Appendix 2: Full 2023 annual diffusion tube NO2 data

The following tables outline the 2023 annual average nitrogen dioxide (NO2) concentrations in micrograms per cubic metre (μg/m3) for sites within the Clean Air Zone (CAZ\_Only), the boundary area surrounding (including the urban areas of Batheaston and Bathampton; CAZ\_Boundary) and those sites within the wider B&NES district (Wider\_B&NES)

Table 1- showing sites within the CAZ\_Only (sites within the CAZ boundary) site grouping which were recording data in 2023. 71 sites in total were used for analysis. TA= triplicate average (where three diffusion tubes are located at one site and an average of all three taken).

| **Site ID** | **2019 NO2 concentration****(μg/m3)** | **2023 NO2 concentration****(μg/m3)** | **Change****(μg/m3)** |
| --- | --- | --- | --- |
| DT003 - Broad St | 37.5 | 25.7 | -11.8 |
| DT004 - George St  | 29.7 | 19.8 | -9.9 |
| DT005 - Gay St - Top | 30.6 | 18.0 | -12.5 |
| DT009 - Upper Bristol Rd  | 30.5 | 21.2 | -9.3 |
| DT014 - Bathwick St | 33.0 | 19.8 | -13.3 |
| DT015 - Beckford Rd | 27.5 | 17.8 | -9.7 |
| DT016 - Warminster Rd | 31.0 | 18.3 | -12.7 |
| DT017 - Widcombe School (TA) | 29.4 | 18.4 | -11.0 |
| DT018 - Widcombe High St | 23.1 | 14.8 | -8.3 |
| DT020 - Wells Rd (TA) | 45.4 | 34.9 | -10.5 |
| DT021 - Wells Rd /Upper Oldfield Park | 37.2 | 22.3 | -15.0 |
| DT037 - Charlotte St (TA) | 30.8 | 19.3 | -11.5 |
| DT039 - Manvers St  | 32.6 | 21.8 | -10.8 |
| DT042 - Dorchester St | 48.0 | 32.7 | -15.4 |
| DT043 - St. James Parade | 38.7 | 29.6 | -9.2 |
| DT045 - James St West | 28.3 | 19.9 | -8.4 |
| DT060 - Victoria Buildings | 44.1 | 29.9 | -14.2 |
| DT087 - Oak Street | 29.2 | 18.8 | -10.4 |
| DT090 - Anglo Terrace (TA) | 49.6 | 29.9 | -19.7 |
| DT145 - Lansdown Road | 26.3 | 17.8 | -8.4 |
| DT147 - Terrace Walk | 29.3 | 17.9 | -11.5 |
| DT148 - Julian Rd (TA) | 26.1 | 17.4 | -8.7 |
| DT149 - Camden 3 | 25.1 | 15.4 | -9.7 |
| DT153 - North Road | 16.6 | 12.1 | -4.6 |
| DT156 - Corn Street | 27.6 | 18.2 | -9.3 |
| DT157 - Charles Street | 27.3 | 18.9 | -8.5 |
| DT158 - Paragon 2 | 31.8 | 19.6 | -12.2 |
| DT159 - Walcot Street | 25.7 | 16.8 | -8.9 |
| DT160 - North Parade Road | 34.2 | 22.8 | -11.4 |
