.80 | 26.47 | 43.37 | 37.00 | 30.27 | 30.96 | 23.84 | N/A | |
| CAM40 | 528903 | 185009 | 33.57 | 35.55 | 23.80 | 21.03 | 21.00 | 19.93 | 14.00 | 23.60 | 27.85 | 40.30 | 37.30 | | 27.08 | 20.86 | N/A | |
| CAM41 | 528853 | 184975 | 30.95 | | 21.73 | 19.60 | 19.85 | 18.73 | 16.37 | 24.20 | 27.57 | 43.77 | 35.10 | | 25.79 | 19.86 | N/A | |
| CAM42 | 529409 | 184720 | 40.90 | | | | 31.70 | 18.43 | 24.13 | | 31.45 | 45.33 | | | 31.99 | 26.82 | N/A | |
| CAM43 | 526343 | 185755 | 34.03 | 35.67 | 20.10 | 20.07 | 30.60 | 14.90 | 17.65 | 29.73 | 32.47 | 36.75 | 36.70 | | 28.06 | 21.61 | N/A | |
| CAM44 | 528338 | 184776 | 34.17 | 33.70 | 23.37 | 21.43 | 24.57 | 26.37 | 18.80 | 18.47 | 28.67 | 53.20 | 40.50 | 29.83 | 29.42 | 22.66 | N/A | |
| CAM45 | 528233 | 184430 | 41.53 | 41.83 | 28.77 | 24.30 | 22.00 | 20.83 | 22.10 | 23.13 | 29.33 | 46.67 | 31.55 | | 30.19 | 23.24 | N/A | |
| CAM46 | 529113 | 182561 | 44.80 | | 22.43 | 38.67 | 33.70 | 19.40 | 22.50 | 16.65 | 27.27 | 37.90 | 39.17 | 27.33 | 29.98 | 23.09 | N/A | |
| CAM47 | 530760 | 182782 | 50.03 | | 31.70 | 50.90 | 41.90 | 35.63 | 53.27 | | 41.45 | | | | 43.55 | 36.39 | N/A | |
| CAM48 | 530705 | 182701 | 39.33 | 43.77 | 22.10 | 35.90 | 21.25 | 19.87 | 32.47 | | 35.00 | 46.90 | | | 32.95 | 25.37 | N/A | |
| CAM49 | 530879 | 182342 | 38.73 | 45.83 | 40.97 | 46.83 | 26.90 | 27.27 | 30.57 | 33.73 | 38.70 | 59.57 | 44.13 | | 39.38 | 30.33 | N/A | |
| CAM50 | 530822 | 182276 | 48.50 | 53.13 | 46.37 | 47.13 | 35.03 | | 49.73 | 38.60 | 33.67 | 71.87 | 46.77 | | 47.08 | 36.25 | N/A | |
| CAM51 | 531294 | 182146 | 36.27 | 41.97 | 31.85 | 37.67 | 23.80 | 22.50 | 26.87 | 30.77 | 34.23 | | 54.55 | 17.63 | 32.55 | 25.07 | N/A | |
| CAM52 | 531239 | 182105 | 36.10 | 44.33 | 29.77 | 47.23 | 24.27 | 21.90 | 28.97 | 27.43 | 31.50 | | 50.73 | 19.87 | 32.92 | 25.35 | N/A | |
| CAM53 | 530990 | 182574 | 43.70 | 53.90 | 25.30 | 33.77 | 19.63 | 16.27 | 35.40 | | 39.75 | 60.50 | 34.55 | | 36.28 | 27.93 | N/A | |
| CAM54 | 531147 | 182179 | 37.87 | 45.17 | | 36.93 | 24.47 | 21.53 | | | 39.73 | | 58.75 | 17.63 | 35.26 | 25.04 | N/A | |
| CAM55 | 530620 | 182633 | 45.47 | 61.43 | 27.37 | 47.30 | 34.33 | 29.90 | 45.10 | | 47.10 | 54.57 | 38.30 | | 43.09 | 33.18 | N/A | |
| CAM56 | 530775 | 182346 | 42.95 | 45.50 | 35.47 | 40.57 | 23.77 | 22.30 | 29.60 | 31.77 | 37.60 | 55.63 | 39.73 | | 36.81 | 28.34 | N/A | |
| CAM57 | 531056 | 181822 | 40.60 | 43.10 | 43.17 | 31.80 | 43.37 | 26.27 | | 20.57 | 36.83 | | 62.90 | | 38.73 | 29.82 | N/A | |
| CAM58 | 530915 | 182046 | 40.57 | 40.30 | 38.97 | 44.07 | 24.73 | 26.67 | 29.93 | 31.80 | 40.40 | | 47.87 | 19.27 | 34.96 | 26.92 | N/A | |
| CAM59 | 530823 | 182079 | 43.80 | 48.47 | 42.67 | 41.63 | 34.37 | 24.93 | 31.93 | 33.67 | 40.37 | | 59.83 | 19.97 | 38.33 | 29.51 | N/A | |
| CAM60 | 530884 | 182124 | 53.55 | 52.87 | 41.70 | 40.53 | 38.70 | 29.33 | 31.43 | 35.27 | 45.20 | | 65.65 | 22.13 | 41.49 | 31.95 | N/A | |
| CAM61 | 530965 | 182112 | 40.53 | 45.47 | 36.25 | 41.35 | 21.87 | 28.10 | 32.87 | 35.20 | 43.30 | | 62.67 | 21.40 | 37.18 | 28.63 | N/A | |
| CAM62 | 528305 | 184657 | 49.17 | 40.90 | 38.20 | 29.63 | 28.43 | 35.50 | 38.70 | 37.67 | | | 55.27 | | 39.27 | 30.24 | N/A | |
| CAM63 | 528179 | 184606 | 39.10 | 32.47 | 25.63 | 25.27 | 27.97 | 25.47 | 21.43 | 28.57 | 30.33 | 46.75 | 40.50 | | 31.23 | 24.04 | N/A | |
| CAM64 | 527990 | 184602 | 39.77 | 30.07 | 27.63 | 27.13 | 26.87 | 25.93 | 21.67 | 29.50 | 32.00 | | | | 28.95 | 22.29 | N/A | |
| CAM65 | 528244 | 184587 | 38.37 | 32.20 | 26.83 | 25.77 | 20.77 | 25.13 | 21.70 | 30.47 | 29.67 | 56.25 | 39.00 | | 31.47 | 24.23 | N/A | |
| CAM66 | 528377 | 184599 | 44.67 | 38.75 | 32.63 | 29.63 | 27.33 | 28.07 | 24.50 | 32.07 | 32.67 | 59.23 | 38.60 | | 35.29 | 27.17 | N/A | |
| CAM67 | 528380 | 184636 | 49.50 | 45.15 | 34.63 | 34.27 | 45.50 | 34.80 | 30.60 | 35.25 | 38.25 | 60.20 | 46.60 | | 41.34 | 31.83 | N/A | |
| CAM68 | 528537 | 184626 | 36.03 | 35.33 | 25.27 | 23.47 | 19.85 | 24.97 | 21.67 | 27.17 | 29.33 | 48.17 | 36.53 | | 29.80 | 22.94 | N/A | |
| CAM69 | 528736 | 184719 | 41.73 | 39.53 | 30.90 | 28.03 | 25.50 | 30.70 | 25.10 | | 31.67 | | 45.05 | | 33.14 | 25.51 | N/A | |
| CAM70 | 530093 | 182792 | 61.20 | 76.40 | 66.30 | 72.80 | 64.30 | 69.10 | 52.50 | | 78.00 | 68.00 | 67.40 | 60.70 | 66.97 | 51.57 | N/A | |
| CAM71 | 529907 | 182670 | 59.37 | 65.90 | 65.20 | 67.07 | 56.93 | 56.17 | 55.93 | 49.60 | 77.60 | 69.90 | 62.00 | 54.90 | 61.71 | 47.52 | N/A | |
| CAM73 | 530512 | 182511 | 29.20 | 35.70 | 26.20 | 21.20 | 14.80 | 14.10 | 15.90 | 17.70 | 23.60 | 24.40 | 28.20 | 25.50 | 23.04 | 17.74 | N/A | |
| CAM74 | 529013 | 185102 | 38.30 | 44.20 | 36.60 | 36.90 | 33.40 | 35.80 | 26.80 | 30.40 | 39.40 | 44.20 | 40.10 | 32.40 | 36.54 | 28.14 | N/A | |

