

## Appendix 3: 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). All 2021 air quality data is provisional until the release of the annual CAZ report in 2022.

Table 1- showing sites within the CAZ\_Only (sites within the CAZ boundary) site grouping which were recording data in 2021 Q3. Some sites which were recording in 2021 Q3 do not have a 2019 Q3 baseline as they were installed at a later period. Additionally, some sites within 2019 Q3 have missing data as they were installed in August 2019 to provide increased analysis of air quality levels in Bath in support of the CAZ. Sites with missing data are highlighted in orange. Sites which are not orange in both 2019 and 2021 Q3 have been used for analysis as they have full data sets in both quarters. (35 sites in total). TA = triplicate average (where three diffusion tubes are located at one site and an average of all three taken)

Site no. and name	2019 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT003 - Broad St	34.2	35.1	0.9
DT004 - George St	26.1	28.9	2.8
DT005 - Gay St - Top	24.6	25.2	0.6
DT009 - Upper Bristol Rd	24.3	25.8	1.5
DT014 - Bathwick St	33.4	13.4	-20.0
DT015 - Beckford Rd	26.1	19.3	-6.7
DT016 - Warminster Rd	31.4	23.0	-8.4
DT017 - Widcombe School (TA)	26.4	20.3	-6.1
DT018 - Widcombe High St	21.4	16.8	-4.5
DT020 - Wells Rd (TA)	46.9	48.2	1.3
DT021 - Wells Rd /Upper Oldfield Park	36.4	28.5	-7.9
DT037 - Charlotte St (TA)	26.4	25.8	-0.7

<b>Site no. and name</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT039 - Manvers St	29.8	25.1	-4.7
DT042 - Dorchester St	47.0	47.0	0.0
DT043 - St. James Parade	39.9	39.1	-0.8
DT045 - James St West	25.6	24.5	-1.2
DT060 - Victoria Buildings	41.0	44.2	3.2
DT087 - Oak Street	27.5	23.1	-4.4
DT090 - Anglo Terrace (TA)	47.2	28.6	-18.7
DT145 - Lansdown Road	24.2	20.6	-3.6
DT147 - Terrace Walk	28.0	20.3	-7.7
DT148 - Julian Rd (TA)	24.3	21.8	-2.5
DT149 - Camden 3	21.5	19.6	-1.9
DT153 - North Road	15.6	11.5	-4.1
DT156 - Corn Street	24.6	21.6	-3.0
DT157 - Charles Street	23.4	27.7	4.3
DT158 - Paragon 2	25.5	28.2	2.7
DT159 - Walcot Street	22.2	18.9	-3.3
DT160 - North Parade Road	32.2	24.5	-7.6
DT172 - London Road 2 (TA)	42.8	28.7	-14.1
DT173 - Upper Bristol Road 2	32.8	28.2	-4.6
DT180 - Wells Road 2 (TA)	36.9	33.6	-3.2
DT182 - Gay Street - Lower (TA)	43.2	41.6	-1.5
DT183 - Chapel Row	26.7	32.0	5.3
DT198 - Walcot Parade (TA)	46.6	35.7	-11.0
DT207 - Darlington Street	40.9	26.5	-14.4
DT211 - St John's Road	17.8	12.4	-5.4

<b>Site no. and name</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT212 - Oldfield Road	15.0	13.3	-1.7
DT213 - Marlborough Lane (TA)	19.0	21.3	2.3
DT214 - Marlborough Buildings (TA)	16.3	15.9	-0.5
DT215 - Queen Parade Place (TA)	15.3	15.5	0.2
DT216 - Monmouth Place (TA)	24.4	24.9	0.6
DT217 - Cavendish Road (TA)	14.3	14.0	-0.3
DT219 - Morford Street	17.9	18.2	0.3
DT221 - Gay Street - façade	35.0	34.0	-1.0
DT222 - Anglo Terrace façade (TA)	51.9	33.5	-18.4
DT223 - Canton Place (TA)	39.1	19.3	-19.8
DT224 - Walcot Parade 2 (TA)	55.9	45.5	-10.5
DT225 - Cleveland Terrace (TA)	38.2	33.7	-4.5
DT227 - Wells Road 3 (TA)	40.8	36.7	-4.1
DT232 - Lansdown Road 3 (TA)	30.1	23.6	-6.5
DT233 - Lansdown Road 4 (TA)	25.9	25.3	-0.7
DT234 - Gay Street 2 (TA)	43.4	42.7	-0.7
DT235 - Wells Road 4 (TA)	39.6	36.3	-3.3
DT236 - Pulteney Terrace (TA)	26.8	19.8	-7.0
DT237 - Broad Street 2	32.6	39.9	7.3
DT238 - Broad Street 3 (TA)	35.2	35.8	0.6
DT239 - Broad Street 4 (TA)	36.2	43.1	6.9
DT240 - Bathwick Street 2 TA)	31.0	11.7	-19.2
DT241 - Bathwick Street 3 (TA)	22.2	10.8	-11.4
DT242 - Charlotte Street 2 (TA)	22.2	19.5	-2.7
DT243 - Sydney Place (TA)	31.6	18.1	-13.5