| DT172 - London Road 2 (TA) | 47.9 | 27.6 | -20.3 |
| DT173 - Upper Bristol Road 2 | 33.2 | 23.6 | -9.5 |
| DT180 - Wells Road 2 (TA) | 34.8 | 24.6 | -10.2 |
| DT182 - Gay Street - Lower (TA) | 42.4 | 27.1 | -15.3 |
| DT183 - Chapel Row | 29.7 | 20.6 | -9.0 |
| DT198 - Walcot Parade (TA) | 50.2 | 34.1 | -16.1 |
| DT207 - Darlington Street | 38.0 | 25.2 | -12.8 |
| DT211 - St John's Road | 21.1 | 12.7 | -8.4 |
| DT212 - Oldfield Road | 19.5 | 11.4 | -8.0 |
| DT213 - Marlborough Lane (TA) | 20.7 | 14.2 | -6.4 |
| DT214 - Marlborough Buildings (TA) | 19.6 | 13.2 | -6.4 |
| DT215 - Queen Parade Place (TA) | 17.6 | 13.0 | -4.7 |
| DT216 - Monmouth Place (TA) | 26.0 | 19.6 | -6.4 |
| DT217 - Cavendish Road (TA) | 16.8 | 11.3 | -5.5 |
| DT219 - Morford Street | 21.3 | 15.7 | -5.6 |
| DT221 - Gay Street - façade | 35.9 | 23.1 | -12.8 |
| DT222 - Anglo Terrace façade (TA) | 49.0 | 33.5 | -15.5 |
| DT223 - Canton Place (TA) | 37.5 | 24.2 | -13.3 |
| DT224 - Walcot Parade 2 (TA) | 55.2 | 37.7 | -17.6 |
| DT225 - Cleveland Terrace (TA) | 37.5 | 27.6 | -9.9 |
| DT227 - Wells Road 3 (TA) | 40.4 | 27.8 | -12.6 |
| DT232 - Lansdown Road 3 (TA) | 29.4 | 20.9 | -8.5 |
| DT233 - Lansdown Road 4 (TA) | 28.2 | 20.3 | -7.9 |
| DT234 - Gay Street 2 (TA) | 39.8 | 28.2 | -11.6 |
| DT235 - Wells Road 4 (TA) | 36.9 | 30.4 | -6.5 |
| DT236 - Pulteney Terrace (TA) | 29.8 | 18.6 | -11.2 |
| DT237 - Broad Street 2 | 35.2 | 28.0 | -7.2 |
| DT238 - Broad Street 3 (TA) | 33.8 | 26.5 | -7.3 |
| DT239 - Broad Street 4 (TA) | 36.7 | 28.9 | -7.8 |
| DT240 - Bathwick Street 2 (TA) | 30.4 | 16.8 | -13.5 |
| DT241 - Bathwick Street 3 (TA) | 24.0 | 13.6 | -10.4 |
| DT242 - Charlotte Street 2 (TA) | 24.0 | 15.5 | -8.5 |
| DT243 - Sydney Place (TA) | 30.3 | 19.7 | -10.6 |
| DT246 - Dorchester Street 2 (TA) | 38.6 | 30.0 | -8.7 |
| DT247 - Monmouth Place 2 (TA) | 29.9 | 21.5 | -8.4 |
| DT248 - Chapel Row 2 (TA) | 38.3 | 28.4 | -9.9 |
| DT288 - Victoria Building’s façade | N/A | 26.5 | N/A |
| DT294 - Walcot Parade 3 | N/A | 25.3 | N/A |
| DT304 - Walcot Parade 4 | N/A | 36.4 | N/A |
| DT305 - Wells Road 5 | N/A | 33.1 | N/A |
| DT312 - Sydney Place 2 | N/A | 16.2 | N/A |
| DT314 - Catherine Place | N/A | 11.1 | N/A |