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|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|--|
| CAM75 | 526213 | 185519 | 24.50 | 29.80 | 20.40 | | 11.60 | 11.20 | 12.40 | 12.60 | 19.40 | 23.10 | 26.20 | | 19.12 | 14.72 | N/A | |
| CAM76 | 526547 | 185125 | 44.50 | 46.80 | 33.50 | 33.40 | 27.20 | | 25.20 | 29.50 | 37.60 | 37.30 | | 31.10 | 34.61 | 26.65 | N/A | |
| CAM77 | 526633 | 184392 | 51.47 | 58.47 | 46.97 | 49.93 | 45.60 | 42.47 | 31.70 | 38.53 | 48.80 | 47.67 | 37.13 | 36.85 | 44.63 | 34.37 | N/A | |
| CAM78 | 529904 | 183138 | 42.40 | | 42.50 | 41.80 | 41.40 | 35.30 | 31.70 | 30.80 | 49.60 | 56.60 | 67.80 | 61.30 | 45.56 | 35.08 | N/A | |
| CAM79 | 529880 | 182334 | 32.70 | 41.60 | 33.50 | | | 19.20 | | 20.80 | | | 38.30 | | 31.02 | 21.30 | N/A | |
| CAM80 | 529689 | 182470 | 38.20 | 56.00 | | | 30.00 | 31.40 | 28.40 | 21.30 | 42.70 | | 41.20 | 34.60 | 35.98 | 27.70 | N/A | |
| CAM81 | 529568 | 181728 | 61.40 | | | | 43.10 | 34.40 | 47.70 | 48.60 | 58.90 | | | 52.80 | 49.56 | 43.87 | N/A | |
| CAM82 | 525362 | 185255 | 44.30 | 52.90 | 36.50 | 34.90 | 30.00 | 35.00 | 25.70 | 29.90 | 42.90 | 42.20 | 44.40 | 33.70 | 37.70 | 29.03 | N/A | |
| CAM83 | 528213 | 187203 | 23.70 | 36.70 | 19.70 | 22.30 | 17.70 | 20.20 | 11.30 | 19.60 | 31.40 | 31.70 | 28.30 | 13.80 | 23.03 | 17.74 | N/A | |
| CAM84 | 529173 | 184129 | 43.60 | 55.30 | 45.40 | 48.80 | 41.80 | 41.90 | 34.70 | 45.40 | 65.10 | 60.10 | 52.30 | 34.20 | 47.38 | 36.49 | N/A | |
| CAM85 | 528722 | 185950 | 44.60 | 47.40 | 32.50 | 27.60 | 21.80 | 19.40 | 21.50 | 22.40 | 33.90 | 38.30 | 32.60 | 31.40 | 31.12 | 23.96 | N/A | |
| CAM86 | 529962 | 181620 | 43.50 | 57.50 | 40.40 | 38.10 | 35.10 | 30.80 | 24.30 | 29.20 | 41.10 | 42.20 | 44.40 | 33.00 | 38.30 | 29.49 | N/A | |
| CAM87 | 529118 | 185913 | 47.30 | 44.70 | 35.40 | 33.20 | 24.00 | 23.90 | 20.80 | 21.70 | 34.60 | 34.20 | 32.80 | 25.00 | 31.47 | 24.23 | N/A | |
| CAM88 | 529099 | 185881 | | 36.20 | 26.90 | 27.50 | 19.90 | 18.00 | 14.70 | 18.40 | 28.00 | | 30.30 | | 24.43 | 18.81 | N/A | |
| CAM89 | 529060 | 185848 | 35.20 | 39.30 | | 22.90 | 17.50 | 18.00 | 13.30 | 17.60 | 26.50 | 31.30 | 34.90 | 25.30 | 25.62 | 19.73 | N/A | |
| CAM90 | 529334 | 183868 | 37.40 | 42.70 | 30.80 | 42.60 | 17.20 | 22.20 | 21.40 | | 22.40 | | | | 29.59 | 22.41 | N/A | |
| CAM91 | 529142 | 183738 | 42.35 | 35.90 | 37.65 | 44.20 | 16.20 | 24.60 | 30.40 | 33.95 | 33.30 | 59.25 | 40.25 | 43.45 | 36.79 | 28.33 | N/A | |
| CAM92 | 529054 | 183772 | 57.20 | 52.50 | 45.30 | 44.60 | 25.20 | 31.90 | 45.10 | 52.40 | 55.30 | 84.80 | 56.30 | 63.70 | 51.19 | 39.42 | N/A | |
| CAM93 | 529010 | 183795 | 43.73 | 44.20 | 37.10 | 48.80 | 30.10 | 29.37 | 32.97 | 36.17 | 37.20 | 63.90 | 45.00 | 43.80 | 41.03 | 31.59 | N/A | |
| CAM94 | 528971 | 183636 | 54.40 | 69.90 | 36.20 | 59.60 | 30.80 | 51.00 | 37.90 | | 34.80 | 58.60 | 42.00 | 40.50 | 46.88 | 36.10 | N/A | |
| CAM95 | 528968 | 183551 | 44.40 | 44.10 | 31.30 | 31.80 | 16.80 | | 24.20 | 23.70 | 21.60 | 55.30 | 32.90 | 39.60 | 33.25 | 25.60 | N/A | |
| CAM96 | 528881 | 183697 | | 39.40 | 28.00 | 46.80 | 17.20 | 24.30 | 28.30 | | | 57.80 | 36.40 | 43.00 | 35.69 | 27.48 | N/A | |
| CAM97 | 528867 | 183547 | 39.90 | 41.10 | 28.20 | 26.40 | 16.30 | 20.20 | 26.20 | | 24.60 | 51.90 | 39.40 | 39.60 | 32.16 | 24.77 | N/A | |
| CAM98 | 528866 | 183590 | 48.23 | 54.15 | 35.63 | 51.03 | 31.00 | 36.60 | 32.93 | 45.53 | 38.37 | 70.53 | 45.80 | 43.55 | 44.45 | 34.22 | N/A | |
| CAM99 | 528836 | 183625 | 39.60 | 37.90 | 22.30 | 24.60 | 16.20 | 21.90 | | 22.50 | 25.20 | 47.50 | 34.30 | 37.60 | 29.96 | 23.07 | N/A | |
| CAM100 | 528695 | 183596 | 45.00 | 47.20 | 34.53 | 48.85 | 31.90 | 30.90 | 26.80 | 36.33 | 32.63 | 52.57 | 41.67 | 41.53 | 39.16 | 30.15 | N/A | |
| CAM101 | 528654 | 183570 | 54.80 | 53.20 | 42.60 | 52.10 | 24.50 | 39.60 | 34.70 | 47.60 | 46.60 | 61.30 | 38.20 | | 45.02 | 34.66 | N/A | |
| CAM102 | 528604 | 183457 | 40.05 | 40.25 | 35.40 | 51.25 | 29.30 | 33.60 | 27.35 | 35.20 | 40.00 | 58.15 | 37.40 | 44.50 | 39.37 | 30.32 | N/A | |
| CAM103 | 528636 | 183577 | 52.37 | 51.37 | 42.17 | 48.40 | 29.23 | 33.53 | 33.80 | 41.43 | 39.37 | 63.27 | 42.87 | | 43.44 | 33.45 | N/A | |
| CAM104 | 528560 | 183695 | 34.30 | 42.30 | 28.50 | 31.70 | | 26.50 | 30.10 | 35.80 | 31.90 | 64.30 | | 46.00 | 37.14 | 28.60 | N/A | |
| CAM105 | 528724 | 183702 | 53.80 | | | 42.80 | | 31.00 | 22.40 | 36.10 | 34.90 | | | | 36.83 | 30.58 | N/A | |
| CAM106 | 529548 | 184449 | 31.43 | 39.10 | 26.20 | 33.53 | 17.93 | 18.10 | 19.13 | 22.03 | 25.77 | 38.73 | 37.25 | | 28.11 | 21.65 | N/A | |
| CAM107 | 529677 | 184531 | 34.90 | 35.75 | 28.73 | 34.27 | 19.50 | 16.73 | 19.33 | 24.03 | 28.07 | 43.33 | 32.35 | 33.67 | 29.22 | 22.50 | N/A | |
| CAM108 | 529725 | 184680 | 33.17 | 48.15 | 29.03 | 31.70 | 21.90 | 17.00 | 18.17 | 25.17 | 27.37 | 41.43 | 30.37 | 28.57 | 29.33 | 22.59 | N/A | |
| CAM109 | 529767 | 184734 | 43.47 | | 44.27 | 41.57 | 24.40 | 18.53 | 19.17 | 25.10 | 30.35 | 45.87 | 38.77 | 36.85 | 33.48 | 25.78 | N/A | |
| CAM110 | 529754 | 184457 | 38.10 | 39.70 | 35.77 | 36.00 | 20.05 | 19.65 | 22.13 | 25.70 | 33.47 | 48.20 | | 29.70 | 31.68 | 24.39 | N/A | |
| CAM121 | 528081 | 184490 | 37.00 | 42.50 | 27.10 | 27.70 | 23.10 | 21.20 | 16.60 | 22.10 | 26.30 | 32.80 | 34.70 | 19.30 | 27.53 | 21.20 | N/A | |
| CAM122 | 528558 | 184331 | 30.60 | 37.40 | 25.60 | 23.00 | 16.50 | 16.70 | 14.60 | 16.30 | 23.70 | 26.20 | 32.20 | 24.00 | 23.90 | 18.40 | N/A | |
| CAM123 | 528619 | 184315 | 35.10 | 37.60 | 24.40 | 24.90 | 17.20 | 16.50 | 15.50 | 19.10 | 27.70 | 29.00 | 36.20 | 22.80 | 25.50 | 19.64 | N/A | |
| CAM124 | 528881 | 184287 | 48.00 | 48.10 | 35.20 | 34.50 | 24.90 | 26.00 | 28.70 | 36.20 | 40.40 | 43.70 | 41.10 | 35.70 | 36.88 | 28.39 | N/A | |
| CAM125 | 528935 | 184053 | 35.00 | 47.30 | 32.20 | 36.30 | 26.70 | 24.20 | 23.80 | 27.40 | 45.30 | 38.30 | 37.10 | 33.10 | 33.89 | 26.10 | N/A | |

