

Air Pollution Comparison: East Los Angeles vs Pasadena

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BACKGROUND

AIR POLLUTION COMPARISON EXPERIMENT:

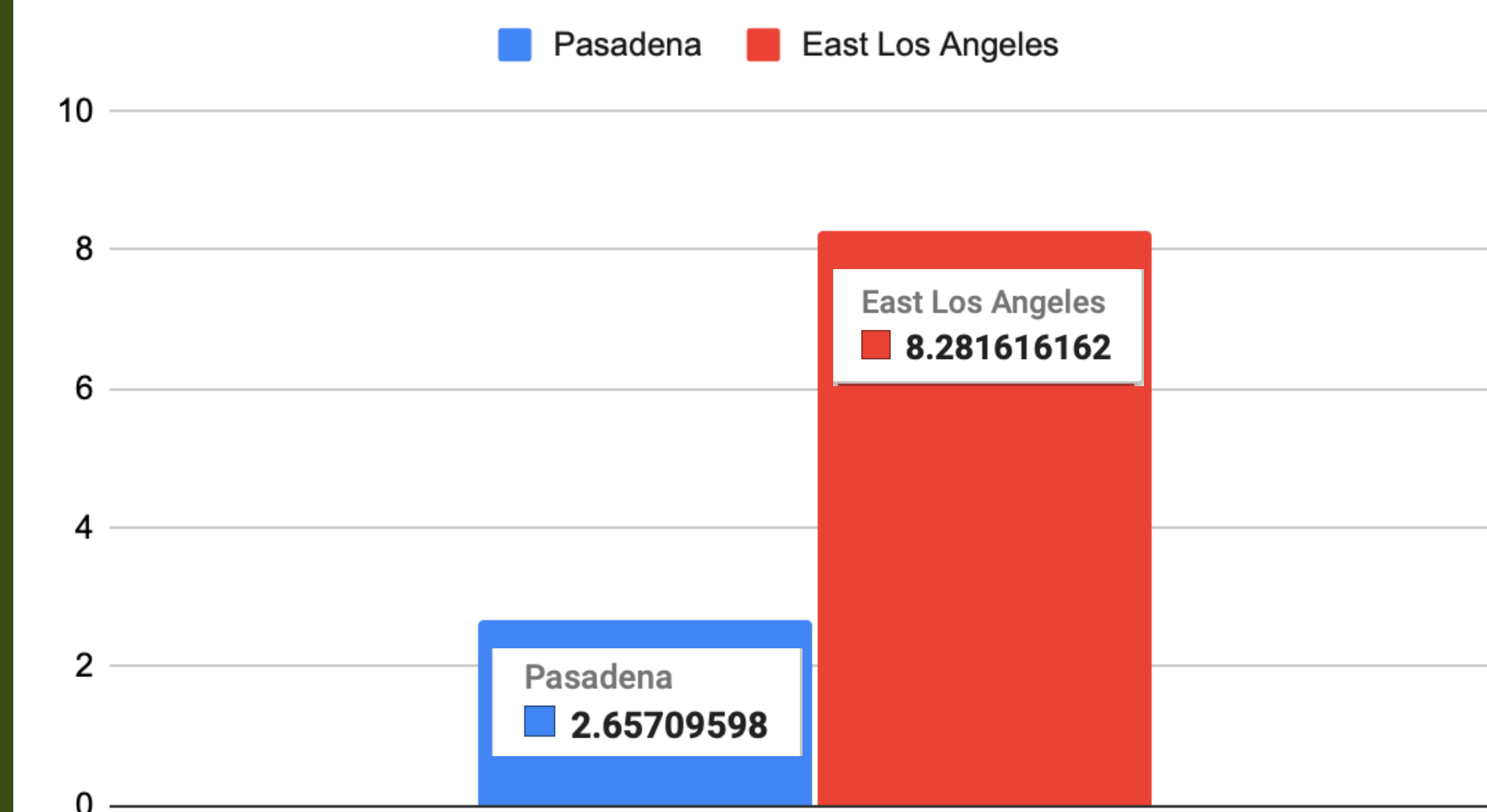
Throughout this data-collecting experiment, I conducted a 30-minute walk around my neighborhood and my high school neighborhood trying to determine which neighborhood had the worst air pollution data and the causes. The school I attend is a secluded neighborhood space surrounded by various green spaces, while I live in an overcrowded neighborhood with high chances of air pollution due to various nearby transportation systems and a lack of greenery.

DRIVING QUESTION:

How can the area of where you live affect your air quality of life?

