

Air Quality Update 2020



Overview / Refresher

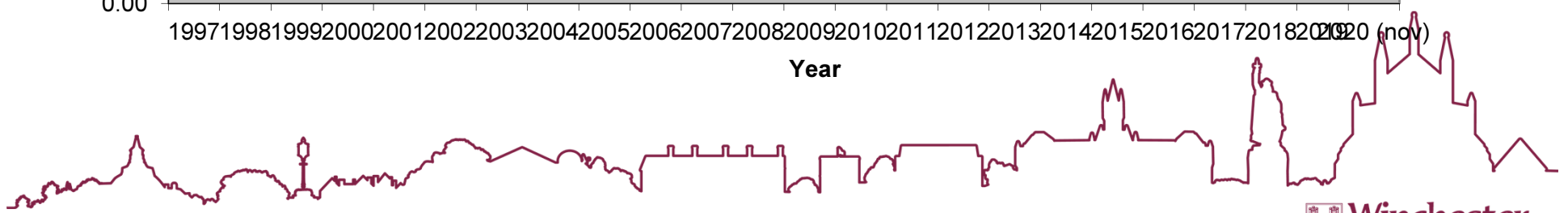
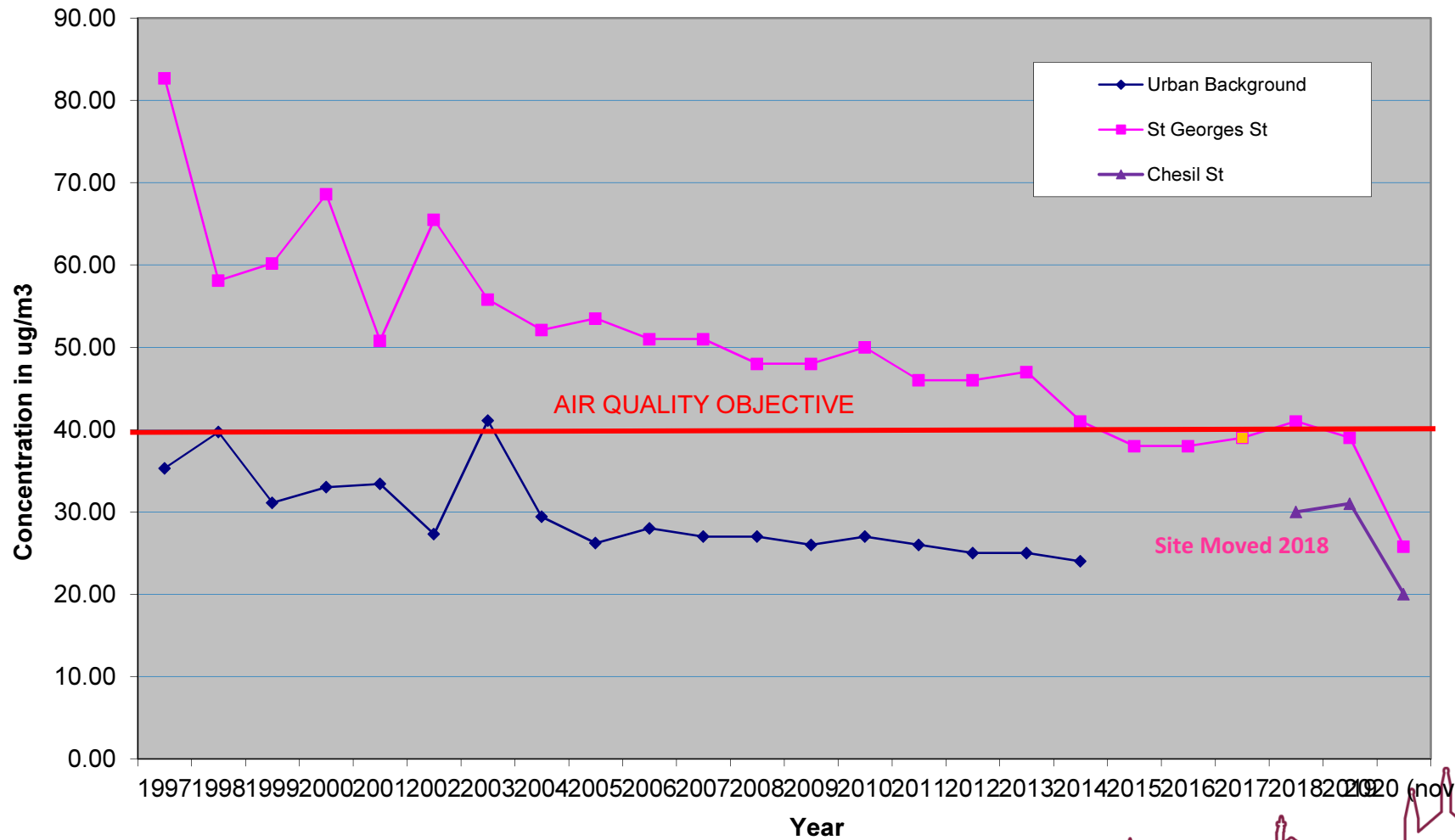
- Air Quality Management Area – Winchester town centre and main arterial routes
- Monitoring for Nitrogen dioxide (NO₂) & Particulates (PM₁₀ and PM_{2.5})
- Complying with NO₂ daily mean standard and PM₁₀ standards both daily and annual mean.
- Due to Covid influenced drop in traffic and a corresponding improvement in air quality, AQMA marginally meeting NO₂ **annual mean** standard of 40µg/m³
- 2 static air quality monitoring stations
 - Chesil Street (Nr Chesil Rectory) NO₂ only
 - St Georges Street (r/o God Begot House) NO₂ and PM₁₀ & PM_{2.5} since Feb'20
- 1 AQMesh analyser on Romsey Road (Arbour Court) **indicative monitoring** of NO₂ and PM10 & PM2.5 since Dec'18
- 26 Nox diffusion tubes in the City and a further 8 Nox diffusion tubes in the wider district, monitoring annual mean trends over time.
- AQ Data publically available on line <http://www.ukairquality.net/home/map>