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|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|--|
| CAM126 | 528898 | 184094 | 36.40 | 42.80 | 31.20 | 31.30 | 23.40 | | | 23.20 | | | 27.00 | 33.30 | 31.08 | 22.12 | N/A | |
| CAM127 | 528704 | 184011 | 30.60 | 42.60 | | | | 21.20 | 16.70 | 19.00 | 29.70 | 30.00 | 35.20 | 21.10 | 27.34 | 21.06 | N/A | |
| CAM128 | 528722 | 184127 | 37.70 | 46.10 | 32.80 | | 31.60 | | 23.40 | 28.10 | 36.40 | | | | 33.73 | 25.52 | N/A | |
| CAM129 | 528845 | 183970 | 39.00 | 46.80 | 37.20 | 35.80 | 26.40 | 24.90 | 22.40 | 26.40 | | 39.50 | 42.00 | 33.70 | 34.01 | 26.19 | N/A | |
| CAM130 | 528884 | 183901 | 46.10 | 51.00 | 36.60 | 41.10 | 30.90 | | 30.40 | 34.70 | 45.00 | 44.40 | 44.30 | 31.30 | 39.62 | 30.51 | N/A | |
| CAM131 | 528915 | 183870 | 53.10 | 51.40 | 50.10 | 49.50 | | | 36.30 | 40.00 | 53.90 | 53.30 | 51.50 | 34.90 | 47.40 | 36.50 | N/A | |
| CAM132 | 528770 | 183887 | 35.90 | 42.10 | 28.90 | 28.50 | 21.70 | 19.90 | 17.50 | 18.20 | 29.00 | 32.00 | 23.80 | 23.60 | 26.76 | 20.60 | N/A | |
| CAM133 | 528715 | 184456 | 35.10 | 33.40 | 19.20 | 23.20 | 16.50 | | 13.70 | 17.20 | 23.30 | 27.20 | | 25.30 | 23.41 | 18.03 | N/A | |
| CAM134 | 528119 | 184354 | 37.30 | 33.80 | 25.80 | 26.30 | 20.35 | 25.90 | 20.80 | 27.27 | 30.40 | 51.40 | 33.97 | | 30.30 | 23.33 | N/A | |
| CAM135 | 528335 | 184338 | 46.07 | 42.73 | 29.50 | 37.23 | 49.10 | 32.77 | | 35.43 | 36.80 | 58.73 | 46.93 | | 41.53 | 31.98 | N/A | |
| CAM136 | 528456 | 184345 | 44.95 | 47.05 | 34.70 | 33.87 | 34.15 | | 29.30 | 39.10 | 40.47 | 56.90 | 42.83 | | 40.33 | 31.06 | N/A | |
| CAM137 | 528582 | 184265 | 39.73 | 38.40 | 29.83 | 25.33 | 22.37 | 25.27 | 24.60 | 31.00 | 33.47 | 40.60 | 52.95 | | 33.05 | 25.45 | N/A | |
| CAM138 | 527278 | 185153 | 51.33 | 47.00 | 34.27 | 43.27 | 22.47 | 40.80 | 32.70 | 40.00 | 46.25 | 65.30 | 52.70 | 34.27 | 42.53 | 32.75 | N/A | |
| CAM139 | 527184 | 185274 | 61.37 | 55.97 | 26.37 | | 38.00 | 43.77 | 34.17 | 43.95 | 48.00 | 62.03 | 51.57 | 44.17 | 46.30 | 35.65 | N/A | |
| CAM140 | 527299 | 185071 | 39.17 | 45.20 | 21.20 | 35.03 | 21.13 | 23.13 | 20.33 | 27.83 | 29.07 | 48.10 | 38.73 | 29.03 | 31.50 | 24.25 | N/A | |
| CAM141 | 527500 | 184974 | 41.43 | 31.00 | 22.95 | 41.73 | 25.63 | 29.53 | 24.85 | 30.17 | 34.17 | 56.00 | 43.27 | 28.13 | 34.07 | 26.24 | N/A | |
| CAM142 | 529606 | 183589 | 42.97 | 55.63 | 26.00 | 41.07 | 31.33 | 17.83 | 33.57 | 34.00 | | 69.05 | 48.35 | 61.50 | 41.94 | 32.29 | N/A | |
| CAM143 | 529443 | 183941 | 38.70 | 44.43 | 34.27 | 39.30 | 25.50 | 23.03 | 27.93 | 30.67 | 29.93 | 65.00 | 37.27 | 47.73 | 36.98 | 28.48 | N/A | |
| CAM144 | 529405 | 184139 | | | | | 25.57 | | | 35.25 | 41.20 | 55.70 | 37.85 | 39.75 | 39.22 | 32.03 | N/A | |
| CAM145 | 529233 | 184325 | 41.00 | 50.95 | 34.50 | 45.47 | 36.20 | 17.73 | 37.00 | 19.30 | 37.20 | 52.70 | 41.90 | 37.50 | 37.62 | 28.97 | N/A | |
| CAM146 | 529289 | 183697 | 40.20 | 42.55 | 30.47 | 36.47 | 23.63 | 21.33 | 26.20 | 30.40 | 27.83 | 54.90 | 33.95 | 40.93 | 34.07 | 26.24 | N/A | |
| CAM147 | 530004 | 184626 | 45.53 | 55.70 | 35.87 | 44.00 | 27.70 | 32.30 | 30.63 | 36.80 | 44.95 | 61.50 | 46.70 | 42.27 | 42.00 | 32.34 | N/A | |
| CAM148 | 530067 | 184286 | 53.20 | 64.67 | 36.93 | 47.37 | 31.37 | 34.30 | 31.07 | 38.13 | 49.63 | 59.27 | 47.73 | 48.73 | 45.20 | 34.80 | N/A | |
| CAM149 | 530320 | 183606 | 45.73 | 38.10 | 34.27 | 38.40 | 26.93 | 29.90 | 32.17 | 35.50 | | 61.90 | 38.20 | 45.30 | 38.76 | 29.85 | N/A | |
| CAM150 | 528259 | 185061 | | 36.63 | 22.90 | 21.53 | 24.55 | | 18.80 | 25.80 | 27.87 | 47.70 | 37.13 | | 29.21 | 22.49 | N/A | |
| CAM151 | 528191 | 185041 | 32.33 | 19.10 | 24.40 | 21.07 | 18.60 | 23.70 | 19.53 | 27.33 | 32.77 | 50.30 | 36.60 | | 27.79 | 21.40 | N/A | |
| CAM152 | 528248 | 185360 | 35.83 | 36.07 | 25.27 | 23.80 | 20.70 | 25.57 | 20.20 | 26.90 | 28.77 | 45.50 | 39.63 | 31.90 | 30.01 | 23.11 | N/A | |
| CAM153 | 528404 | 185130 | 34.60 | 31.50 | 24.30 | 19.83 | 20.95 | 20.67 | 18.03 | 26.63 | 29.10 | 47.40 | 37.20 | | 28.20 | 21.72 | N/A | |
| CAM154 | 528516 | 185100 | 36.00 | 31.47 | 25.87 | 23.23 | 20.13 | 22.47 | 18.25 | 27.17 | 31.53 | 52.05 | 37.45 | | 29.60 | 22.79 | N/A | |
| CAM155 | 528874 | 185037 | 30.23 | 32.63 | 21.97 | 23.40 | 18.65 | 21.90 | 17.10 | 14.60 | 25.47 | 42.53 | 31.70 | | 25.47 | 19.61 | N/A | |
| CAM156 | 527865 | 185224 | 42.17 | 30.83 | 32.93 | 27.00 | 24.50 | 28.73 | 23.63 | 35.00 | 37.40 | 56.47 | 45.77 | 30.15 | 34.55 | 26.60 | N/A | |
| CAM157 | 528251 | 184767 | 38.27 | 37.87 | 28.83 | 27.03 | 23.40 | 26.60 | 21.60 | 27.80 | 35.35 | 49.75 | 38.40 | | 32.26 | 24.84 | N/A | |
| CAM158 | 528334 | 184832 | 35.53 | 36.25 | 23.83 | 21.37 | 15.20 | 21.10 | 19.80 | 25.90 | 31.13 | 42.70 | 36.75 | | 28.14 | 21.67 | N/A | |
| CAM159 | 528309 | 185097 | 34.00 | 33.23 | 24.87 | 23.97 | 18.07 | 22.33 | 17.03 | 26.07 | 29.80 | 47.10 | 38.20 | | 28.61 | 22.03 | N/A | |
| CAM160 | 528430 | 184837 | 33.50 | 30.07 | 22.77 | 19.13 | 17.07 | 20.80 | 20.70 | 23.10 | 30.15 | 41.67 | 29.40 | | 26.21 | 20.18 | N/A | |
| CAM161 | 529595 | 185067 | 32.60 | 45.40 | 20.75 | 25.35 | 35.00 | 21.10 | 21.00 | | | 46.70 | | | 30.99 | 23.22 | N/A | |
| CAM162 | 529842 | 184780 | 40.30 | 52.05 | 31.47 | 46.07 | 31.90 | 27.63 | 22.00 | 30.80 | 32.90 | 44.93 | | 36.05 | 36.01 | 27.73 | N/A | |
| CAM163 | 529317 | 184124 | | 42.50 | 31.43 | 37.10 | 23.35 | 19.85 | 22.67 | 29.23 | 29.17 | | 47.70 | | 31.44 | 24.21 | N/A | |
| CAM164 | 529264 | 184155 | 40.50 | 50.00 | 35.00 | 42.03 | 25.33 | 25.73 | 27.10 | 31.07 | 33.63 | 55.20 | 42.80 | 41.00 | 37.45 | 28.84 | N/A | |
| CAM165 | 529310 | 183998 | 42.70 | | 39.23 | 43.73 | 28.30 | 27.83 | 30.07 | 35.37 | 37.40 | 54.50 | 45.03 | 42.93 | 38.83 | 29.90 | N/A | |
| CAM166 | 529279 | 183390 | 64.90 | 71.40 | 42.70 | 65.47 | 50.30 | 35.50 | 58.40 | | 59.87 | 93.37 | 44.80 | 72.00 | 59.88 | 46.11 | N/A | |