DATA ANALYSIS

Average PM for both walks 2.5

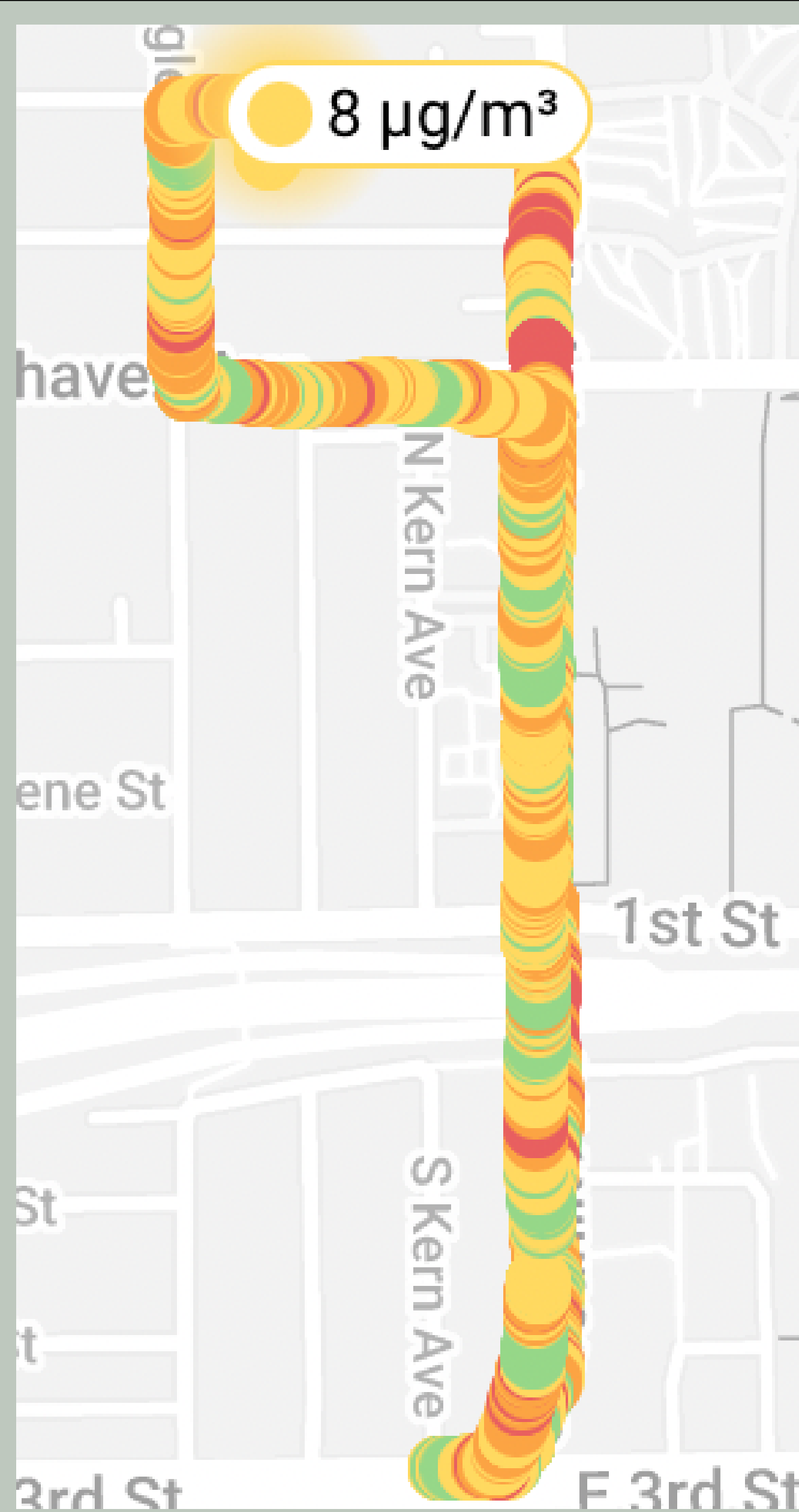


Background Info:

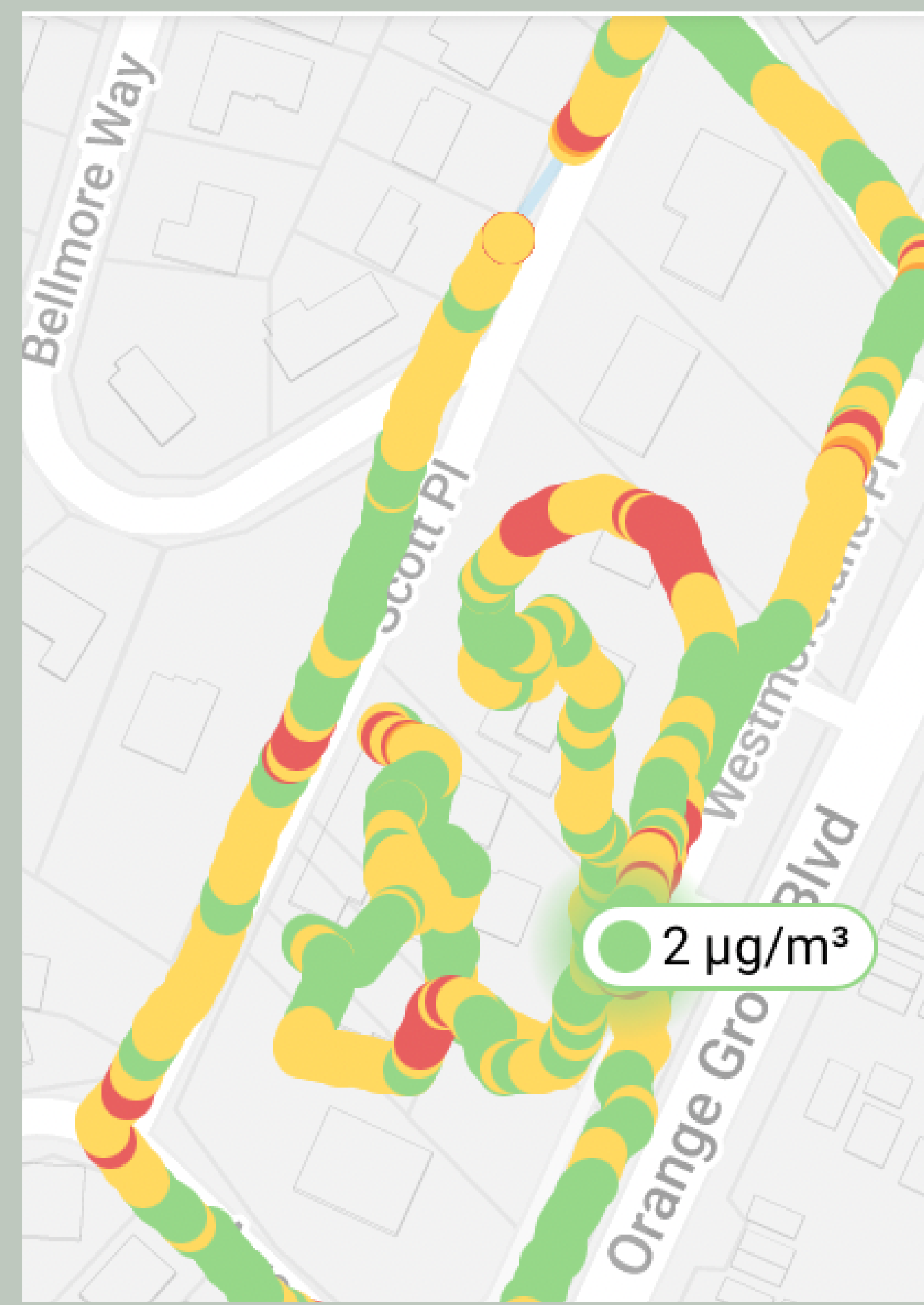
The average PM level for both of these walks conducted around my school and home neighborhood which was an average of 2.5 PM. Both of these walks were conducted around 6:30pm to prevent any variability between hours, weather, and physical caustations such as industrial facilities that can factor into the average PM level.

AIR BEAM DATA RESULTS

EAST LOS ANGELES



PASADENA



Observations, Results, and Conclusion:

According to the resulting factors of the walks conducted, the graph table and the airbeam data reports show that East Los Angeles clearly has worse air quality than Pasadena which isn't unexpected. A few notable qualities are the fact that my school which is located in Pasadena is surrounded and secluded by a wide range of greenery which keeps the air fresh, clean and healthy. It also isn't surrounded by various public transportation systems that can help pollute the air. On the other hand, my neighborhood located in East Los Angeles, has a metro system a few blocks away that passes frequently throughout the day, the lack of greenery is apparent in our neighborhood and local parks, and the various pollutants that come from overload of cars and freeways. After conducting the experiment, we can conclude that the area of where you live does affect your quality of life and we see this come into play throughout this experiment.

STEPPING FORWARD PLANS

After conducting this research project, it would be interesting to explore the further possibilities of expanding, if not adding, more greenery space to low-income neighborhoods where it is evidently needed to increase the lack of clean air. In order to achieve this, it's important to bring more awareness to the communities that are facing environmental injustice on a daily basis, like air pollution, that view these issues as a normality or something that they're forced to endure. As we move towards a greener future, we can take into consideration that the neighborhood where you live does, in fact, go hand in hand with your quality of life. While living in a well-off neighborhood provides clearer air, not everyone has access to this, therefore considered a privilege.

Methodology:

1. Air Monitoring Tools; Air Beam