

AB 617: SAN BERNARDINO / MUSCOY

CO-HOSTS:
ANGIE BALDERAS
DANIEL WONG

October 20, 2022

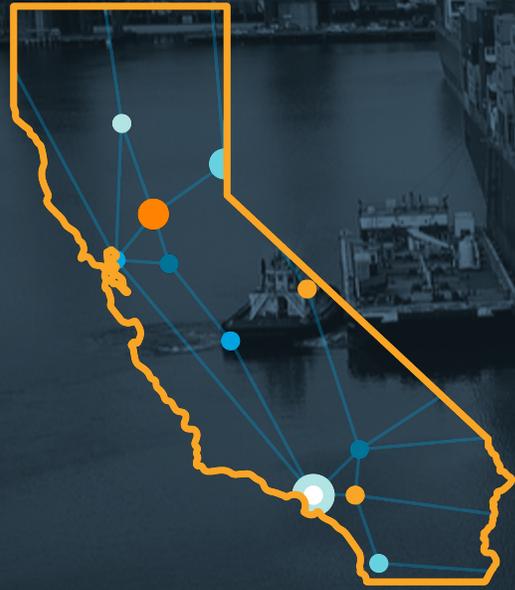
RESIDENT TESTIMONIAL / TESTIMONIO DE RESIDENTE

**Resident Testimonial: Angie Balderas /
Testimonio de residente: Angie Balderas**

CSC MEMBER “RE-INTRODUCTION”
INTRODUCCIÓN MIEMBRO DE CSC

Safe Routes to Schools Partnership
– Program Update

Los Programas de Rutas Escolares Seguras
- Programa Actualizado



2023 California Freight Mobility Plan

FREIGHT PLAN
California Freight
Mobility Plan





Did you know...

The San Pedro Bay Ports...

- One in nine jobs in L.A., Orange, Riverside, San Bernardino and Ventura counties are related to the ports of L.A. and Long Beach. And overall, the twin ports create 3 million jobs nationwide.
- Top 4 Imports include
 - Furniture
 - Apparel
 - Electronics
 - Plastics
- Combined moved roughly 19 million containers, or twenty foot equivalent units (TEUs) in 2021

Source:

<https://kentico.portoflosangeles.org/getmedia/c39cbb51-d52e-44bd-89c8-41eba408ab12/2021-facts-figures>

<https://polb.com/port-info/port-facts-faqs/#facts-at-a-glance>

Freight in our Communities

- Food
- Cars
- Medicine
- Vaccines
- PPE for Hospitals





Freight in our Communities

Communities, like yours, close to heavy freight industry activity are disproportionately impacted by freight through:

- **Emissions:** impacts include health problems such as asthma, cancer, and cardiovascular disease.
- **Congestion:** impacts include increased idling and emissions, reduced economic productivity, and increased fuel costs.
- **Noise:** impacts include hearing loss, sleep disruption, and interference with learning processes.
- **Parking:** Trucks parked in neighborhoods

In order to create a functioning freight system for all...
We need your help!



2023 CA Freight Mobility Plan

Vision: As the national gateway for international trade and domestic commerce, California exemplifies the world's most innovative, economically-competitive multimodal freight network that is efficient, reliable, modern, integrated, resilient, safe, and sustainable, where social and environmental impacts are considered equally.

The purpose of the plan is to:

- Propose a long-term vision, goals, and objectives for California's freight future;
- Identify the immediate and long-range planning activities and capital investments by the state with respect to freight movement;
- Reduce freight impacts to communities while maintaining California's economic competitiveness.



Why are we here?

Your input will help develop strategies that:

- Reduce freight impacts to communities (such as air and noise)
- Improve freight efficiency and competitiveness
- Create education programs that support the freight workforce
- Inform project nominations and funding

When poll is active, respond at pollev.com/freightplanning

Text **FREIGHTPLANNING** to **22333** once to join

Which of the following freight impacts do you experience in your community?

Truck traffic congestion

Truck parking on residential streets

Air pollution

Truck driver safety (sharing public roads)

Damaged road/pavement caused by trucks

Noise Pollution

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Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app

What other ways does freight affect your community?