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|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|--|
| CAM167 | 527440 | 184319 | | | 37.50 | 59.97 | 37.13 | 47.10 | 52.17 | 34.07 | 67.57 | 75.53 | 71.70 | 62.60 | 54.53 | 41.99 | N/A | |
| CAM168 | 526852 | 184138 | 55.47 | 58.55 | 34.03 | 48.67 | 36.53 | 38.63 | 44.27 | | 52.80 | 63.65 | 52.90 | 46.27 | 48.34 | 37.22 | N/A | |
| CAM169 | 526885 | 183959 | 40.43 | 54.87 | 25.17 | 36.80 | 32.00 | 30.93 | 32.23 | 32.43 | 40.27 | | 48.30 | 38.45 | 37.44 | 28.83 | N/A | |
| CAM170 | 526924 | 183780 | 34.87 | 43.87 | 19.20 | 31.70 | 19.00 | 29.10 | 24.07 | 16.00 | 31.47 | 44.07 | 35.15 | 32.50 | 30.08 | 23.16 | N/A | |
| CAM171 | 527018 | 183899 | 38.20 | 47.77 | 23.43 | 38.63 | 20.75 | 21.10 | 29.93 | 20.23 | 38.30 | 49.40 | 35.87 | 35.60 | 33.27 | 25.62 | N/A | |
| CAM172 | 527372 | 184086 | 38.30 | 46.57 | 18.63 | 28.67 | 27.80 | 19.13 | 23.77 | 16.77 | 32.77 | 48.55 | 34.73 | 31.87 | 30.63 | 23.58 | N/A | |
| CAM173 | 527517 | 184159 | 35.00 | 44.97 | 18.47 | 29.37 | 17.57 | 20.10 | 23.20 | 16.47 | 29.47 | 43.87 | 35.80 | 29.20 | 28.62 | 22.04 | N/A | |
| CAM174 | 526930 | 184135 | | 39.95 | 27.23 | | | 35.47 | 37.43 | 21.75 | 45.17 | | 39.05 | 37.95 | 35.50 | 28.47 | N/A | |
| CAM175 | 527213 | 184163 | | 43.57 | 19.33 | 30.77 | 16.60 | 21.47 | 24.80 | 19.30 | 32.60 | 44.10 | 47.10 | 36.07 | 30.52 | 23.50 | N/A | |
| CAM176 | 527496 | 184210 | | 41.50 | 21.23 | 34.13 | 20.90 | 22.23 | 23.77 | 19.37 | 33.73 | 46.10 | 39.05 | 34.43 | 30.59 | 23.55 | N/A | |
| CAM177 | 527595 | 184210 | | 49.15 | 19.33 | 29.83 | 23.85 | 23.03 | 26.10 | | 31.40 | 43.37 | 41.75 | 30.37 | 31.82 | 24.50 | N/A | |
| CAM178 | 527582 | 184132 | 38.30 | 46.97 | 23.73 | 38.67 | 21.05 | 22.40 | 24.37 | 17.65 | 34.07 | 47.53 | 35.40 | 31.93 | 31.84 | 24.52 | N/A | |
| CAM182 | 530386 | 182171 | 41.30 | 46.27 | 28.40 | 44.63 | 31.77 | 25.10 | 32.15 | 30.43 | 42.90 | 64.23 | 42.80 | | 39.09 | 30.10 | N/A | |
| CAM189 | 530104 | 182388 | 41.90 | 57.17 | 38.15 | 42.73 | | 22.40 | 33.57 | 35.60 | 34.40 | 63.70 | 52.47 | | 42.21 | 32.50 | N/A | |
| CAM194 | 530343 | 182500 | 43.35 | 50.55 | 31.00 | 36.93 | 39.60 | 20.00 | 29.53 | 29.43 | 40.90 | 49.73 | 48.55 | 46.30 | 38.82 | 29.89 | N/A | |
| CAM196 | 530193 | 182529 | 39.53 | | 31.27 | 42.50 | 25.80 | 20.63 | 28.93 | 33.73 | 32.23 | 56.77 | 50.50 | 44.83 | 36.98 | 28.47 | N/A | |
| CAM200 | 530044 | 182947 | 51.10 | | 34.13 | 63.23 | | 33.77 | 43.50 | 47.37 | 39.90 | 74.27 | 60.80 | 51.60 | 49.97 | 38.47 | N/A | |
| CAM204 | 529860 | 182451 | 50.80 | | 40.93 | 48.90 | 39.03 | 37.33 | 52.07 | 53.23 | 55.10 | 85.07 | 74.30 | | 53.68 | 41.33 | N/A | |
| CAM241 | 530042 | 181188 | 49.55 | 42.83 | 46.13 | 55.83 | | 29.80 | 33.05 | 21.75 | | 58.80 | 42.70 | | 42.27 | 32.55 | N/A | |
| CAM242 | 529978 | 181100 | 49.63 | | 31.20 | | | | | 20.83 | 42.70 | | | | 36.09 | 26.42 | N/A | |
| CAM243 | 530073 | 181169 | 49.40 | 54.20 | 31.17 | 47.90 | | 34.40 | | 20.23 | 41.30 | 71.50 | 23.60 | | 41.52 | 31.97 | N/A | |
| CAM244 | 530059 | 181041 | 47.70 | 52.85 | 29.30 | 41.60 | 20.03 | 32.07 | 39.80 | 21.33 | 43.30 | 55.45 | 36.70 | | 38.19 | 29.41 | N/A | |
| CAM245 | 530036 | 181120 | 51.97 | 61.20 | 32.40 | 46.90 | 18.47 | 39.73 | 53.83 | 22.93 | 55.90 | 76.87 | 53.05 | | 46.66 | 35.93 | N/A | |
| CAM246 | 530086 | 181070 | 65.13 | 75.60 | 43.90 | 74.40 | 43.13 | 58.83 | 82.73 | 35.13 | 75.55 | 93.40 | 61.37 | | 64.47 | 49.64 | N/A | |
| CAM247 | 530131 | 181105 | 45.23 | 56.63 | 25.65 | 45.23 | 24.40 | 27.70 | 37.43 | 21.37 | 38.97 | 61.33 | | | 38.40 | 29.56 | N/A | |
| CAM248 | 530018 | 181078 | 70.83 | | | 72.10 | 46.20 | 53.80 | 76.20 | | 65.70 | 92.25 | 42.13 | | 64.90 | 50.91 | N/A | |
| CAM249 | 530009 | 181037 | | | | 41.63 | 23.53 | 33.45 | 38.43 | 24.03 | 37.37 | | | | 33.08 | 31.93 | N/A | |
| CAM250 | 530100 | 181029 | 41.90 | 46.40 | | 46.93 | | 27.40 | 36.10 | 19.75 | 36.73 | 64.27 | | | 39.94 | 30.04 | N/A | |
| CAM251 | 530114 | 181134 | 44.50 | 54.00 | 28.87 | 37.97 | | | | 20.60 | 43.80 | | 64.50 | 44.00 | 42.28 | 29.29 | N/A | |
| CAM252 | 530139 | 181178 | 46.63 | 43.07 | 35.60 | 41.77 | 22.33 | 30.57 | 35.37 | 20.73 | 36.70 | | 44.90 | | 35.77 | 27.54 | N/A | |
| CAM253 | 529497 | 183948 | 31.10 | 32.60 | 22.80 | 23.40 | 16.30 | 16.50 | | 17.30 | 22.90 | | | | 22.86 | 17.09 | N/A | |
| CAM254 | 529660 | 183797 | 33.60 | 37.00 | 26.50 | 25.70 | 17.50 | 18.00 | | 21.30 | 27.40 | 31.50 | 36.70 | 25.00 | 27.29 | 21.01 | N/A | |
| CAM255 | 529698 | 183770 | 32.40 | 37.60 | 24.90 | 25.60 | 18.60 | 17.50 | 15.10 | 17.60 | 27.60 | 32.40 | | 22.90 | 24.75 | 19.05 | N/A | |
| CAM256 | 529748 | 183733 | 32.50 | 39.40 | 25.20 | 21.50 | 18.90 | 15.60 | 14.00 | | 25.20 | 27.60 | 30.30 | 23.10 | 24.85 | 19.13 | N/A | |
| CAM257 | 529988 | 183524 | 39.00 | 39.80 | 32.50 | 26.90 | 19.20 | 16.00 | 21.80 | 22.20 | 30.40 | 34.80 | 38.90 | 58.20 | 31.64 | 24.36 | N/A | |
| CAM258 | 528021 | 185593 | 31.50 | 27.63 | 22.93 | 19.27 | 16.70 | 13.03 | 19.63 | 23.17 | 30.37 | 42.53 | 33.10 | 28.20 | 25.67 | 19.77 | N/A | |
| CAM259 | 527926 | 185614 | 31.50 | 27.47 | 22.83 | 17.67 | 24.17 | 13.93 | 19.07 | 23.53 | 30.87 | 41.67 | 33.47 | 29.97 | 26.34 | 20.29 | N/A | |
| CAM260 | 527865 | 185604 | 34.17 | 25.33 | 21.87 | 19.93 | 19.27 | 12.50 | 17.87 | 23.63 | 29.57 | 45.50 | 32.20 | 31.57 | 26.12 | 20.11 | N/A | |
| CAM261 | 525668 | 183335 | 42.97 | 51.60 | 30.67 | 36.83 | | 37.10 | 31.00 | 37.30 | 56.10 | 52.95 | 55.23 | 31.73 | 42.13 | 32.44 | N/A | |
| CAM262 | 525557 | 183462 | 49.95 | 58.20 | 33.80 | 37.97 | 33.63 | 38.80 | 40.23 | 35.10 | 37.00 | 64.50 | 57.07 | 43.10 | 44.11 | 33.97 | N/A | |
| CAM263 | 525439 | 183589 | 71.20 | | 56.47 | 75.73 | 23.80 | 34.90 | | | 58.10 | 56.03 | 54.35 | 60.20 | 54.53 | 41.99 | N/A | |

