

Appendix 3: Full quarterly diffusion tube NO₂ data

The following tables outline the provisional average quarterly 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 2022 Q3. Many sites recording in 2022 Q3 do not have a 2019 Q3 baseline as they were installed at a later date. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2022 Q3 have been used for analysis as they have full data sets in both quarters (34 sites in total). TA = triplicate average (where three diffusion tubes are located at one site and an average of all three taken).

Site ID	2019 Q3 NO ₂ concentration (µg/m ³)	2022 Q3 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
DT003 - Broad St	34.2	31.1	-3.1
DT004 - George St	26.1	27.3	1.2
DT005 - Gay St - Top	24.6	24.1	-0.5
DT009 - Upper Bristol Rd	24.3	24.9	0.6
DT014 - Bathwick St	33.4	20.0	-13.4
DT015 - Beckford Rd	26.1	19.6	-6.4
DT016 - Warminster Rd	31.4	21.9	-9.6
DT017 - Widcombe School (TA)	26.4	20.0	-6.4
DT018 - Widcombe High St	21.4	16.9	-4.5
DT020 - Wells Rd	46.9	45.3	-1.6
DT021 - Wells Rd /Upper Oldfield Park	36.4	32.7	-3.7
DT037 - Charlotte St (TA)	26.4	25.5	-1.0

DT039 - Manvers St	29.8	24.5	-5.3
DT042 - Dorchester St	47.0	43.0	-3.9
DT043 - St. James Parade	39.9	33.8	-6.2
DT045 - James St West	25.6	20.5	-5.1
DT060 - Victoria Buildings	41.0	37.8	-3.2
DT087 - Oak Street	27.5	22.2	-5.2
DT090 - Anglo Terrace (TA)	47.2	40.1	-7.1
DT145 - Lansdown Road	24.2	20.0	-4.2
DT147 - Terrace Walk	28.0	19.2	-8.8
DT148 - Julian Rd (TA)	24.3	21.6	-2.7
DT149 - Camden 3	21.5	17.4	-4.1
DT153 - North Road	15.6	13.4	-2.2
DT156 - Corn Street	24.6	19.8	-4.8
DT157 - Charles Street	23.4	23.6	0.3
DT158 - Paragon 2	25.5	24.3	-1.2
DT159 - Walcot Street	22.2	18.2	-4.0
DT160 - North Parade Road	32.2	23.6	-8.5
DT172 - London Road 2 (TA)	42.8	33.4	-9.4
DT173 - Upper Bristol Road 2	32.8	24.0	-8.8
DT180 - Wells Road 2 (TA)	36.9	33.0	-3.9
DT182 - Gay Street - Lower (TA)	43.2	41.8	-1.4
DT183 - Chapel Row	26.7	28.5	1.8
DT198 - Walcot Parade (TA)	46.6	42.5	-4.1
DT207 - Darlington Street	40.9	27.6	-13.3
DT211 - St John's Road	17.8	12.3	-5.5
DT212 - Oldfield Road	15.0	14.1	-0.8
DT213 - Marlborough Lane (TA)	19.0	18.4	-0.6
DT214 - Marlborough Buildings (TA)	16.3	13.9	-2.4

DT215 - Queen Parade Place (TA)	15.3	15.2	-0.1
DT216 - Monmouth Place (TA)	24.4	25.1	0.7
DT217 - Cavendish Road (TA)	14.3	13.8	-0.5
DT219 - Morford Street	17.9	16.9	-1.0
DT221 - Gay Street - façade	35.0	35.2	0.2
DT222 - Anglo Terrace façade (TA)	51.9	42.5	-9.5
DT223 - Canton Place (TA)	39.1	27.6	-11.4
DT224 - Walcot Parade 2 (TA)	55.9	48.3	-7.6
DT225 - Cleveland Terrace (TA)	38.2	32.1	-6.1
DT227 - Wells Road 3 (TA)	40.8	33.6	-7.2
DT232 - Lansdown Road 3 (TA)	30.1	24.3	-5.8
DT233 - Lansdown Road 4 (TA)	25.9	25.8	-0.1
DT234 - Gay Street 2 (TA)	43.4	43.4	0.0
DT235 - Wells Road 4 (TA)	39.6	33.1	-6.5
DT236 - Pulteney Terrace (TA)	26.8	20.8	-6.0
DT237 - Broad Street 2	32.6	36.0	3.4
DT238 - Broad Street 3 (TA)	35.2	30.2	-5.0
DT239 - Broad Street 4 (TA)	36.2	34.4	-1.8
DT240 - Bathwick Street 2 (TA)	31.0	22.4	-8.5
DT241 - Bathwick Street 3 (TA)	22.2	14.6	-7.6
DT242 - Charlotte Street 2 (TA)	22.2	18.6	-3.6
DT243 - Sydney Place (TA)	31.6	22.2	-9.4
DT246 - Dorchester Street 2 (TA)	41.6	35.1	-6.6
DT247 - Monmouth Place 2 (TA)	29.4	24.1	-5.3
DT248 - Chapel Row 2 (TA)	39.9	44.0	4.1
DT288 - Victoria Buildings façade	N/A	33.0	N/A
DT294 - Walcot Parade 3	N/A	32.0	N/A
DT297 - Midland Bridge Road	N/A	28.6	N/A