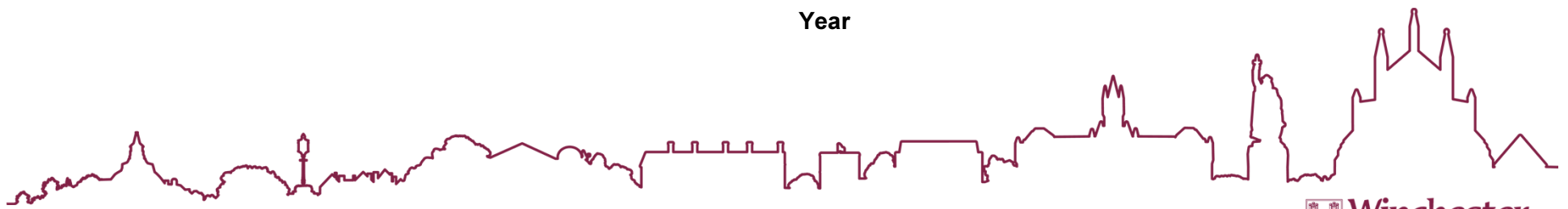
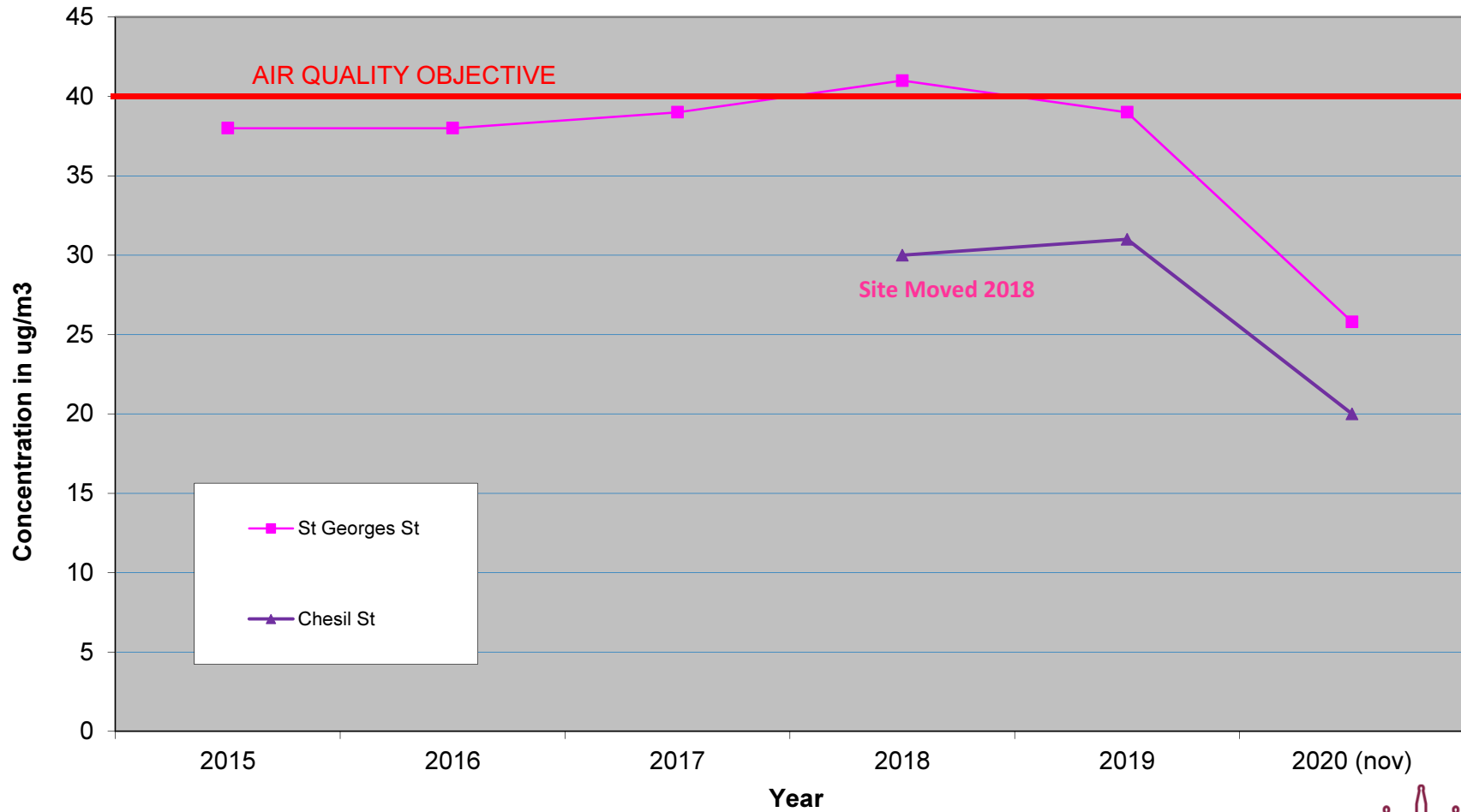
Current AQMA