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|
| CAM264 | 525381 | 183708 | 53.47 | 60.45 | 28.80 | 43.00 | 23.00 | | 43.35 | 27.23 | 47.37 | 60.63 | | 37.90 | 42.52 | 32.74 | N/A |
| CAM265 | 525258 | 183828 | 68.60 | 73.00 | | | | | | 24.37 | 55.50 | 64.25 | 57.13 | | 57.14 | 37.21 | N/A |
| CAM266 | 525156 | 183991 | 62.53 | 89.77 | 46.10 | 66.83 | | 34.90 | | 29.27 | 37.70 | 89.00 | 64.40 | 51.75 | 57.23 | 44.06 | N/A |
| CAM267 | 525077 | 184067 | 66.60 | 83.47 | | 55.73 | 30.25 | | 52.80 | 29.60 | 70.15 | 54.50 | 49.40 | 52.07 | 54.46 | 41.93 | N/A |
| CAM268 | 524998 | 184185 | 52.70 | 64.63 | 33.13 | | | | 42.70 | | | 52.60 | 41.70 | 37.70 | 46.45 | 31.77 | N/A |
| CAM269 | 524904 | 184281 | 58.00 | 64.43 | 41.90 | 55.50 | | | 51.10 | 27.03 | 46.60 | 50.70 | 62.30 | 44.17 | 50.17 | 38.63 | N/A |
| CAM270 | 524747 | 184500 | 52.97 | 55.20 | 39.20 | 47.90 | 27.20 | | | 34.80 | 38.10 | 58.80 | 42.80 | 34.33 | 43.13 | 33.21 | N/A |
| CAM271 | 524631 | 184665 | 56.27 | | | 55.63 | 29.50 | 31.05 | | | 55.27 | 77.85 | 47.15 | 43.55 | 49.53 | 38.09 | N/A |
| CAM272 | 528437 | 187270 | 30.40 | 31.60 | 19.03 | 33.33 | 17.70 | 23.30 | 19.93 | 20.00 | 27.10 | 48.67 | 30.90 | 30.37 | 27.69 | 21.32 | N/A |
| CAM273 | 528324 | 186396 | 35.50 | 41.30 | | 33.30 | 21.60 | 23.80 | 24.03 | | 26.20 | 41.60 | 29.53 | 24.53 | 30.14 | 23.21 | N/A |
| CAM274 | 528918 | 186959 | 34.00 | 43.67 | 19.70 | 31.37 | 22.45 | 20.43 | 22.83 | 15.30 | 26.90 | 43.70 | 34.70 | 35.60 | 29.22 | 22.50 | N/A |
| CAM275 | 528967 | 186654 | 40.33 | | 21.27 | 39.07 | 19.83 | 26.47 | 28.95 | 18.77 | 30.83 | 57.43 | 39.50 | 37.53 | 32.73 | 25.20 | N/A |
| CAM276 | 529025 | 186145 | 42.50 | 48.67 | 24.80 | 40.13 | 27.97 | 29.70 | 21.67 | 34.53 | 33.97 | 53.93 | 41.40 | 30.77 | 35.84 | 27.59 | N/A |
| CAM277 | 528364 | 186173 | 39.47 | 46.30 | 28.07 | 50.40 | 33.43 | 42.40 | 43.67 | 28.20 | 44.40 | 65.43 | 42.67 | 46.50 | 42.58 | 32.78 | N/A |
| CAM278 | 528763 | 185546 | 43.57 | 47.20 | 26.67 | 44.57 | 25.87 | 31.83 | 23.33 | 36.90 | 35.83 | 53.60 | 42.35 | 38.27 | 37.50 | 28.87 | N/A |
| CAM279 | 528523 | 185778 | 43.67 | 56.27 | 24.40 | 39.80 | 31.65 | 34.50 | 28.07 | 39.73 | 39.90 | 64.97 | 41.80 | 49.77 | 41.21 | 31.73 | N/A |
| CAM280 | 528939 | 185366 | 37.97 | 49.40 | 31.53 | 37.40 | 21.15 | 33.95 | 25.33 | 31.95 | 36.15 | 59.20 | 52.45 | 40.90 | 38.12 | 29.35 | N/A |
| CAM281 | 528788 | 186048 | 34.87 | 37.70 | 21.70 | 32.70 | 17.10 | 21.50 | 21.70 | 14.63 | 34.40 | 49.10 | 32.90 | 34.93 | 29.44 | 22.67 | N/A |
| CAM282 | 528924 | 186085 | | 47.13 | 26.20 | 37.30 | 20.33 | 27.90 | 28.60 | 24.90 | 26.73 | 56.63 | 40.95 | 37.90 | 34.05 | 26.22 | N/A |
| CAM283 | 529119 | 186219 | 36.10 | 46.20 | 21.35 | 32.55 | 19.80 | 24.87 | 21.13 | 25.17 | 27.37 | 53.53 | 31.67 | 36.20 | 31.33 | 24.12 | N/A |
| CAM284 | 529179 | 186011 | 41.03 | 45.50 | 30.13 | 41.47 | 26.23 | | 26.80 | 36.90 | 36.25 | 60.03 | 39.27 | 40.77 | 38.58 | 29.71 | N/A |