DT304- Walcot Parade 4	N/A	44.1	N/A
DT305- Wells Road 5	N/A	42.4	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 2022 Q3. Many sites recording in 2022 Q3 do not have a 2019 Q3 baseline as they were installed at a later date. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2022 Q3 have been used for analysis as they have full data sets in both quarters (45 sites in total). TA = triplicate average (where three diffusion tubes are located at one site and an average of all three taken).

Site ID	2019 Q3 NO ₂ concentration (µg/m ³)	2022 Q3 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
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DT008 - Windsor Bridge	27.2	20.7	-6.5
DT026 - Upper Wellsway	24.7	22.3	-2.4
DT034 - Newbridge Rd	29.6	21.0	-8.7
DT052 - Walcott Terrace (TA)	37.1	24.4	-12.7
DT055 - Lambridge	38.4	31.9	-6.4
DT058 - Batheaston - London Rd West A	21.7	16.0	-5.7
DT062 - Argyle Terrace	34.7	31.3	-3.4
DT084 - Bearflat	29.2	25.5	-3.7
DT085 - RUH North	24.5	21.9	-2.7
DT091 - Bathampton High Street	21.6	21.9	0.3
DT094 - Batheaston - London Rd West B	24.2	22.4	-1.8
DT130 - Batheaston - London Road West C	22.3	17.6	-4.8
DT142 - Prior Park Road	28.8	24.2	-4.7
DT143 - Rackfield Place	22.0	21.5	-0.4
DT150 - Brougham Hayes	24.7	22.8	-1.9
DT151 - Widcombe Hill	21.3	19.7	-1.6
DT152 - Bathwick Hill	24.5	17.4	-7.2
DT154 - Bradford Road	21.1	20.9	-0.1
DT155 - Newbridge Hill 2	14.4	12.7	-1.7
DT163 - A4 Box Road, Batheaston	21.4	14.8	-6.7
DT165 - Brassknocker Hill	38.5	29.1	-9.4
DT166 - A36 Bathampton	25.4	18.4	-7.0
DT167 - Weston High St	17.6	16.5	-1.1
DT168 - Englishcombe Lane	10.8	11.0	0.2
DT169 - Eastbourne Ave	19.5	17.4	-2.1
DT171 - Frome Road/Upper Bloomfield	23.8	25.9	2.1
DT179 - Upper Bristol Road 3 (TA)	31.3	27.5	-3.8
DT181 - Wellsway	34.2	26.7	-7.5

DT185 - Greenway Lane	13.8	9.8	-3.9
DT186 - Coronation Ave	15.8	15.5	-0.3
DT187 - Stanley Road West	18.4	18.3	-0.1
DT188 - Moorland Road	16.6	16.2	-0.3
DT189 - Old Newbridge Hill	26.5	27.1	0.6
DT190 - Church Street	9.2	8.8	-0.4
DT191 - Batheaston - Mill Lane	20.2	18.7	-1.4
DT192 - Fairfield Road	12.1	10.3	-1.8
DT193 - Granville Road	7.6	5.1	-2.5
DT194 - Brooklyn Road	14.1	11.2	-3.0
DT195 - Lansdown Lane	16.9	19.7	2.7
DT196 - Oakley	26.7	17.2	-9.4
DT197 - Rush Hill	22.3	19.7	-2.6
DT199 - Hensley Road	9.8	8.5	-1.3
DT200 - Millmead Road	11.4	12.7	1.3
DT201 - The Hollow	19.4	20.7	1.3
DT202 - Charlcombe	12.0	9.7	-2.3
DT206 - Park Lane (TA)	30.1	27.2	-2.9
DT209 - Bellots Road	15.4	10.8	-4.5
DT210 - Red Lion Roundabout	34.1	33.5	-0.6
DT218 - Weston Road	17.3	13.9	-3.5
DT226 - AURN* (TA)	N/A	28.1	N/A
DT228 - Lower Bristol Road 2 (TA)	27.5	22.8	-4.7
DT229 - Lower Bristol Road 3 (TA)	32.6	29.4	-3.2
DT230 - Upper Bristol Road 4 (TA)	42.7	36.0	-6.7
DT231 - Upper Bristol Road 5 (TA)	43.6	34.5	-9.1
DT244 - Whiteway	16.5	18.5	2.1
DT245 - Whiteway 2	24.1	20.2	-3.9