Table 2- showing sites within the CAZ\_Boundary (sites outside the CAZ boundary but within the urban area of Bath including Batheaston and Bathampton) site grouping which were recording data in 2023. 65 sites in total were for analysis. TA= triplicate average (where three diffusion tubes are located at one site and an average of all three taken).

| **Site ID** | **2019 NO2 concentration****(μg/m3)** | **2023 NO2 concentration****(μg/m3)** | **Change****(μg/m3)** |
| --- | --- | --- | --- |
| DT008 - Windsor Bridge | 28.1 | 19.0 | -9.1 |
| DT023- Alexandra Park | 11.1 | 7.0 | -4.1 |
| DT026 - Upper Wellsway  | 27.0 | 18.4 | -8.6 |
| DT034 - Newbridge Rd | 31.2 | 19.6 | -11.6 |
| DT052 - Walcott Terrace (TA) | 36.1 | 23.1 | -13.0 |
| DT055 - Lambridge | 36.2 | 25.4 | -10.8 |
| DT058 - Batheaston - London Rd West A | 25.0 | 16.2 | -8.9 |
| DT062 - Argyle Terrace | 37.2 | 26.6 | -10.7 |
| DT084 - Bearflat | 30.4 | 20.6 | -9.9 |
| DT085 - RUH North | 26.4 | 19.4 | -7.0 |
| DT091 - Bathampton High Street | 23.1 | 15.9 | -7.2 |
| DT094 - Batheaston - London Rd West B | 25.5 | 17.3 | -8.2 |
| DT130 - Batheaston - London Road West C | 26.1 | 17.0 | -9.0 |
| DT142 - Prior Park Road | 32.8 | 21.7 | -11.1 |
| DT143 - Rackfield Place | 26.2 | 19.2 | -7.0 |
| DT150 - Brougham Hayes | 29.5 | 20.0 | -9.5 |
| DT151 - Widcombe Hill | 26.7 | 15.7 | -11.0 |
| DT152 - Bathwick Hill | 25.2 | 15.9 | -9.3 |
| DT154 - Bradford Road | 27.9 | 18.4 | -9.5 |
| DT155 - Newbridge Hill 2 | 18.4 | 10.5 | -7.8 |
| DT163 - A4 Box Road, Batheaston | 22.7 | 13.8 | -8.9 |
| DT165 - Brassknocker Hill | 36.7 | 22.0 | -14.7 |
| DT166 - A36 Bathampton | 27.7 | 16.1 | -11.6 |
| DT167 - Weston High St | 22.3 | 15.9 | -6.4 |
| DT168 - Englishcombe Lane | 13.5 | 9.2 | -4.3 |
| DT169 - Eastbourne Ave | 22.8 | 14.9 | -7.9 |
| DT171 - Frome Road/Upper Bloomfield | 26.8 | 17.9 | -8.9 |
| DT179 - Upper Bristol Road 3 (TA) | 36.7 | 22.1 | -14.6 |
| DT181 - Wellsway | 33.2 | 22.1 | -11.1 |
| DT185 - Greenway Lane | 16.3 | 9.7 | -6.6 |
| DT186 - Coronation Ave | 20.2 | 13.2 | -7.0 |
| DT187 - Stanley Road West | 23.4 | 15.5 | -7.9 |
| DT188 - Moorland Road | 22.3 | 15.1 | -7.2 |
| DT189 - Old Newbridge Hill | 29.3 | 19.9 | -9.3 |
| DT190 - Church Street | 13.5 | 8.1 | -5.4 |
| DT191 - Batheaston - Mill Lane | 19.0 | 13.0 | -6.0 |
| DT192 - Fairfield Road | 16.1 | 10.6 | -5.4 |
| DT193 - Granville Road | 9.5 | 5.7 | -3.8 |
| DT194 - Brooklyn Road | 16.2 | 10.5 | -5.7 |
| DT195 - Lansdown Lane | 20.7 | 17.3 | -3.4 |
| DT196 - Oakley | 28.2 | 15.1 | -13.1 |
| DT197 - Rush Hill | 24.5 | 16.3 | -8.2 |
| DT199 - Hensley Road | 12.9 | 8.3 | -4.7 |
| DT200 - Millmead Road | 15.5 | 10.8 | -4.6 |
| DT201 - The Hollow | 23.7 | 16.2 | -7.5 |
| DT202 - Charlcombe  | 14.2 | 9.0 | -5.3 |
| DT206 - Park Lane (TA) | 31.1 | 21.3 | -9.8 |
| DT209 - Bellots Road | 18.8 | 13.6 | -5.3 |
| DT210 - Red Lion Roundabout | 32.6 | 23.6 | -9.0 |
| DT218 - Weston Road | 19.0 | 13.7 | -5.2 |
| DT226 - AURN\* (TA) | 31.5 | 23.6 | -7.9 |
| DT228 - Lower Bristol Road 2 (TA) | 28.8 | 20.1 | -8.7 |
| DT229 - Lower Bristol Road 3 (TA) | 35.9 | 23.5 | -12.4 |
| DT230 - Upper Bristol Road 4 (TA) | 49.8 | 29.3 | -20.6 |
| DT231 - Upper Bristol Road 5 (TA) | 41.2 | 26.5 | -14.8 |
| DT244 - Whiteway  | 18.4 | 13.4 | -5.0 |
| DT245 - Whiteway 2 | 25.0 | 16.1 | -8.9 |
| DT298 - Tennyson Road | N/A | 9.3 | N/A |
| DT299 - Upper Bristol Road 6 | N/A | 22.1 | N/A |
| DT300 - Penn Hill Road | N/A | 12.0 | N/A |
| DT301 - Southlands | N/A | 7.7 | N/A |
| DT302 - Anchor Road | N/A | 19.2 | N/A |
| DT303 - Prior Park Road 2 | N/A | 11.9 | N/A |
| DT313 - Sham Castle Lane | N/A | 9.3 | N/A |
| DT315 - Sion Hill | N/A | 7.4 | N/A |

