

Bath's Clean Air Zone

Appendix 3



Bath & North East
Somerset Council

Improving People's Lives

Appendix 3: Full 2021 annual diffusion tube NO₂ data

The following tables outline the 2021 annual average nitrogen dioxide (NO₂) concentrations in micrograms per cubic metre (µg/m³) for sites within the Bath 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 2021. 66 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 NO ₂ concentration (µg/m ³)	2021 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
DT003 - Broad St	37.5	28.8	-8.7
DT004 - George St	29.7	22.2	-7.4
DT005 - Gay St - Top	30.6	23.0	-7.6
DT009 - Upper Bristol Rd	30.5	24.3	-6.2
DT014 - Bathwick St	33.0	19.7	-13.4
DT015 - Beckford Rd	27.5	19.7	-7.8
DT016 - Warminster Rd	31.0	21.8	-9.1
DT017 - Widcombe School (TA)	29.4	20.3	-9.1
DT018 - Widcombe High St	23.1	17.4	-5.8
DT020 - Wells Rd (TA)	45.4	42.6	-2.8
DT021 - Wells Rd /Upper Oldfield Park	37.2	27.6	-9.6
DT037 - Charlotte St (TA)	30.8	24.3	-6.5
DT039 - Manvers St	32.6	25.0	-7.6
DT042 - Dorchester St	48.0	40.5	-7.6
DT043 - St. James Parade	38.7	34.5	-4.3
DT045 - James St West	28.3	24.0	-4.3
DT060 - Victoria Buildings	44.1	40.0	-4.1
DT087 - Oak Street	29.2	21.5	-7.7
DT090 - Anglo Terrace (TA)	49.6	33.2	-16.4
DT145 - Lansdown Road	26.3	20.1	-6.2
DT147 - Terrace Walk	29.3	19.8	-9.6
DT148 - Julian Rd (TA)	26.1	19.6	-6.5
DT149 - Camden 3	25.1	19.0	-6.1
DT153 - North Road	16.6	12.9	-3.7
DT156 - Corn Street	27.6	21.8	-5.8
DT157 - Charles Street	27.3	22.4	-4.9
DT158 - Paragon 2	31.8	24.5	-7.3
DT159 - Walcot Street	25.7	19.1	-6.6