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When poll is active, respond at pollev.com/freightplanning

Text **FREIGHTPLANNING** to **22333** once to join

What projects do you think should be a priority in your community?

Rail crossing safety projects

Air quality improvement

Freight job creation/ job training programs

Increase zero emission charging stations/infrastructure

Truck congestion relief

Truck parking

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**What other projects or improvements related to freight
would you like to see in your community?**

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Thank you

Riley Keller
Branch Chief, Freight Planning
Caltrans

Email: CFMP@dot.ca.gov

**COMMUNITY AIR MONITORING PLAN (CAMP) IMPLEMENTATION /
IMPLEMENTACIÓN DEL PLAN COMUNITARIOS DE MONITOREO DEL AIRE (CAMP)**

**Community Air Monitoring Plan (CAMP) Implementation /
Implementación del Plan Comunitarios de Monitoreo del Aire
(CAMP)**

San Bernardino, Muscoy

Community Air Quality Final Report-Out

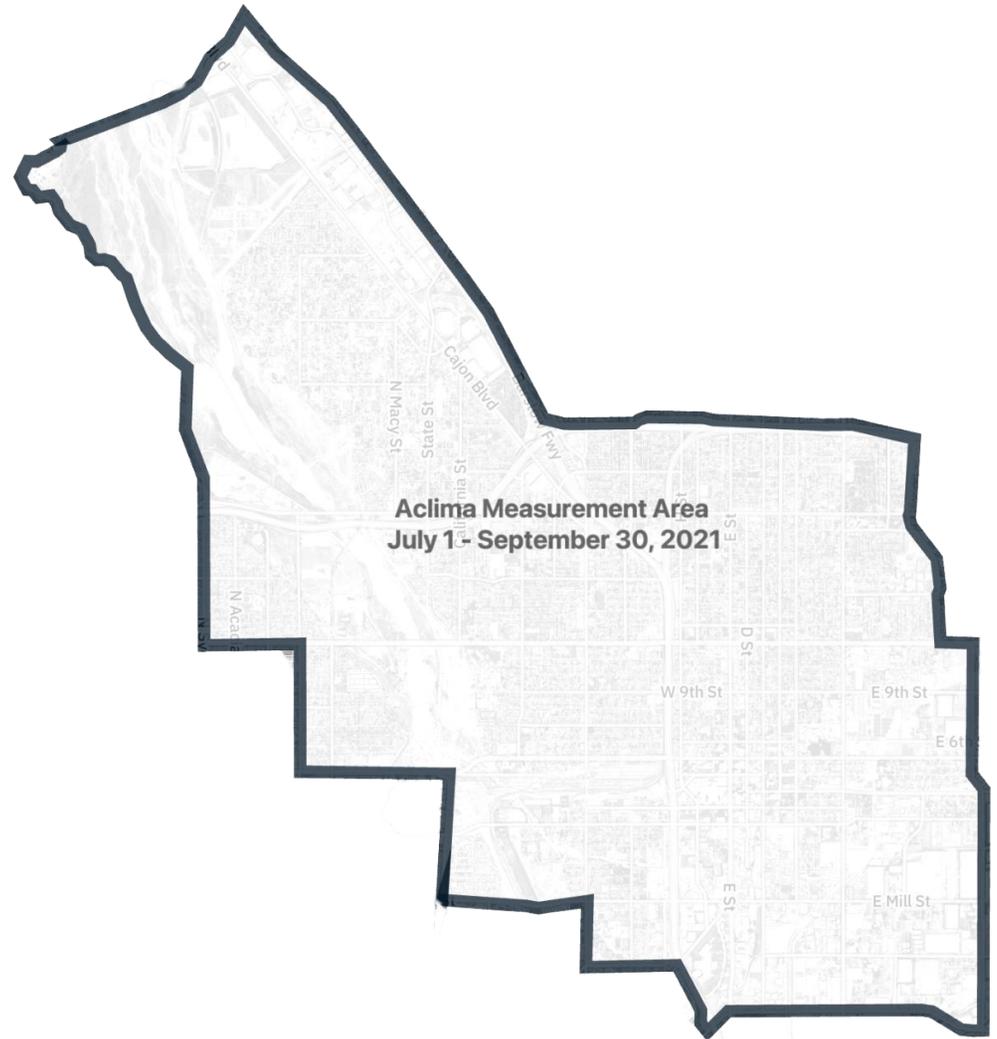
October 2022

Online Report: aq.aclima.io/ca/sbm

Overview

Aclima deployed its fleet of vehicles driven by local community members to measure air pollution on each block repeatedly from **July through September, 2021** to calculate average pollution levels throughout the community.

We looked at carbon monoxide (**CO**), carbon dioxide (**CO₂**), nitrogen dioxide (**NO₂**), ozone (**O₃**), methane (**CH₄**), fine particulate matter (**PM_{2.5}**), and black carbon (**BC**) levels. We analyzed nearly 21 million data points based on these pollutants and discovered patterns and areas with elevated air pollutant levels.

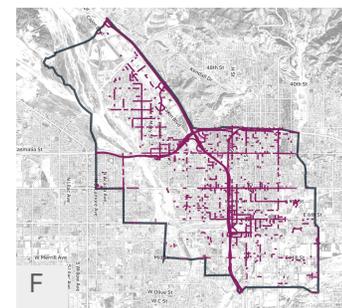
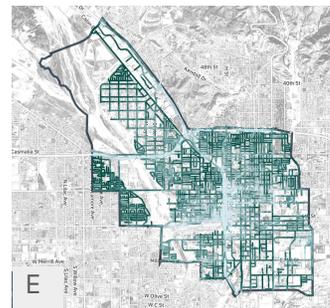
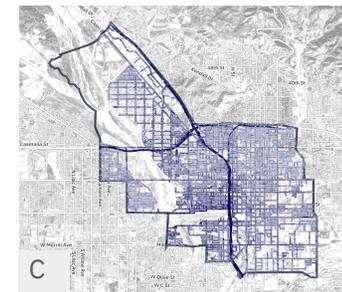
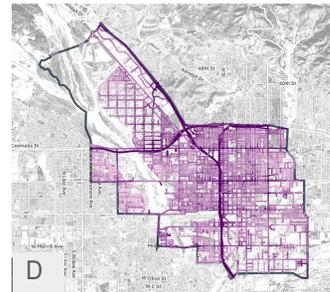
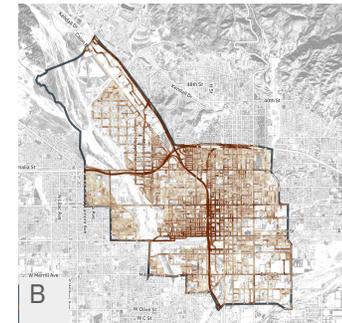
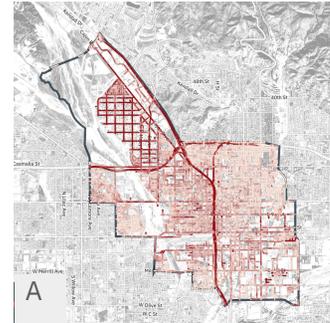