\*Automatic Urban and Rural Network – these diffusion tubes are located at the Council’s Urban and Rural Network monitoring site located on A4 London Road.

Table 3- showing sites within the Wider\_B&NES (sites outside of Bath, Batheaston and Bathampton urban areas, but within the rural areas and district wider urban areas of B&NES) site grouping which were recording data in 2023. 29 sites in total were used for analysis. TA= triplicate average (where three diffusion tubes are located at one site and an average of all three taken).

| **Site ID** | **2019 NO2 concentration****(μg/m3)** | **2023 NO2 concentration****(μg/m3)** | **Change****(μg/m3)** |
| --- | --- | --- | --- |
| DT032 - Whitchurch | 33.4 | 24.4 | -9.0 |
| DT033 - Keynsham (Kelston Road) | 12.0 | 7.9 | -4.1 |
| DT065 - Keynsham - Charlton Rd A | 26.6 | 17.5 | -9.1 |
| DT066 - Keynsham - High St A | 31.8 | 22.4 | -9.3 |
| DT067 - Keynsham - Somerfield | 30.6 | 20.0 | -10.6 |
| DT075 - Saltford - The Crown | 30.4 | 20.0 | -10.4 |
| DT077 - Saltford - Bath Rd | 26.5 | 17.1 | -9.4 |
| DT096 - Temple Cloud 1 (TA) | 56.4 | 39.0 | -17.4 |
| DT098 - Whitchurch 2 | 30.1 | 19.6 | -10.5 |
| DT100 - Whitchurch 4 | 24.9 | 16.6 | -8.3 |
| DT101 - Whitchurch 5 | 36.0 | 26.5 | -9.5 |
| DT107 - Keynsham - Bath Hill (South) | 32.7 | 22.4 | -10.2 |
| DT108 - Temple Cloud 2 (TA) | 39.0 | 27.1 | -11.9 |
| DT109 - Temple Cloud 3 (TA) | 36.1 | 24.7 | -11.4 |
| DT134 - Farrington Gurney 2 | 38.8 | 25.1 | -13.7 |
| DT136 - Farrington Gurney 3 | 37.3 | 24.0 | -13.3 |
| DT138 - Farrington Gurney 5 | 35.6 | 23.2 | -12.4 |
| DT141 - Keynsham A4 | 30.9 | 20.7 | -10.2 |
| DT252 - Temple Cloud 9  | N/A | 30.1 | N/A |
| DT253 - Temple Cloud 10 (TA) | N/A | 34.0 | N/A |
| DT255 - Temple Cloud 12 | N/A | 34.6 | N/A |
| DT295 - Radstock - Bath New Road | N/A | 36.7 | N/A |
| DT296 - Old Mills - Pillsbridge Cottages | N/A | 18.7 | N/A |
| DT306 - Radstock - Bath New Road 2 | N/A | 22.2 | N/A |
| DT307 - Radstock - Bath New Road 3 | N/A | 31.2 | N/A |
| DT308 - Marksbury | N/A | 17.6 | N/A |
| DT309 - MSN - Station Road | N/A | 22.4 | N/A |
| DT310 - Keynsham - Vandyck Ave | N/A | 12.2 | N/A |
| DT311 - Westfield - Welton Road | N/A | 12.5 | N/A |