

Monitoring Report - Appendix A4

School Streets and Air Quality

- Due to the rapid deployment of the School Streets project many schools did not have the historic air quality data to compare. Although this is changing in future School Streets and Low Traffic Neighbourhoods. The following schools did have historic data:
 - o Earlsmead Primary School.
 - o Holy Trinity Primary School.
 - o Welbourne Primary School.
- Due to the COVID pandemic and the associated lockdowns the 2020 data would not be representative of the transport and the air quality issues, nor reflect the schools opening (which was intermittent). For the purpose of this report the 2019 data has been used (before the School Streets) as comparison to the 2021 (which is after the School Street has been implemented).
- The air quality monitoring for these schools was taken between April – July 2019 and April – July 2021. This was the first four months of School Street operations.

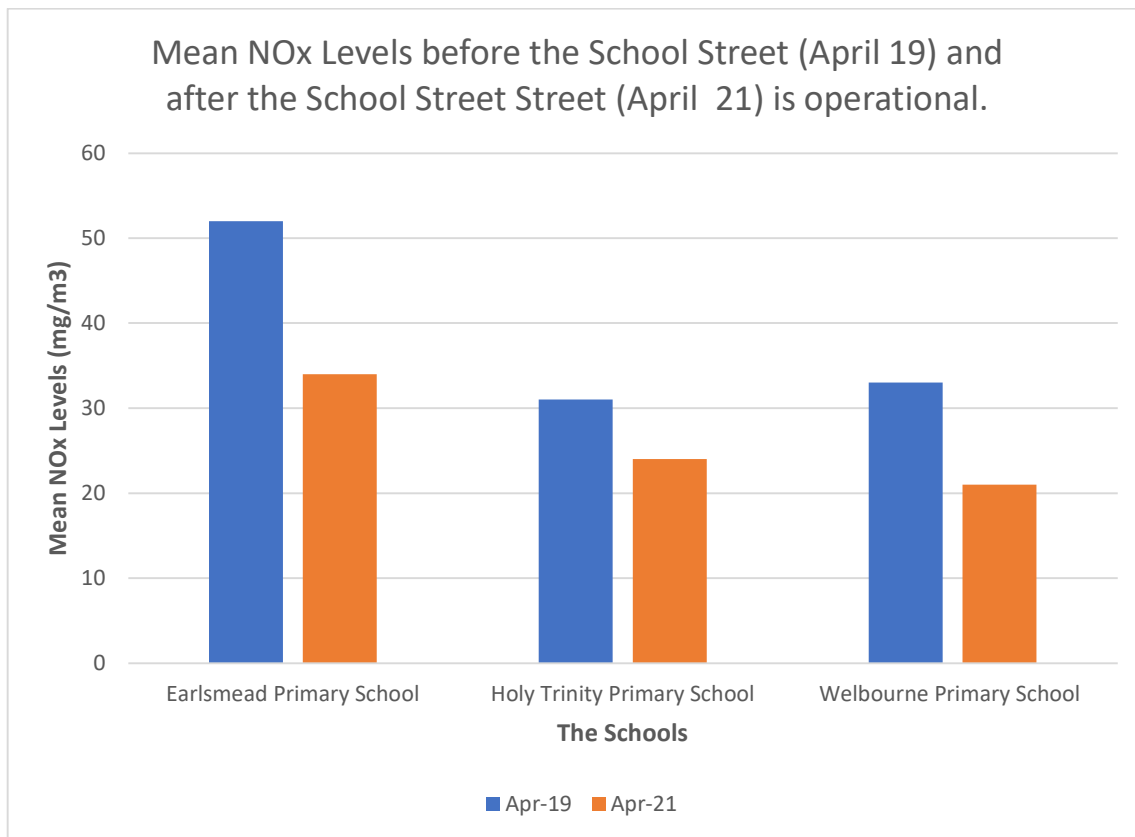
Table 1. Shows the mean NOx levels per month for the first four months of the School Street (in 2021) and the previous year of normal school transport options (2019).

	2019				2021			
	April	May	June	July	April	May	June	July
Earlsmead Primary School	52	47	41	-	34	33	-	28
Holy Trinity Primary School	31	39	31	32	24	30	24	25
Welbourne Primary School	33	27	16	23	21	21	20	18