Representative Air Quality Measurements

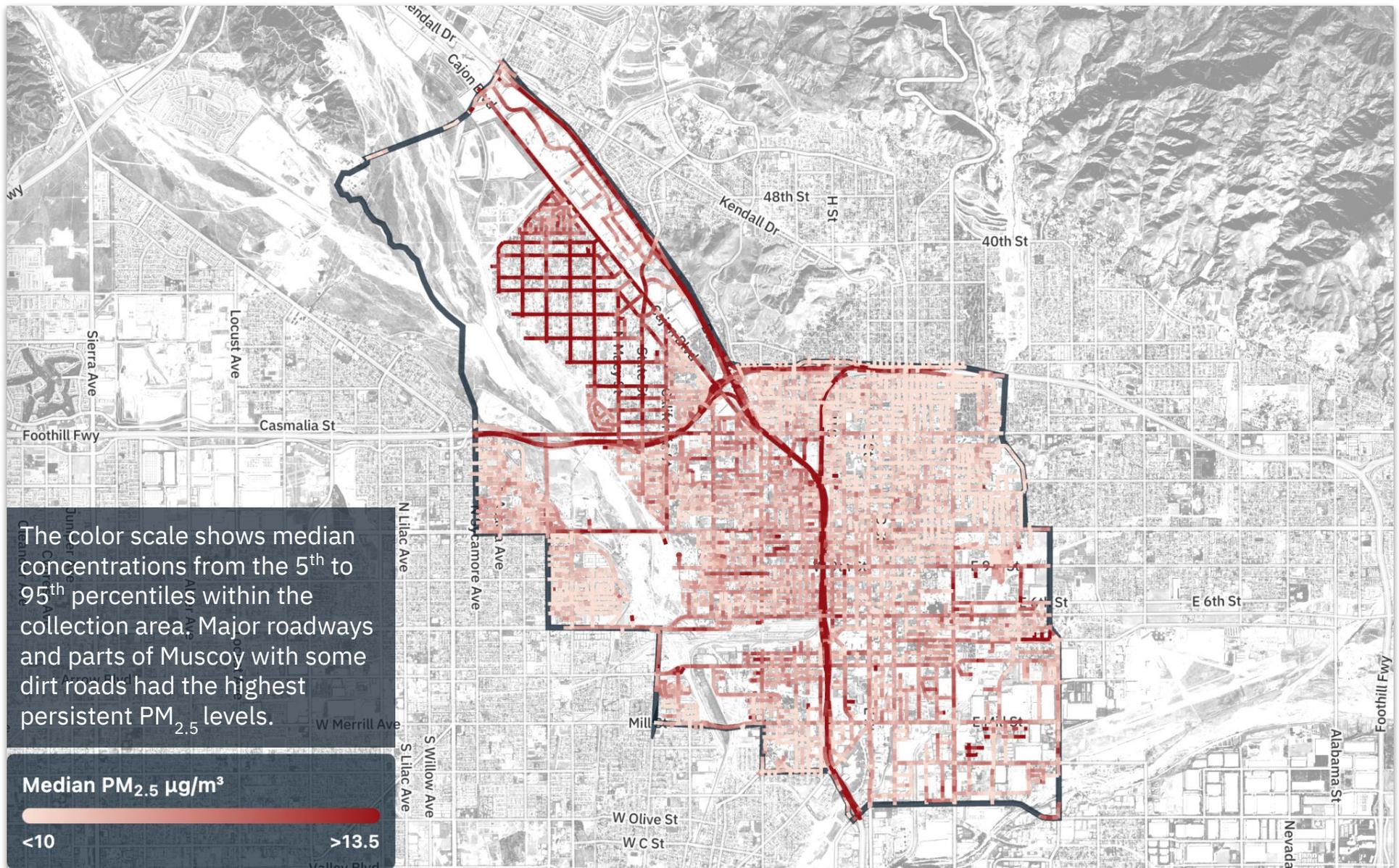
Each block was measured over 20 times (often well over 20 times), for representative air quality at a given location during the measurement period. This data can help people better assess potential exposure where they live, work, and play.

- A. Fine Particulate Matter
- B. Nitrogen Dioxide
- C. Black Carbon
- D. Carbon Monoxide
- E. Ozone
- F. Carbon Dioxide

The strongest winds during the period were between 7-10 mph. They were most prevalent in the morning, and came most often from the south and southwest.