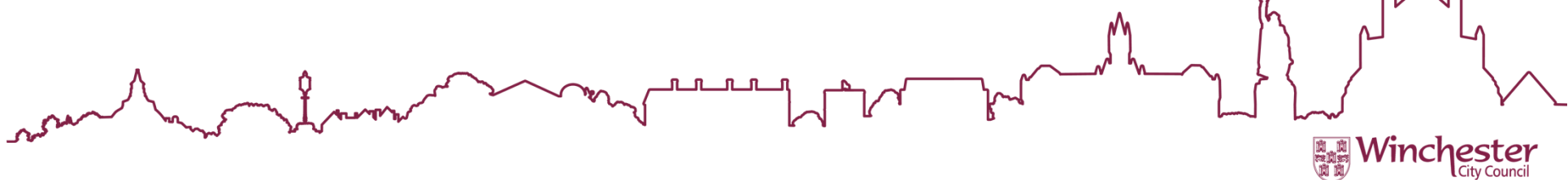
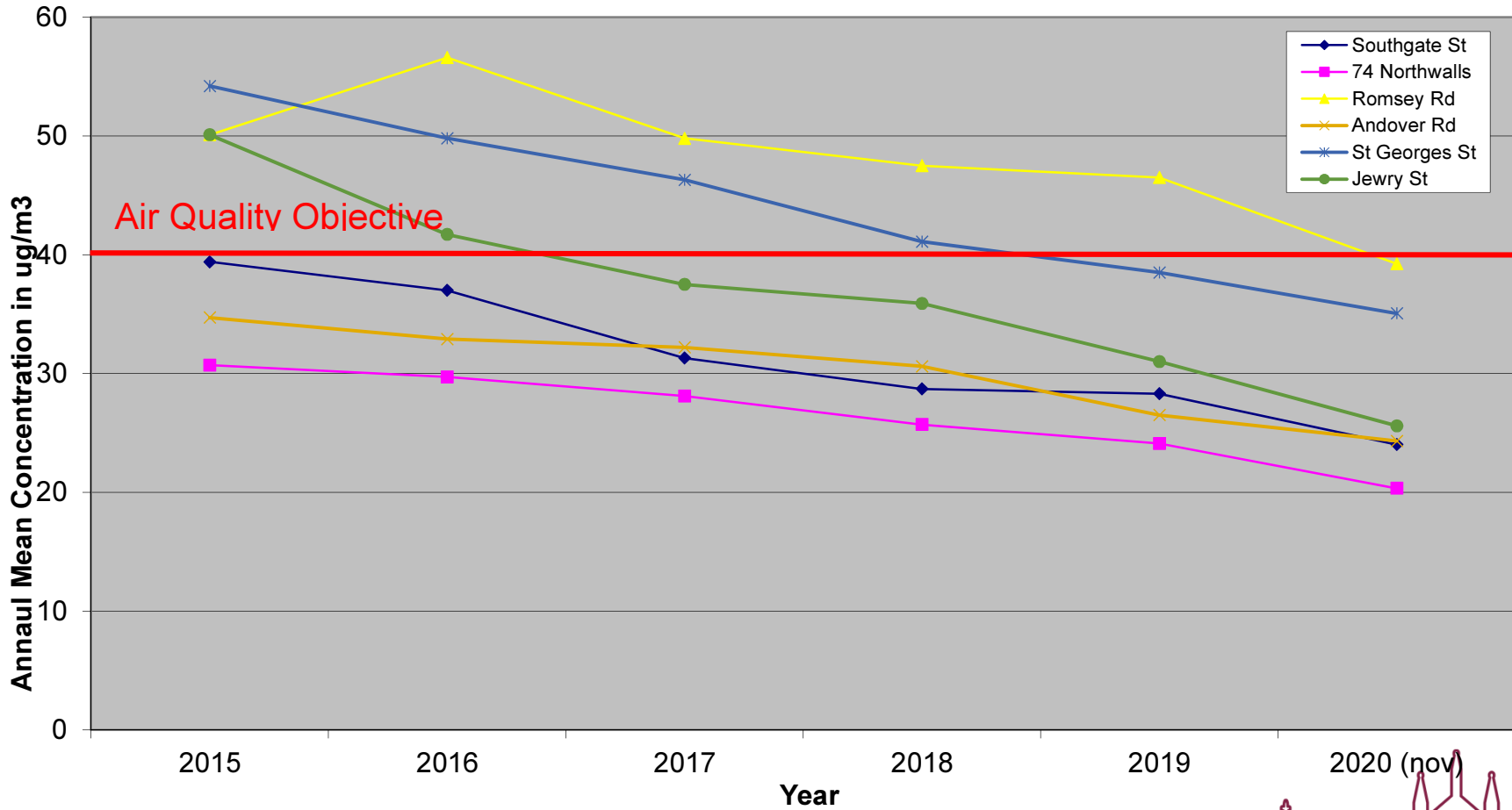
NO₂ (annual mean) AQMS Results since 1997



