

## Appendix 2: Full quarterly diffusion tube NO<sub>2</sub> data

The following tables outline the provisional average quarterly nitrogen dioxide (NO<sub>2</sub>) concentrations in micrograms per cubic metre (µg/m<sup>3</sup>) 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 Q4. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2021 Q4 have been used for analysis as they have full data sets in both quarters. (59 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 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT003 - Broad St	44.9	37.9	-7.1
DT004 - George St	32.9	29.4	-3.5
DT005 - Gay St - Top	39.1	28.3	-10.8
DT009 - Upper Bristol Rd	36.9	30.1	-6.8
DT014 - Bathwick St	37.1	24.4	-12.7
DT015 - Beckford Rd	31.0	24.4	-6.5
DT016 - Warminster Rd	36.2	27.0	-9.2
DT017 - Widcombe School (TA)	35.2	26.6	-8.7
DT018 - Widcombe High St	29.0	22.8	-6.2
DT020 - Wells Rd (TA)	57.7	51.1	-6.6
DT021 - Wells Rd /Upper Oldfield Park	39.1	33.7	-5.4
DT037 - Charlotte St (TA)	34.7	30.3	-4.4
DT039 - Manvers St	38.1	32.0	-6.1

Site ID	2019 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT042 - Dorchester St	49.1	53.7	4.6
DT043 - St. James Parade	42.4	43.3	0.9
DT045 - James St West	34.2	32.1	-2.1
DT060 - Victoria Buildings	48.4	43.8	-4.6
DT087 - Oak Street	34.0	26.2	-7.8
DT090 - Anglo Terrace (TA)	52.4	37.3	-15.1
DT145 - Lansdown Road	28.3	24.5	-3.7
DT147 - Terrace Walk	32.8	25.4	-7.4
DT148 - Julian Rd (TA)	29.5	24.6	-4.9
DT149 - Camden 3	30.2	26.3	-3.9
DT153 - North Road	18.4	19.2	0.8
DT156 - Corn Street	33.7	27.4	-6.3
DT157 - Charles Street	31.7	27.7	-4.0
DT158 - Paragon 2	37.7	29.9	-7.8
DT159 - Walcot Street	31.7	26.0	-5.7
DT160 - North Parade Road	41.4	33.0	-8.3
DT172 - London Road 2 (TA)	39.2	37.5	-1.6
DT173 - Upper Bristol Road 2	39.9	33.5	-6.3
DT180 - Wells Road 2 (TA)	37.5	34.6	-2.9
DT182 - Gay Street - Lower (TA)	45.2	42.6	-2.6
DT183 - Chapel Row	33.2	31.3	-1.9
DT198 - Walcot Parade (TA)	55.4	44.4	-11.0
DT207 - Darlington Street	40.6	32.3	-8.3
DT211 - St John's Road	27.9	19.2	-8.7
DT212 - Oldfield Road	24.0	17.0	-7.0

Site ID	2019 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT213 - Marlborough Lane (TA)	25.6	22.5	-3.1
DT214 - Marlborough Buildings (TA)	26.1	22.7	-3.4
DT215 - Queen Parade Place (TA)	23.6	19.7	-4.0
DT216 - Monmouth Place (TA)	35.0	32.2	-2.7
DT217 - Cavendish Road (TA)	22.3	17.3	-5.0
DT219 - Morford Street	27.8	21.4	-6.4
DT221 - Gay Street - façade	37.6	36.3	-1.3
DT222 - Anglo Terrace façade (TA)	54.8	44.5	-10.3
DT223 - Canton Place (TA)	42.4	31.3	-11.1
DT224 - Walcot Parade 2 (TA)	63.5	51.3	-12.2
DT225 - Cleveland Terrace (TA)	42.9	38.3	-4.6
DT227 - Wells Road 3 (TA)	46.4	39.4	-7.0
DT232 - Lansdown Road 3 (TA)	33.6	32.2	-1.3
DT233 - Lansdown Road 4 (TA)	34.1	27.6	-6.4
DT234 - Gay Street 2 (TA)	43.7	43.5	-0.2
DT235 - Wells Road 4 (TA)	41.1	43.4	2.3
DT236 - Pulteney Terrace (TA)	36.5	27.0	-9.5
DT237 - Broad Street 2	42.6	36.4	-6.2
DT238 - Broad Street 3 (TA)	38.2	37.6	-0.6
DT239 - Broad Street 4 (TA)	42.8	39.9	-2.9
DT240 - Bathwick Street 2 TA)	34.8	25.4	-9.4
DT241 - Bathwick Street 3 (TA)	28.9	21.2	-7.7
DT242 - Charlotte Street 2 (TA)	29.1	24.1	-4.9
DT243 - Sydney Place (TA)	34.2	26.9	-7.3
DT246 - Dorchester Street 2 (TA)	42.8	38.7	-4.1