DT160 - North Parade Road	34.2	23.1	-11.2
DT172 - London Road 2 (TA)	47.9	31.1	-16.8
DT173 - Upper Bristol Road 2	33.2	25.7	-7.5
DT180 - Wells Road 2 (TA)	34.8	30.3	-4.5
DT182 - Gay Street - Lower (TA)	42.4	32.9	-9.5
DT183 - Chapel Row	29.7	25.7	-4.0
DT198 - Walcot Parade (TA)	50.2	37.8	-12.4
DT207 - Darlington Street	38.0	26.7	-11.3
DT211 - St John's Road	21.1	14.0	-7.1
DT212 - Oldfield Road	19.5	14.2	-5.3
DT213 - Marlborough Lane (TA)	20.7	18.2	-2.4
DT214 - Marlborough Buildings (TA)	19.6	16.1	-3.4
DT215 - Queen Parade Place (TA)	17.6	15.3	-2.3
DT216 - Monmouth Place (TA)	26.0	24.4	-1.6
DT217 - Cavendish Road (TA)	16.8	13.6	-3.2
DT219 - Morford Street	21.3	17.7	-3.6
DT221 - Gay Street - façade	35.9	27.7	-8.3
DT222 - Anglo Terrace façade (TA)	49.0	38.1	-10.8
DT223 - Canton Place (TA)	37.5	25.6	-11.9
DT224 - Walcot Parade 2 (TA)	55.2	43.1	-12.1
DT225 - Cleveland Terrace (TA)	37.5	32.2	-5.3
DT227 - Wells Road 3 (TA)	40.4	32.4	-7.9
DT232 - Lansdown Road 3 (TA)	29.4	23.2	-6.2
DT233 - Lansdown Road 4 (TA)	28.2	22.9	-5.2
DT234 - Gay Street 2 (TA)	39.8	36.0	-3.8
DT235 - Wells Road 4 (TA)	36.9	35.1	-1.9
DT236 - Pulteney Terrace (TA)	29.8	21.0	-8.8
DT237 - Broad Street 2	35.2	30.8	-4.3
DT238 - Broad Street 3 (TA)	33.8	28.6	-5.2
DT239 - Broad Street 4 (TA)	36.7	31.8	-4.8
DT240 - Bathwick Street 2 TA)	30.4	18.1	-12.3
DT241 - Bathwick Street 3 (TA)	24.0	15.0	-9.0
DT242 - Charlotte Street 2 (TA)	24.0	18.8	-5.2
DT243 - Sydney Place (TA)	30.3	20.9	-9.4
DT246 - Dorchester Street 2 (TA)	38.6	31.1	-7.6
DT247 - Monmouth Place 2 (TA)	29.9	26.1	-3.8
DT248 - Chapel Row 2 (TA)	38.3	36.6	-1.7
DT288 - Victoria Buildings Façade	N/A	29.1	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 2021. 57 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 NO ₂ concentration (µg/m ³)	2021 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
DT008 - Windsor Bridge	28.1	22.5	-5.6
DT026 - Upper Wellsway	27.0	22.5	-4.5
DT034 - Newbridge Rd	31.2	21.6	-9.6
DT052 - Walcott Terrace (TA)	36.1	25.3	-10.9
DT055 - Lambridge	36.2	27.9	-8.3
DT058 - Batheaston - London Rd West A	25.0	20.9	-4.1
DT062 - Argyle Terrace	37.2	33.5	-3.8
DT084 - Bearflat	30.4	23.5	-7.0
DT085 - RUH North	26.4	22.2	-4.2
DT091 - Bathampton High Street	23.1	18.4	-4.7
DT094 - Batheaston - London Rd West B	25.5	20.0	-5.5
DT130 - Batheaston - London Road West C	26.1	19.7	-6.4
DT142 - Prior Park Road	32.8	23.3	-9.5
DT143 - Rackfield Place	26.2	21.4	-4.7
DT150 - Brougham Hayes	29.5	22.2	-7.2
DT151 - Widcombe Hill	26.7	19.2	-7.5
DT152 - Bathwick Hill	25.2	18.3	-6.8
DT154 - Bradford Road	27.9	21.0	-6.9
DT155 - Newbridge Hill 2	18.4	12.4	-5.9
DT163 - A4 Box Road, Batheaston	22.7	13.9	-8.9
DT165 - Brassknocker Hill	36.7	26.1	-10.6
DT166 - A36 Bathampton	27.7	18.8	-8.9
DT167 - Weston High St	22.3	18.4	-3.9
DT168 - Englishcombe Lane	13.5	10.9	-2.6
DT169 - Eastbourne Ave	22.8	17.5	-5.3
DT171 - Frome Road/Upper Bloomfield	26.8	23.2	-3.6
DT179 - Upper Bristol Road 3 (TA)	36.7	26.9	-9.7
DT181 - Wellsway	33.2	26.1	-7.1
DT185 - Greenway Lane	16.3	10.9	-5.5
DT186 - Coronation Ave	20.2	15.4	-4.9
DT187 - Stanley Road West	23.4	18.1	-5.3
DT188 - Moorland Road	22.3	16.7	-5.6
DT189 - Old Newbridge Hill	29.3	25.2	-4.1
DT190 - Church Street	13.5	10.6	-2.9
DT191 - Batheaston - Mill Lane	19.0	15.3	-3.7
DT192 - Fairfield Road	16.1	12.3	-3.7
DT193 - Granville Road	9.5	7.2	-2.3
DT194 - Brooklyn Road	16.2	12.4	-3.8