NO₂ (annual mean) AQMS Results since 2015

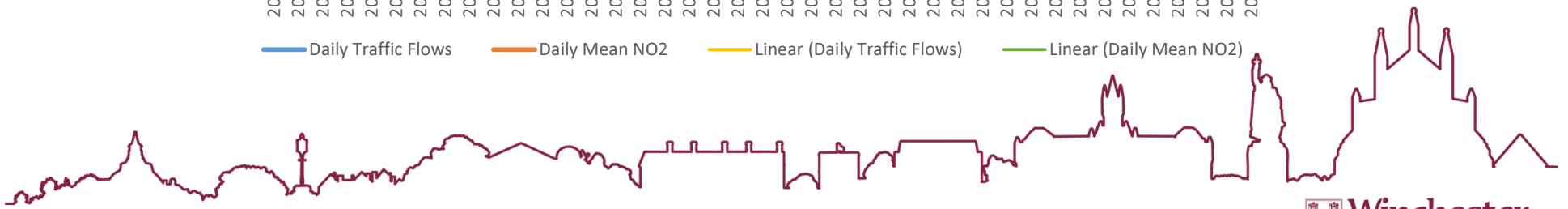
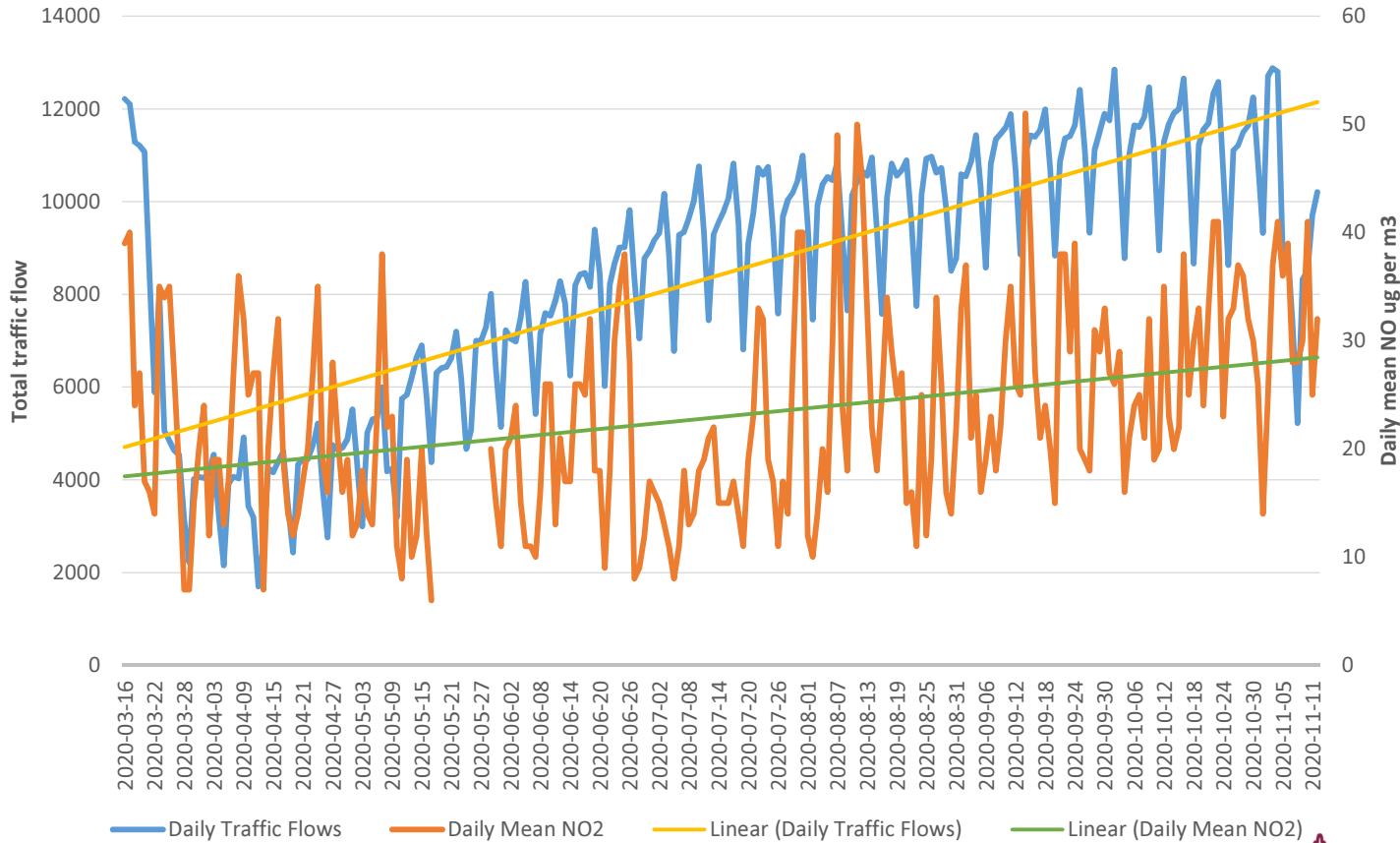