<b>Site ID</b>	<b>2019 Q4 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q4 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT247 - Monmouth Place 2 (TA)	35.0	32.6	-2.4
DT248 - Chapel Row 2 (TA)	43.4	48.1	4.7
DT288 - Victoria Buildings façade	N/A	37.2	N/A
DT293 - Westgate Buildings	N/A	28.5	N/A
DT294 - Walcot Parade 3	N/A	36.3	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 Q4. One site recording in 2021 Q4 does not have a 2019 Q4 baseline as it was installed at a later period. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2021 Q4 have been used for analysis as they have full data sets in both quarters (48 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 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT008 - Windsor Bridge	31.3	30.7	-0.6
DT026 - Upper Wellsway	32.3	25.3	-7.0
DT034 - Newbridge Rd	37.1	27.6	-9.5
DT052 - Walcott Terrace (TA)	37.8	31.6	-6.2
DT055 - Lambridge	35.1	31.4	-3.7
DT058 - Batheaston - London Rd West A	30.3	23.5	-6.8
DT062 - Argyle Terrace	45.2	38.8	-6.4
DT084 - Bearflat	35.0	28.4	-6.6
DT085 - RUH North	29.8	25.7	-4.1
DT091 - Bathampton High Street	27.9	25.0	-3.0
DT094 - Batheaston - London Rd West B	27.6	25.0	-2.6
DT130 - Batheaston - London Road West C	29.0	25.2	-3.7
DT142 - Prior Park Road	44.4	31.5	-12.9
DT143 - Rackfield Place	32.6	24.5	-8.2
DT150 - Brougham Hayes	34.6	28.3	-6.3
DT151 - Widcombe Hill	36.8	24.0	-12.9
DT152 - Bathwick Hill	30.6	26.0	-4.7

Site ID	2019 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT154 - Bradford Road	33.1	27.1	-5.9
DT155 - Newbridge Hill 2	23.5	18.1	-5.4
DT163 - A4 Box Road, Batheaston	27.9	20.2	-7.7
DT165 - Brassknocker Hill	41.3	30.7	-10.6
DT166 - A36 Bathampton	31.2	23.1	-8.1
DT167 - Weston High St	27.9	21.5	-6.5
DT168 - Englishcombe Lane	15.6	14.3	-1.3
DT169 - Eastbourne Ave	28.8	24.6	-4.2
DT171 - Frome Road/Upper Bloomfield	30.4	24.9	-5.5
DT179 - Upper Bristol Road 3 (TA)	44.9	31.7	-13.1
DT181 - Wellsway	37.0	33.8	-3.2
DT185 - Greenway Lane	21.8	15.3	-6.5
DT186 - Coronation Ave	25.9	18.0	-7.9
DT187 - Stanley Road West	28.5	24.3	-4.2
DT188 - Moorland Road	27.9	22.5	-5.4
DT189 - Old Newbridge Hill	39.2	28.7	-10.4
DT190 - Church Street	17.3	16.0	-1.3
DT191 - Batheaston - Mill Lane	21.7	20.2	-1.4
DT192 - Fairfield Road	22.0	17.0	-5.0
DT193 - Granville Road	12.6	8.6	-4.0
DT194 - Brooklyn Road	19.5	16.0	-3.5
DT195 - Lansdown Lane	26.3	24.5	-1.7
DT196 - Oakley	31.5	27.9	-3.6
DT197 - Rush Hill	31.0	24.2	-6.9