| CAM285 | 529016 | 185533 | 40.43 | 44.27 | 26.17 | 40.23 | 24.60 | 29.43 | 20.47 | 33.20 | 34.97 | 54.63 | 47.20 | 38.43 | 36.17 | 27.85 | N/A |
| CAM286 | 529885 | 183280 | 51.50 | 46.50 | 50.70 | 53.37 | 50.17 | 51.67 | 46.20 | 43.63 | 68.90 | 64.93 | 57.10 | 44.85 | 52.46 | 40.39 | N/A |
| CAM287 | 529813 | 183349 | 39.20 | 45.40 | 30.40 | 32.17 | 26.30 | 22.63 | 20.27 | 21.40 | 33.30 | 35.47 | 31.03 | 28.20 | 30.48 | 23.47 | N/A |
| CAM288 | 529750 | 183288 | 35.33 | 39.90 | 27.53 | 28.43 | 24.23 | 22.20 | 17.30 | 20.40 | 28.63 | 33.07 | 32.87 | 25.33 | 27.94 | 21.51 | N/A |
| CAM289 | 529797 | 183187 | 34.57 | 32.93 | 31.17 | 30.45 | 27.87 | 26.60 | 17.13 | 21.23 | 32.40 | 35.10 | 34.40 | 26.73 | 29.22 | 22.50 | N/A |
| CAM290 | 529641 | 183282 | 33.87 | 30.33 | 26.90 | 24.60 | 19.63 | 19.83 | 15.60 | 18.43 | 25.03 | 30.10 | 31.35 | 23.67 | 24.95 | 19.21 | N/A |
| CAM291 | 529611 | 183444 | 34.60 | 31.90 | 28.27 | 25.37 | 24.77 | 23.07 | 15.70 | 18.67 | 27.43 | 31.67 | 34.57 | 24.13 | 26.68 | 20.54 | N/A |
| CAM292 | 529424 | 183445 | 43.00 | 45.93 | 36.03 | 30.80 | 23.70 | 26.17 | 22.33 | 24.33 | 34.63 | 39.20 | 39.60 | 27.57 | 32.78 | 25.24 | N/A |
| CAM293 | 529224 | 183362 | 44.57 | 47.00 | 39.07 | 38.83 | 37.75 | 33.07 | 26.93 | 32.10 | 43.10 | 41.53 | | | 38.40 | 29.56 | N/A |
| CAM294 | 529229 | 183231 | 41.20 | 47.00 | 36.83 | 34.63 | 36.10 | 28.40 | 24.30 | 29.47 | 39.40 | | 41.40 | 26.90 | 35.06 | 26.99 | N/A |
| CAM295 | 529321 | 183239 | 45.00 | 39.40 | 37.70 | 35.63 | 35.60 | 31.20 | 28.25 | 34.20 | 51.97 | 44.67 | 43.85 | 34.43 | 38.49 | 29.64 | N/A |
| CAM296 | 529527 | 183264 | 33.30 | 34.73 | 26.90 | 24.83 | 20.07 | 21.17 | 15.60 | 18.43 | | 30.30 | 32.17 | 23.30 | 25.53 | 19.66 | N/A |
| CAM297 | 529601 | 183148 | 32.07 | 36.30 | 27.85 | 23.20 | 21.83 | 20.53 | | 19.20 | 28.07 | 29.40 | | 23.55 | 26.20 | 20.17 | N/A |
| CAM298 | 529555 | 182900 | 34.40 | 41.67 | 31.50 | 29.43 | 26.60 | 24.27 | 18.63 | 24.10 | 32.03 | 35.37 | 39.40 | 24.33 | 30.14 | 23.21 | N/A |
| CAM299 | 529717 | 182992 | 34.27 | 41.05 | 30.67 | 27.87 | 25.87 | 23.60 | 17.97 | 21.70 | 29.73 | 35.57 | 37.10 | 26.75 | 29.34 | 22.60 | N/A |
| CAM300 | 529815 | 182830 | 37.20 | 40.60 | 32.07 | 28.83 | 26.30 | 21.50 | 16.70 | 21.43 | 30.47 | 33.80 | 35.30 | 25.95 | 29.18 | 22.47 | N/A |
| CAM301 | 529802 | 182703 | 42.47 | 45.33 | 39.50 | 34.93 | 27.93 | 27.07 | 27.20 | 27.63 | 37.57 | 39.87 | 37.30 | 36.57 | 35.28 | 27.17 | N/A |
| CAM302 | 529949 | 182798 | 43.07 | 42.25 | 38.07 | 33.90 | 28.30 | 28.37 | 22.40 | 22.77 | 32.00 | 37.90 | 41.35 | 36.23 | 33.88 | 26.09 | N/A |
| CAM303 | 529887 | 182813 | 40.70 | 37.33 | 34.27 | 28.97 | 24.97 | 21.03 | 19.70 | 21.87 | 29.33 | 31.33 | 35.57 | 27.80 | 29.41 | 22.64 | N/A |
| CAM304 | 529786 | 183038 | 38.93 | 42.83 | 35.97 | 34.77 | 35.00 | 30.03 | 20.17 | 25.00 | 34.43 | 37.83 | 42.43 | 29.97 | 33.95 | 26.14 | N/A |