DT276 - Twerton High Street	N/A	31.5	N/A
DT289 - Bathampton 1	N/A	22.7	N/A
DT290 - Bathampton 2	N/A	24.5	N/A
DT291 - Bathampton 3	N/A	20.6	N/A
DT292 - Bathampton 4	N/A	18.7	N/A
DT298 - Tennyson Road	N/A	8.5	N/A
DT299 - Upper Bristol Road 6	N/A	31.5	N/A
DT300 - Penn Hill Road	N/A	13.9	N/A
DT301 - Southlands	N/A	7.2	N/A
DT302 - Anchor Road	N/A	19.2	N/A
DT303 - Prior Park Road 2	N/A	14.3	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 2022 Q3. Many sites recording in 2022 Q3 do not have a 2019 Q3 baseline as they were installed at a later date. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2022 Q3 have been used for analysis as they have full data sets in both quarters. TA= triplicate average (where three diffusion tubes are located at one site and an average all of three taken)

Site ID	2019 Q3 NO ₂ concentration (µg/m ³)	2022 Q3 NO ₂ concentration (µg/m ³)	Change (µg/m ³)
DT032 - Whitchurch	32.2	31.7	-0.4
DT033 - Keynsham (Kelston Road)	8.7	8.4	-0.3
DT063 - Keynsham - Station Rd	22.2	24.4	2.2
DT064 - Keynsham - Charlton Rd B	24.8	28.1	3.3
DT065 - Keynsham - Charlton Rd A	23.6	26.2	2.6
DT066 - Keynsham - High St A	32.0	33.6	1.6

DT067 - Keynsham - Somerfield	27.2	26.1	-1.1
DT068 - Keynsham - Temple St	16.5	14.9	-1.5
DT069 - Keynsham - Rock Road	19.1	19.2	0.0
DT070 - Keynsham - Bath Hill	21.0	19.4	-1.5
DT075 - Saltford - The Crown	27.4	24.3	-3.1
DT077 - Saltford - Bath Rd	25.8	22.4	-3.3
DT096 - Temple Cloud 1 (TA)	57.4	48.7	-8.7
DT098 - Whitchurch 2	28.1	28.4	0.2
DT100 - Whitchurch 4	24.1	22.4	-1.7
DT101 - Whitchurch 5	31.4	33.0	1.7
DT107 - Keynsham - Bath Hill (South)	32.1	30.4	-1.7
DT108 - Temple Cloud 2 (TA)	38.6	31.7	-6.9
DT109 - Temple Cloud 3 (TA)	34.0	29.6	-4.4
DT112 - Keynsham - Ashton Way	19.3	18.7	-0.6
DT115 - Keynsham - High Street B	16.0	18.6	2.6
DT134 - Farrington Gurney 2	42.8	35.5	-7.3
DT136 - Farrington Gurney 3	39.3	37.5	-1.8
DT138 - Farrington Gurney 5	36.6	34.5	-2.2
DT141 - Keynsham A4	28.2	28.4	0.2
DT174 - Pensford 3	37.2	35.3	-1.9
DT252 - Temple Cloud 9 (TA)	N/A	34.4	N/A
DT253 - Temple Cloud 10 (TA)	N/A	41.5	N/A
DT254 - Temple Cloud 11 (TA)	N/A	37.1	N/A
DT255 - Temple Cloud 12 (TA)	N/A	42.4	N/A
DT269 - Westfield 5	N/A	10.0	N/A
DT295 - Radstock - Bath New Road**	N/A	52.2	N/A
DT296 - Old Mills	N/A	25.0	N/A

**Two further diffusion tube locations were added within the vicinity of Bath New Road to help investigate this location further. The results of these sites will be published within the 2022 Q4 CAZ Report.