Site ID	2019 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q4 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT199 - Hensley Road	16.5	12.2	-4.3
DT200 - Millmead Road	20.8	15.7	-5.1
DT201 - The Hollow	27.8	24.9	-2.9
DT202 - Charlcombe	18.0	14.5	-3.5
DT206 - Park Lane (TA)	34.5	31.2	-3.3
DT209 - Bellots Road	24.7	20.7	-4.1
DT210 - Red Lion Roundabout	38.7	33.1	-5.6
DT218 - Weston Road	24.9	19.8	-5.1
DT226 - AURN (TA)	42.0	32.3	-9.7
DT228 - Lower Bristol Road 2 (TA)	34.3	29.4	-4.9
DT229 - Lower Bristol Road 3 (TA)	43.8	34.3	-9.5
DT230 - Upper Bristol Road 4 (TA)	50.1	41.6	-8.5
DT231 - Upper Bristol Road 5 (TA)	46.2	39.3	-6.9
DT244 - Whiteway	22.8	20.6	-2.2
DT245 - Whiteway 2	29.7	25.1	-4.6
DT276 - Twerton High Street	N/A	35.1	N/A
DT289 - Bathampton 1	N/A	25	N/A
DT290 - Bathampton 2	N/A	26.6	N/A
DT291 - Bathampton 3	N/A	24.7	N/A
DT292 - Bathampton 4	N/A	22.3	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 2021 Q4. Some sites which were recording in 2021 Q4 do not have a 2019 Q4 baseline as they were installed at a later period. Sites with missing data are highlighted in orange. Sites which are not highlighted in both 2019 and 2021 Q4 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).

<b>Site ID</b>	<b>2019 Q4 NO2 concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q4 NO2 concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT032 - Whitchurch	40.9	36.4	-4.5
DT033 - Keynsham (Kelston Road)	16.5	11.9	-4.6
DT063 - Keynsham - Station Rd	30.7	27.1	-3.5
DT064 - Keynsham - Charlton Rd B	37.2	28.3	-8.9
DT065 - Keynsham - Charlton Rd A	32.0	29.1	-2.9
DT066 - Keynsham - High St A	39.0	34.6	-4.4
DT067 - Keynsham - Somerfield	37.8	31.3	-6.5
DT068 - Keynsham - Temple St	24.5	19.8	-4.6
DT069 - Keynsham - Rock Road	29.4	25.6	-3.7
DT070 - Keynsham - Bath Hill	27.1	20.3	-6.7
DT075 - Saltford - The Crown	38.5	29.9	-8.6
DT077 - Saltford - Bath Rd	31.2	24.2	-7.0
DT096 - Temple Cloud 1 (TA)	64.0	47.7	-16.3
DT098 - Whitchurch 2	34.4	23.7	-10.8
DT100 - Whitchurch 4	30.2	26.3	-3.9
DT101 - Whitchurch 5	42.3	39.0	-3.3
DT107 - Keynsham - Bath Hill (South)	35.8	33.1	-2.7
DT108 - Temple Cloud 2 (TA)	46.3	35.0	-11.3



<b>Site ID</b>	<b>2019 Q4 NO2 concentration (µg/m3)</b>	<b>2021 Q4 NO2 concentration (µg/m3)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT109 - Temple Cloud 3 (TA)	41.1	33.5	-7.6
DT112 - Keynsham - Ashton Way	24.6	25.9	1.4
DT113 - Keynsham - West View Rd	20.3	16.2	-4.1
DT114 - Keynsham - Victoria Church	29.0	25.2	-3.8
DT115 - Keynsham - High Street B	25.3	21.3	-4.0
DT116 - Keynsham - Fish Bar	28.3	23.2	-5.1
DT134 - Farrington Gurney 2	42.8	34.0	-8.8
DT136 - Farrington Gurney 3	40.2	31.8	-8.4
DT138 - Farrington Gurney 5	39.4	30.8	-8.6
DT141 - Keynsham A4	33.2	33.8	0.5
DT174 - Pensford 3	41.3	36.5	-4.8
DT252 - Temple Cloud 9 (TA)	N/A	38.4	N/A
DT253 - Temple Cloud 10 (TA)	N/A	46.5	N/A
DT254 - Temple Cloud 11 (TA)	N/A	39.2	N/A
DT255 - Temple Cloud 12 (TA)	N/A	44.3	N/A
DT257 - Farrington Gurney - Sunnyside	N/A	21.9	N/A
DT258 - Radstock - Frome Road	N/A	26.9	N/A
DT266 - Keynsham - Avon Mill Lane	N/A	20.6	N/A
DT268 - Westfield 4	N/A	26.9	N/A
DT269 - Westfield 5	N/A	16.7	N/A
DT270 - Westfield 6	N/A	24.2	N/A
DT271 - Westfield 7	N/A	28.1	N/A
DT284- Temple Cloud 26	N/A	30.4	N/A