



MITCHAM SOCIETY

Email: theMitchamSociety@gmail.com Twitter: [@MitchamSociety](https://twitter.com/MitchamSociety)

Air quality monitoring at Mitcham Fair Green July 2016



In the light of reports about air quality falling within London, Mitcham Society is monitoring air quality to assess the levels of nitrogen dioxide in the air at Fair Green.

Our first step was to analyse a stretch of Fair Green which is currently pedestrianised, but which is soon to become a new road taking buses through the centre of Fair Green.

How we did it

Mitcham Society worked with Sustainable Merton on this project.
Sustainable Merton:

- Came to one of our meetings to introduce us to the theory and practice of air quality monitoring
- Attended a site meeting to help us select appropriate sites for our Nitrogen Dioxide monitoring equipment
- Supported us by obtaining monitoring tubes and organising their analysis



A group of Mitcham Society volunteers chose the five sites, positioned the diffusion tubes, and organised their collection and sending off for analysis.

We also held a meeting at Mitcham Fair Green to which we invited London Assembly member Caroline Russell. We took her on a walkabout, discussed our ambitions for the project and showed her what we planned to do.

The results

Unfortunately one of our diffusion tubes was removed from its location. We obtained a replacement, and this was also removed.

Another diffusion tube was lost somewhere between us sending it for analysis and the results arriving back. We are still trying to track that tube down, but in the mean time we have results from three sites.

The results show a measure of Nitrogen Dioxide in the air.

The measure is given as a numerical figure that can be compared with the maximum set by the EU. The detail on the European Air Quality Standards can be found at <http://ec.europa.eu/environment/air/quality/standards.htm>.

The European maximum is 40 µg/m³.

Our three diffusion tubes had a reading of between 31.23 and 32.51.

This means they fall inside the European maximum at this time.

These are the more detailed results:

	Date test put in place	Hours of test	Average µg/m ³
3rd Beech Tree	06/07/16	377.33	32.51
Lamp post opp. White Lion	06/07/16	377.27	31.03
Lamp post Holborn Way	06/07/16	377.15	31.23

What next?

We have shared these results with other organisations and have liaised with Mitcham Cricket Green Community & Heritage around its work on air quality at Cricket Green.

We have added our results to the air quality map at <https://communitymaps.org.uk>.

We will repeat this exercise when the bus street is in operation at Fair Green, after January 2017, using sites as close as possible to those we used for this exercise.

We will publish the comparative results, and share them with organisations monitoring air pollution in London.