<b>Site no. and name</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT246 - Dorchester Street 2 (TA)	41.6	35.2	-6.4
DT247 - Monmouth Place 2 (TA)	29.4	29.0	-0.4
DT248 - Chapel Row 2 (TA)	39.9	48.9	9.0
DT278- CAZ Background 1 (Royal Crescent)	N/A- site new in Sep 21	11.2	
DT279- CAZ Background 2 (Henrietta Park)	N/A- site new in Sep 21	10.6	

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 Q3. Some sites which were recording in 2021 Q3 do not have a 2019 Q3 baseline as they were installed at a later period. Additionally, some sites within 2019 Q3 have missing data as they were installed in August 2019 to provide increased analysis of air quality levels in Bath in support of the CAZ. Sites with missing data are highlighted in orange. Sites which are not orange in both 2019 and 2021 Q3 have been used for analysis as they have full data sets in both quarters (41 sites in total) TA = triplicate average (where three diffusion tubes are located at one site and an average of all three taken)

Site no. and name	2019 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT008 - Windsor Bridge	27.2	21.8	-5.4
DT026 - Upper Wellsway	24.7	25.1	0.4
DT034 - Newbridge Rd	29.6	21.2	-8.5
DT052 - Walcott Terrace (TA)	37.1	23.5	-13.5
DT055 - Lambridge	38.4	31.5	-6.8
DT058 - Batheaston - London Rd West A	21.7	18.8	-2.9
DT062 - Argyle Terrace	34.7	37.1	2.3
DT084 - Bearflat	29.2	24.5	-4.8
DT085 - RUH North	24.5	23.5	-1.0
DT091 - Bathampton High Street	21.6	21.4	-0.2
DT094 - Batheaston - London Rd West B	24.2	24.8	0.6
DT130 - Batheaston - London Road West C	22.3	20.7	-1.6
DT142 - Prior Park Road	28.8	24.8	-4.0
DT143 - Rackfield Place	22.0	23.1	1.1
DT150 - Brougham Hayes	24.7	22.9	-1.8
DT151 - Widcombe Hill	21.3	20.9	-0.4
DT152 - Bathwick Hill	24.5	20.8	-3.7

<b>Site no. and name</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT154 - Bradford Road	21.1	23.4	2.4
DT155 - Newbridge Hill 2	14.4	11.6	-2.8
DT163 - A4 Box Road, Batheaston	21.4	12.3	-9.1
DT165 - Brassknocker Hill	38.5	33.8	-4.7
DT166 - A36 Bathampton	25.4	21.0	-4.4
DT167 - Weston High St	17.6	19.2	1.6
DT168 - Englishcombe Lane	10.8	10.0	-0.8
DT169 - Eastbourne Ave	19.5	16.7	-2.7
DT171 - Frome Road/Upper Bloomfield	23.8	26.5	2.7
DT179 - Upper Bristol Road 3 (TA)	31.3	31.7	0.4
DT181 - Wellsway	34.2	26.1	-8.0
DT185 - Greenway Lane	13.8	9.8	-4.0
DT186 - Coronation Ave	15.8	15.2	-0.5
DT187 - Stanley Road West	18.4	16.8	-1.6
DT188 - Moorland Road	16.6	15.5	-1.1
DT189 - Old Newbridge Hill	26.5	29.8	3.3
DT190 - Church Street	9.2	8.1	-1.1
DT191 - Batheaston - Mill Lane	20.2	20.2	0.0
DT192 - Fairfield Road	12.1	10.4	-1.6
DT193 - Granville Road	7.6	5.3	-2.2
DT194 - Brooklyn Road	14.1	11.8	-2.3
DT195 - Lansdown Lane	16.9	19.6	2.6
DT196 - Oakley	26.7	17.4	-9.3
DT197 - Rush Hill	22.3	21.2	-1.1
DT199 - Hensley Road	9.8	8.3	-1.6