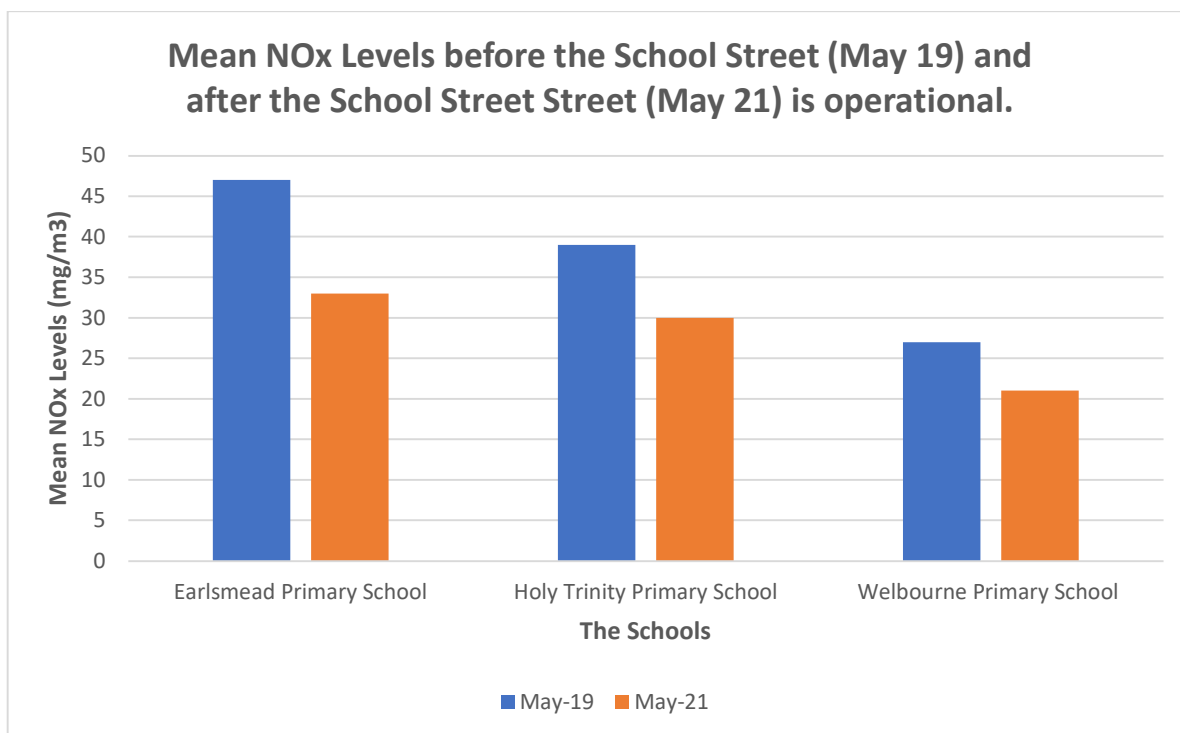
- Table 1 shows that where there are complete data sets (Earlsmead is incomplete for June and July) there is an average reduction in NOx levels of 21% outside the schools with a School Street.
- The Haringey data is backed up with [GLA data](#) collected on School Streets in 2021. This study showed from a sample of 35 schools from Enfield, Brent, and Lambeth, that Nitrogen Oxide levels dropped by 23% outside the schools monitored where a School Street was implemented.
- This data indicates a significant reduction in nitrogen oxides during pick up and drop off delivered by School Streets. A time where several hundred children who are attending these schools would otherwise be exposed to dangerous emissions of Nitrogen Oxides.

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Graph 1. Shows the data before the School Street, and after the School Streets April 2019 and 2021. On average showing a reduction of 31% in NOx levels before and after the School Street.

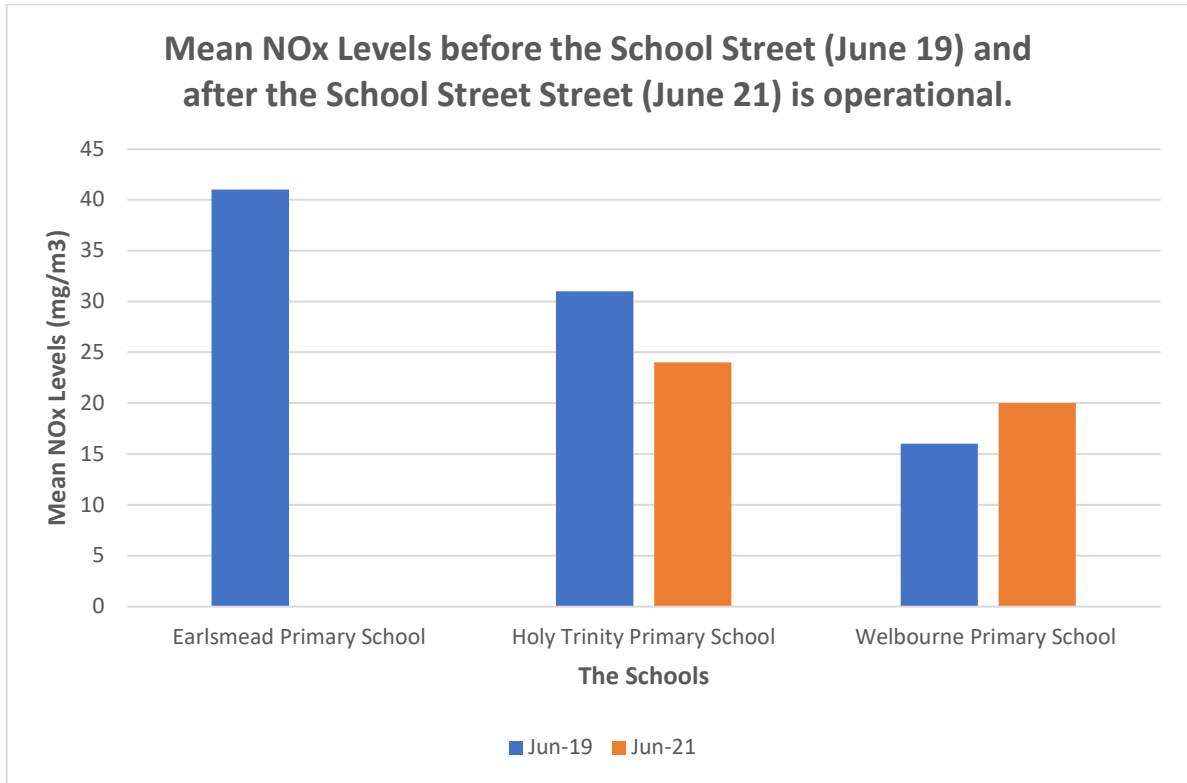


Graph 2. Shows the data before the School Street, and after the School Streets May 2019 and 2021. On average showing a reduction of 25% in NOx levels before and after the School Street.



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Graph 3. Shows the data before the School Street, and after the School Streets June 2019 and 2021. On average showing a reduction was zero. Noting that the data from Earlsmead School was incomplete this month.



Graph 4. Shows the data before the School Street, and after the School Streets July 2019 and 2021. On average showing a reduction of 21% in NOx levels before and after the School Street was implemented. Noting that the data from Earlsmead School was incomplete this month.