NO₂ Diffusion Tube Data (Highest level city centre locations)



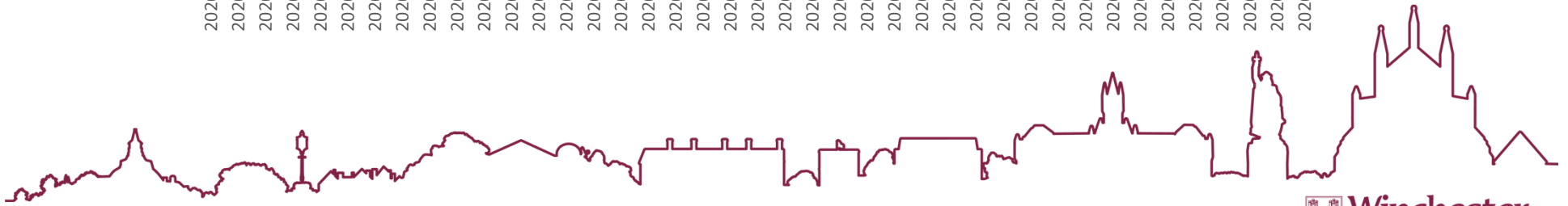
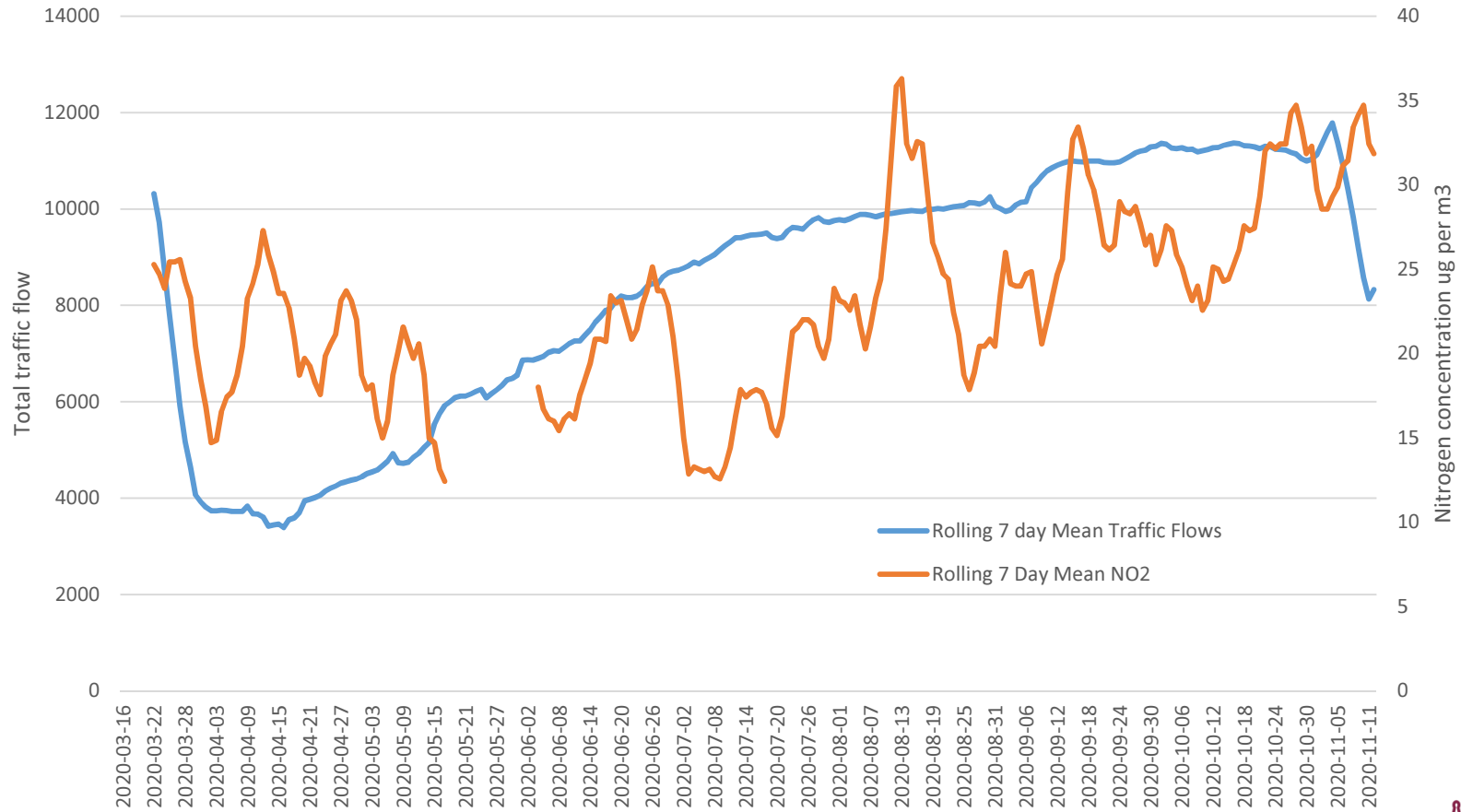