| | | | | | | | | | | | | | | | | | |
|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-----|
| CAM305 | 529987 | 183060 | 48.20 | 47.30 | 40.87 | 48.03 | 47.30 | 37.20 | 30.00 | 37.87 | 43.30 | 48.87 | 50.23 | 40.00 | 43.26 | 33.31 | N/A |
| CAM306 | 530231 | 183453 | 45.77 | 46.05 | 37.53 | 34.53 | 26.50 | 29.00 | 30.50 | | 38.55 | 28.90 | 44.87 | 46.30 | 37.14 | 28.60 | N/A |
| CAM307 | 529874 | 184379 | 44.13 | 58.80 | 33.63 | 42.17 | 29.47 | 30.17 | 26.60 | 33.63 | 37.30 | 54.07 | 40.50 | 42.27 | 39.39 | 30.33 | N/A |
| CAM308 | 529515 | 184274 | 38.75 | 48.23 | 34.70 | 42.60 | 23.30 | 25.80 | | 32.73 | 35.50 | 51.40 | 38.57 | 32.83 | 36.77 | 28.31 | N/A |
| CAM309 | 528687 | 185016 | 38.97 | 39.37 | 28.33 | 27.80 | 24.13 | 24.37 | 21.90 | 31.20 | 32.97 | 52.07 | 40.77 | | 32.90 | 25.33 | N/A |
| CAM310 | 530149 | 181611 | 46.27 | 51.40 | 54.13 | 52.47 | 45.77 | 45.60 | 45.60 | 46.95 | | | 34.35 | 24.53 | 44.71 | 34.42 | N/A |
| CAM311 | 530250 | 181473 | 40.83 | 48.33 | 42.60 | 43.60 | 30.63 | 29.85 | 35.33 | 36.00 | 42.57 | | 37.40 | 19.63 | 36.98 | 28.47 | N/A |
| CAM312 | 530414 | 181645 | 50.30 | 62.13 | 57.67 | 64.47 | 54.65 | 56.93 | 39.97 | 49.47 | 56.03 | | 66.10 | 20.37 | 52.55 | 40.47 | N/A |
| CAM313 | 530429 | 181459 | 45.43 | 47.43 | 39.60 | 40.90 | 33.73 | 28.05 | 30.87 | 37.30 | 31.27 | | 64.77 | 19.57 | 38.08 | 29.32 | N/A |
| CAM314 | 530608 | 181291 | 43.40 | 65.35 | 58.27 | 60.97 | 44.20 | 45.97 | 50.57 | 57.13 | 46.63 | | 72.85 | 25.67 | 51.91 | 39.97 | N/A |
| CAM315 | 530755 | 181566 | 48.93 | 57.40 | 55.23 | 59.50 | 46.47 | 55.83 | 61.17 | 59.10 | 74.63 | | 76.20 | 35.03 | 57.23 | 44.07 | N/A |
| CAM316 | 530573 | 181653 | 43.23 | 49.00 | 45.07 | 48.93 | 37.03 | 37.40 | 43.77 | 44.93 | 52.53 | | 69.20 | 26.87 | 45.27 | 34.86 | N/A |
| CAM317 | 530743 | 181719 | 37.50 | 44.90 | 39.57 | 34.33 | 26.40 | | 30.63 | 30.33 | 36.27 | | 42.33 | 19.33 | 34.16 | 26.30 | N/A |
| CAM318 | 530845 | 181904 | 54.97 | 61.65 | 56.77 | 57.55 | 41.65 | 43.17 | 43.17 | 52.43 | 60.37 | | 74.67 | 28.83 | 52.29 | 40.27 | N/A |
| CAM319 | 530529 | 182013 | 42.30 | 66.50 | 27.93 | 36.95 | 30.35 | | 32.00 | 30.60 | 40.50 | 57.60 | 44.30 | | 40.90 | 31.50 | N/A |
| CAM320 | 531321 | 182050 | 50.40 | 48.60 | 46.13 | 56.20 | 34.57 | 31.03 | 34.20 | 38.70 | 45.53 | | 64.27 | 21.93 | 42.87 | 33.01 | N/A |
| CAM321 | 531223 | 182034 | 51.30 | 54.30 | 46.60 | 53.90 | 32.10 | 32.10 | 37.60 | | 49.73 | | 70.50 | 24.60 | 45.27 | 34.86 | N/A |
| CAM322 | 531160 | 182039 | 46.13 | 56.40 | 45.17 | 44.65 | 27.40 | 27.07 | 32.50 | 37.00 | 45.93 | | 61.20 | 22.27 | 40.52 | 31.20 | N/A |
| CAM323 | 531012 | 181982 | 58.70 | 64.87 | 54.83 | 61.77 | 58.37 | 28.37 | 47.70 | 55.83 | 61.50 | | 71.90 | 24.23 | 53.46 | 41.16 | N/A |
| CAM324 | 531092 | 182097 | 53.00 | 61.65 | 51.80 | 52.07 | 37.93 | 39.77 | 50.17 | 52.37 | 61.60 | | 72.55 | 27.47 | 50.94 | 39.23 | N/A |
| CAM325 | 531123 | 182188 | 47.13 | 50.55 | 44.43 | 45.67 | 35.13 | 33.73 | 34.67 | 37.97 | 49.23 | | 59.33 | 18.63 | 41.50 | 31.95 | N/A |
| CAM326 | 529042 | 183678 | | 60.50 | 46.83 | 65.25 | 38.90 | 43.50 | 43.37 | 55.50 | 49.33 | 87.47 | 56.90 | 59.13 | 55.15 | 42.47 | N/A |
| CAM327 | 529011 | 184402 | | 52.83 | 21.67 | 37.97 | 23.67 | 16.73 | 25.97 | 32.33 | 32.73 | 48.53 | 40.40 | 35.13 | 33.45 | 25.76 | N/A |
| CAM328 | 528379 | 183669 | | 55.00 | | 45.90 | 43.75 | | 24.00 | 40.05 | 50.10 | 62.80 | 42.20 | | 45.48 | 35.05 | N/A |
| CAM329 | 529231 | 183805 | | 45.80 | 31.23 | 38.70 | 24.27 | 24.03 | | 30.20 | 29.90 | 54.90 | 37.60 | 38.40 | 35.50 | 27.34 | N/A |