DT195 - Lansdown Lane	20.7	18.2	-2.6
DT196 - Oakley	28.2	17.6	-10.6
DT197 - Rush Hill	24.5	19.5	-5.0
DT199 - Hensley Road	12.9	9.7	-3.2
DT200 - Millmead Road	15.5	13.0	-2.5
DT201 - The Hollow	23.7	20.5	-3.2
DT202 - Charlcombe	14.2	10.3	-3.9
DT206 - Park Lane (TA)	31.1	24.1	-7.1
DT209 - Bellots Road	18.8	15.1	-3.7
DT210 - Red Lion Roundabout	32.6	28.2	-4.4
DT218 - Weston Road	19.0	15.1	-3.9
DT226 – AURN* (TA)	31.5	26.9	-4.6
DT228 - Lower Bristol Road 2 (TA)	28.8	24.7	-4.1
DT229 - Lower Bristol Road 3 (TA)	35.9	30.1	-5.8
DT230 - Upper Bristol Road 4 (TA)	35.4	35.5	0.1
DT231 - Upper Bristol Road 5 (TA)	41.2	32.1	-9.1
DT244 - Whiteway	18.4	16.9	-1.5
DT245 - Whiteway 2	25.0	19.5	-5.5
DT276 - Twerton High Street	N/A	30.8	N/A

*Automatic Urban and Rural Network- These diffusion tubes are located at our Automatic 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 with the rural areas and district wide urban areas of B&NES) site grouping which were recording data in 2021. Some sites which were recording in 2021 do not have a 2019 baseline as they were installed at a later period. 40 sites in total were used for analysis. TA= triplicate average (where three diffusion tubes are located at one site and an average all of three taken).

Site ID	2019 NO ₂ concentration (µg/m ³)	2021 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
DT032 - Whitchurch	33.4	28.1	-5.4
DT033 - Keynsham (Kelston Road)	12.0	9.6	-2.4
DT063 - Keynsham - Station Rd	25.0	20.7	-4.3
DT064 - Keynsham - Charlton Rd B	27.6	23.1	-4.4
DT065 - Keynsham - Charlton Rd A	26.6	22.5	-4.1
DT066 - Keynsham - High St A	31.8	27.5	-4.3
DT067 - Keynsham - Somerfield	30.6	24.6	-5.9
DT068 - Keynsham - Temple St	19.3	16.0	-3.3
DT069 - Keynsham - Rock Road	22.4	20.1	-2.3
DT070 - Keynsham - Bath Hill	22.8	17.6	-5.2
DT075 - Salford - The Crown	30.4	23.0	-7.4
DT077 - Salford - Bath Rd	26.5	19.3	-7.1
DT096 - Temple Cloud 1 (TA)	56.4	44.2	-12.2
DT098 - Whitchurch 2	30.1	23.7	-6.4
DT100 - Whitchurch 4	24.9	21.3	-3.6
DT101 - Whitchurch 5	36.0	30.4	-5.6
DT107 - Keynsham - Bath Hill (South)	32.7	28.4	-4.2
DT108 - Temple Cloud 2 (TA)	39.0	30.3	-8.7
DT109 - Temple Cloud 3 (TA)	36.1	29.4	-6.7
DT112 - Keynsham - Ashton Way	20.9	19.3	-1.6
DT113 - Keynsham - West View Rd	15.2	12.8	-2.4
DT114 - Keynsham - Victoria Church	23.4	19.3	-4.0
DT115 - Keynsham - High Street B	20.7	13.7	-7.0
DT116 - Keynsham - Fish Bar	22.1	16.5	-5.6
DT134 - Farrington Gurney 2	38.8	32.1	-6.7
DT136 - Farrington Gurney 3	37.3	29.2	-8.0
DT138 - Farrington Gurney 5	35.6	28.4	-7.3
DT141 - Keynsham A4	30.9	25.2	-5.7
DT174 - Pensford 3	34.8	32.0	-2.7
DT252 - Temple Cloud 9 (TA)	N/A	34.0	N/A
DT253 - Temple Cloud 10 (TA)	N/A	39.4	N/A
DT254 - Temple Cloud 11 (TA)	N/A	34.3	N/A
DT255 - Temple Cloud 12 (TA)	N/A	37.5	N/A
DT257 - Farrington Gurney - Sunnyside	N/A	18.9	N/A
DT258 - Radstock - Frome Road	N/A	23.3	N/A
DT266 - Keynsham - Avon Mill Lane	N/A	17.9	N/A
DT268 - Westfield 4	N/A	24.5	N/A
DT269 - Westfield 5	N/A	14.2	N/A
DT270 - Westfield 6	N/A	21.4	N/A
DT271 - Westfield 7	N/A	25.3	N/A