Air Quality during Covid (1)

Daily Averages for Traffic and Air Quality St Georges St Winchester 2020



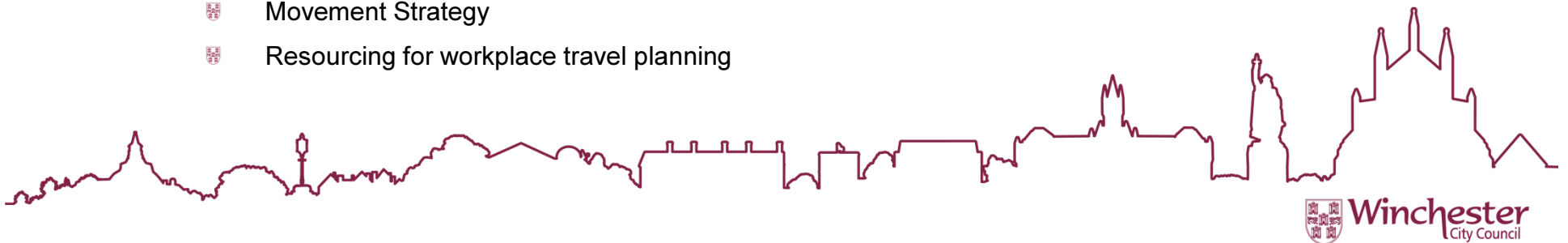
Air Quality during Covid (2)