All erroneous data has been removed from the NO₂ diffusion tube dataset presented in Error! Reference source not found..

Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22.

Local bias adjustment factor used.

National bias adjustment factor used.

Where applicable, data has been distance corrected for relevant exposure in the final column.

Camden confirm that all 2023 diffusion tube data has been uploaded to the Diffusion Tube Data Entry System.

Notes:

Exceedances of the NO₂ annual mean objective of 40µg/m³ are shown in **bold**.

NO₂ annual means exceeding 60µg/m³, indicating a potential exceedance of the NO₂ 1-hour mean objective are shown in **bold and underlined**.

See Appendix A for details on bias adjustment and annualisation.

Appendix C Maps of Monitoring Locations and AQMAs

More information on Camden's air quality monitoring network can be viewed on the Council's [Open data website](#).

Figure 6. Map of Non-Automatic Monitoring Sites

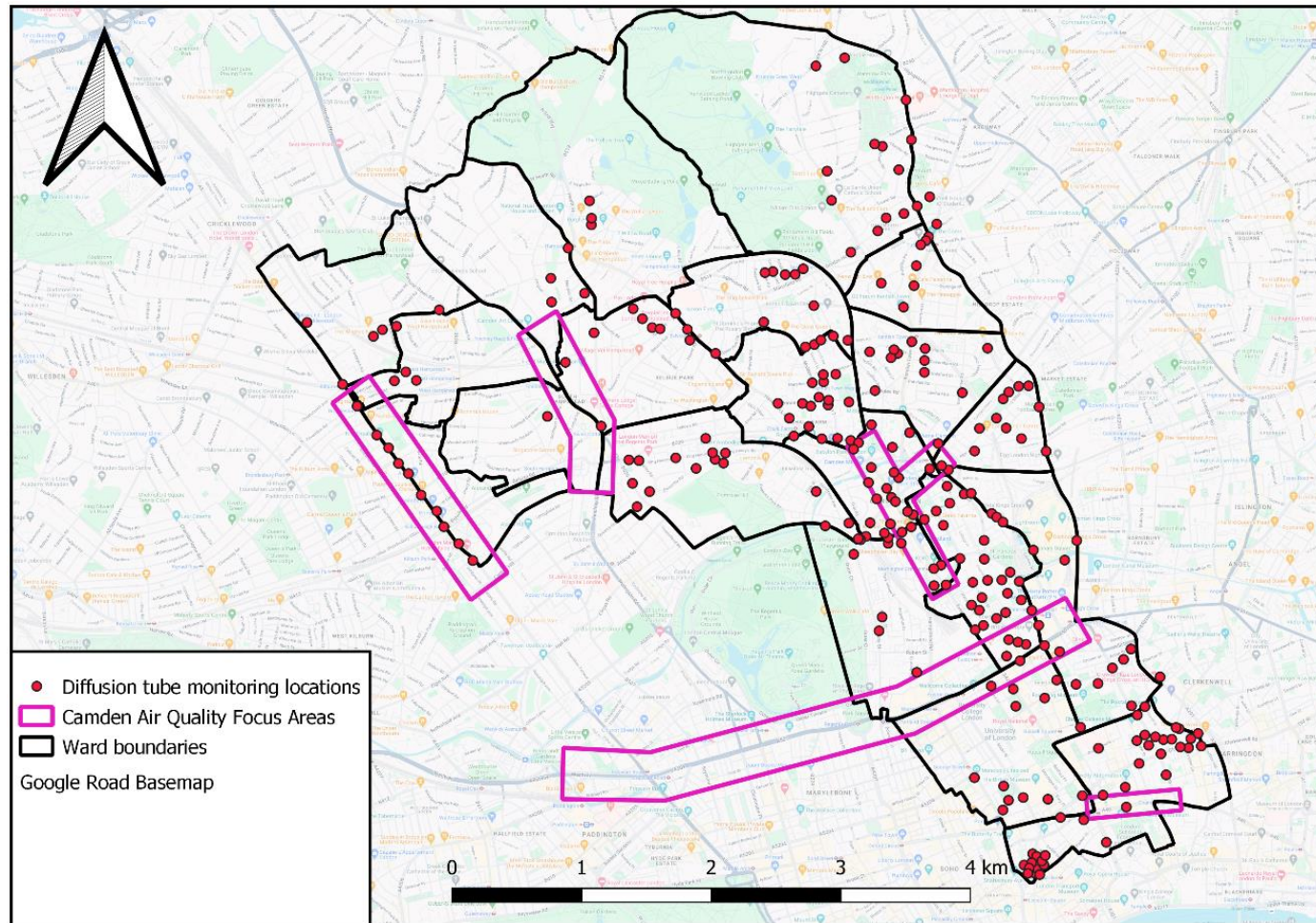


Figure 7. Map of Automatic Monitoring Sites

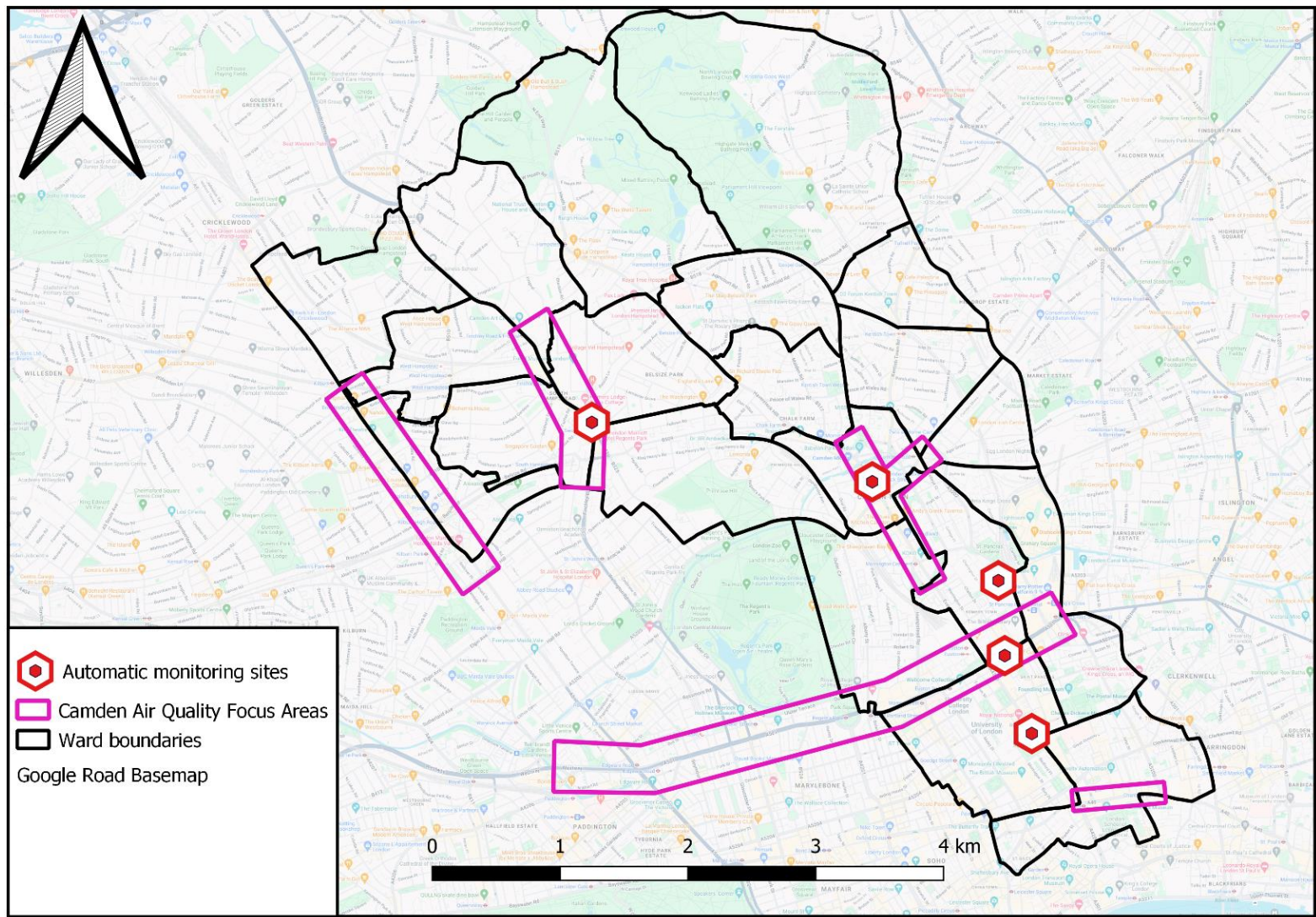


Figure 8. Map of the Camden AQMA