Site no. and name	2019 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	2021 Q3 NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	Change (µg/m <sup>3</sup> )
DT200 - Millmead Road	11.4	11.3	-0.1
DT201 - The Hollow	19.4	20.9	1.5
DT202 - Charlcombe	12.0	9.4	-2.6
DT206 - Park Lane (TA)	30.1	28.1	-2.0
DT209 - Bellots Road	15.4	14.4	-1.0
DT210 - Red Lion Roundabout	34.1	33.6	-0.5
DT218 - Weston Road	17.3	14.0	-3.4
DT226 - AURN* (TA)	N/A- site new in Oct 2019	25.7	N/A
DT228 - Lower Bristol Road 2 (TA)	27.5	25.0	-2.5
DT229 - Lower Bristol Road 3 (TA)	32.6	31.1	-1.5
DT230 - Upper Bristol Road 4 (TA)	42.7	41.2	-1.5
DT231 - Upper Bristol Road 5 (TA)	43.6	35.9	-7.7
DT244 - Whiteway	16.5	18.8	2.3
DT245 - Whiteway 2	24.1	22.2	-1.9
DT276 - Twerton High Street	N/A- site new in Aug 21	27.2	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 Q3. Some sites which were recording in 2021 Q3 do not have a 2019 Q3 baseline as they were installed at a later period. Sites which are not orange in both 2019 and 2021 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)

<b>Site ID</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT032 - Whitchurch	32.2	27.6	-4.6
DT033 - Keynsham (Kelston Road)	8.7	8.2	-0.5
DT063 - Keynsham - Station Rd	22.2	23.1	0.9
DT064 - Keynsham - Charlton Rd B	24.8	25.0	0.2
DT065 - Keynsham - Charlton Rd A	23.6	24.8	1.2
DT066 - Keynsham - High St A	32.0	29.7	-2.4
DT067 - Keynsham - Somerfield	27.2	25.5	-1.7
DT068 - Keynsham - Temple St	16.5	17.0	0.6
DT069 - Keynsham - Rock Road	19.1	21.8	2.7
DT070 - Keynsham - Bath Hill	21.0	19.2	-1.8
DT075 - Saltford - The Crown	27.4	25.1	-2.3
DT077 - Saltford - Bath Rd	25.8	21.8	-3.9
DT096 - Temple Cloud 1 (TA)	57.4	57.8	0.4
DT098 - Whitchurch 2	28.1	27.7	-0.4
DT100 - Whitchurch 4	24.1	23.5	-0.7
DT101 - Whitchurch 5	31.4	32.1	0.8
DT107 - Keynsham - Bath Hill (South)	32.1	33.2	1.1
DT108 - Temple Cloud 2 (TA)	38.6	35.5	-3.1



<b>Site ID</b>	<b>2019 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>2021 Q3 NO<sub>2</sub> concentration (µg/m<sup>3</sup>)</b>	<b>Change (µg/m<sup>3</sup>)</b>
DT109 - Temple Cloud 3 (TA)	34.0	33.2	-0.8
DT112 - Keynsham - Ashton Way	19.3	21.1	1.7
DT113 - Keynsham - West View Rd	11.4	11.6	0.2
DT114 - Keynsham - Victoria Church	20.3	21.7	1.4
DT115 - Keynsham - High Street B	16.0	11.9	-4.1
DT116 - Keynsham - Fish Bar	18.6	16.3	-2.3
DT134 - Farrington Gurney 2	42.8	37.9	-4.9
DT136 - Farrington Gurney 3	39.3	37.9	-1.4
DT138 - Farrington Gurney 5	36.6	34.9	-1.8
DT141 - Keynsham A4	28.2	28.7	0.5
DT174 - Pensford 3	37.2	38.4	1.3
DT252 - Temple Cloud 9 (TA)	N/A- site new in Mar 20	42.2	N/A
DT253 - Temple Cloud 10 (TA)	N/A- site new in Mar 20	46.6	N/A
DT254 - Temple Cloud 11 (TA)	N/A- site new in Mar 20	40.2	N/A
DT255 - Temple Cloud 12 (TA)	N/A- site new in Mar 20	44.2	N/A
DT257 - Farrington Gurney - Sunnyside	N/A- site new in May 20	20.9	N/A
DT258 - Radstock - Frome Road	N/A- site new in Jan 21	23.8	N/A
DT266 - Keynsham - Avon Mill Lane	N/A- site new in Feb 21	20.9	N/A
DT268 - Westfield 4	N/A- site new in May 21	23.4	N/A
DT269 - Westfield 5	N/A- site new in May 21	12.5	N/A
DT270 - Westfield 6	N/A- site new in May 21	19.8	N/A
DT271 - Westfield 7	N/A- site new in May 21	25.1	N/A