Air Quality St Georges St Winchester 2020

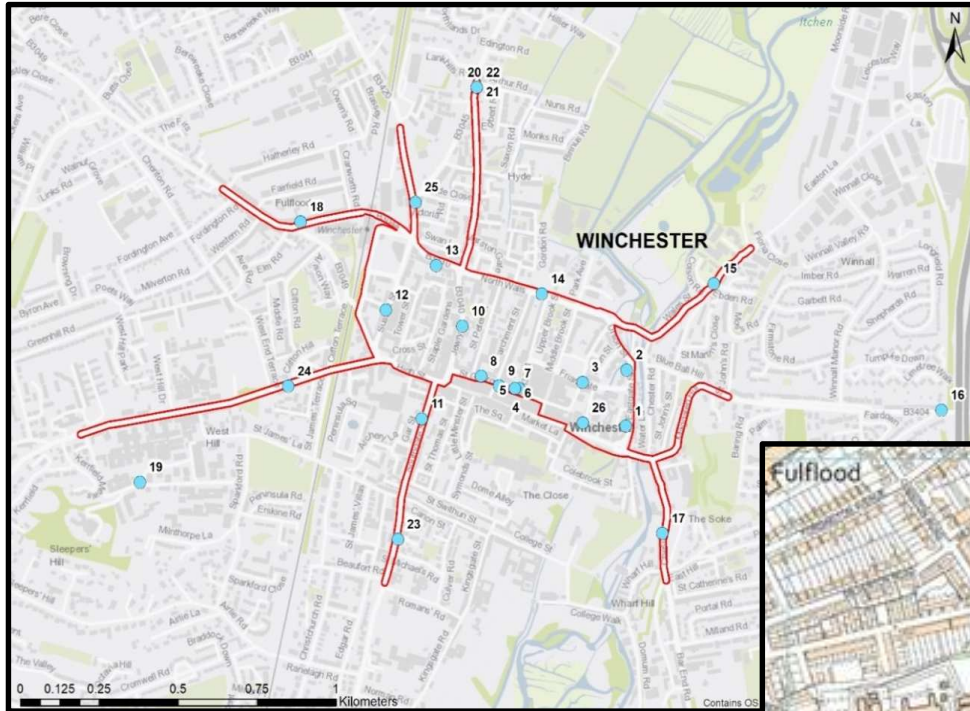


Air Quality 2021 - 2023

- Due to the impact of Covid on traffic levels, we do not expect 2021 data to continue the trend and plan to reposition accordingly
- Move AQMS NOx analyser - imminent install on Romsey Road for 2021
- FIDAS Monitor on St Georges St will collect continuous data for PM10 and PM2.5 in line with Government's future Environment Bill expectations
- Air Quality Steering Group to consider review of AQMA with Defra in March 2021 (next slide)
- Good confidence that AQMA can be reduced to focus on higher NO₂ area (Romsey Road & St George St)
- Now and in the future
 - Electric Vehicle Network
 - Air Quality Supplementary Planning Document (Jan Cabinet)
 - Differential Parking Tariffs
 - Inter authority 'Burn Less' initiative
 - Movement Strategy
 - Resourcing for workplace travel planning



Air Quality 2021 - 2023



Current

Future (best guess/indicative)



Questions