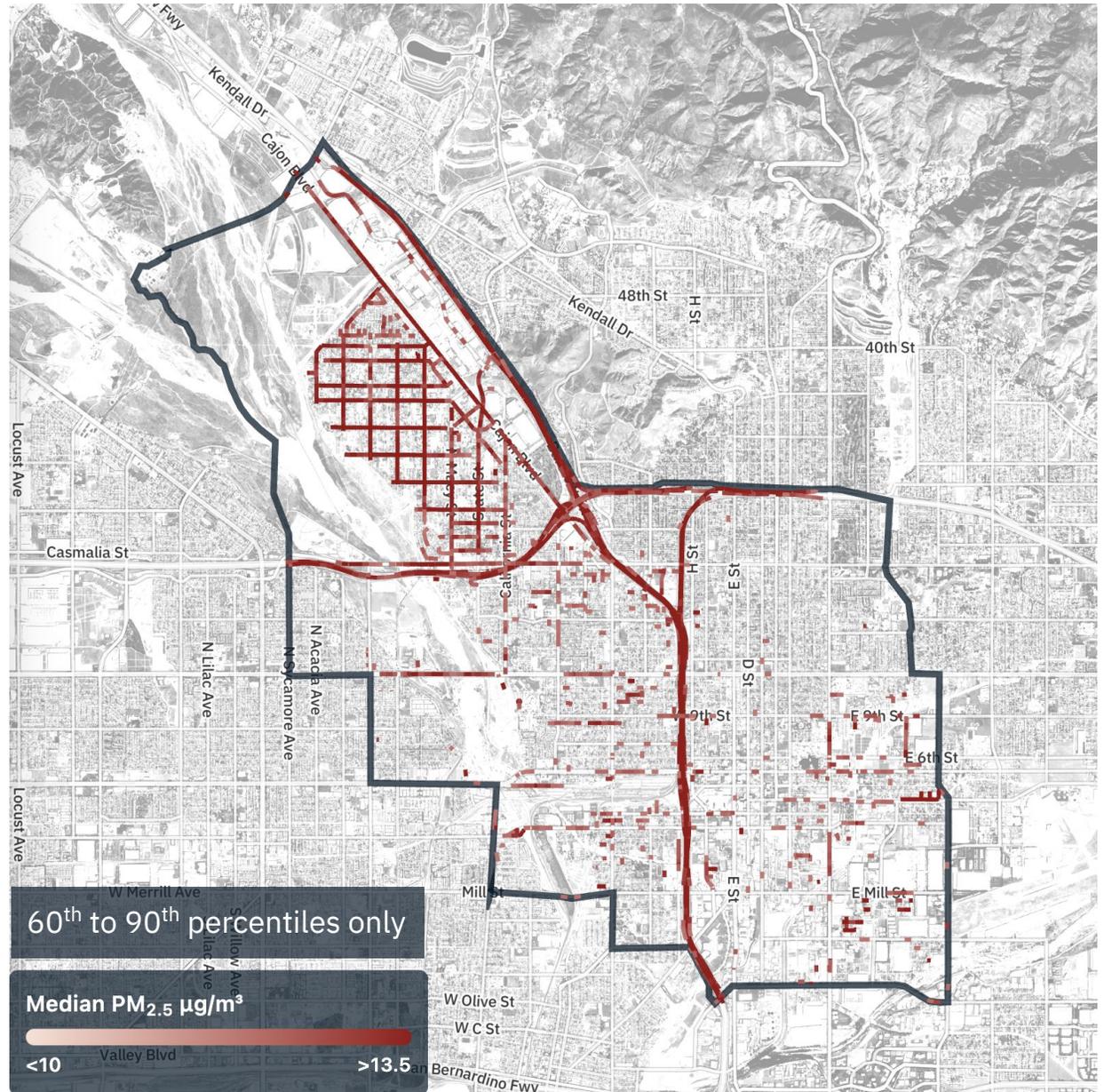


Deep Dive: Fine Particulate Matter (PM_{2.5})



PM_{2.5} Areas of Concern

PM_{2.5} is emitted directly from natural sources, such as windblown dust, and man-made sources, such as vehicles and industry, and it also can be formed by chemical reactions in the atmosphere. **All major roadways and virtually all of Muscoy showed consistently higher PM_{2.5} values compared to the rest of the SBM area.** Therefore, key infrastructure like schools located in close proximity to these likely sources could be prioritized for HVAC improvements and other mitigation measures.

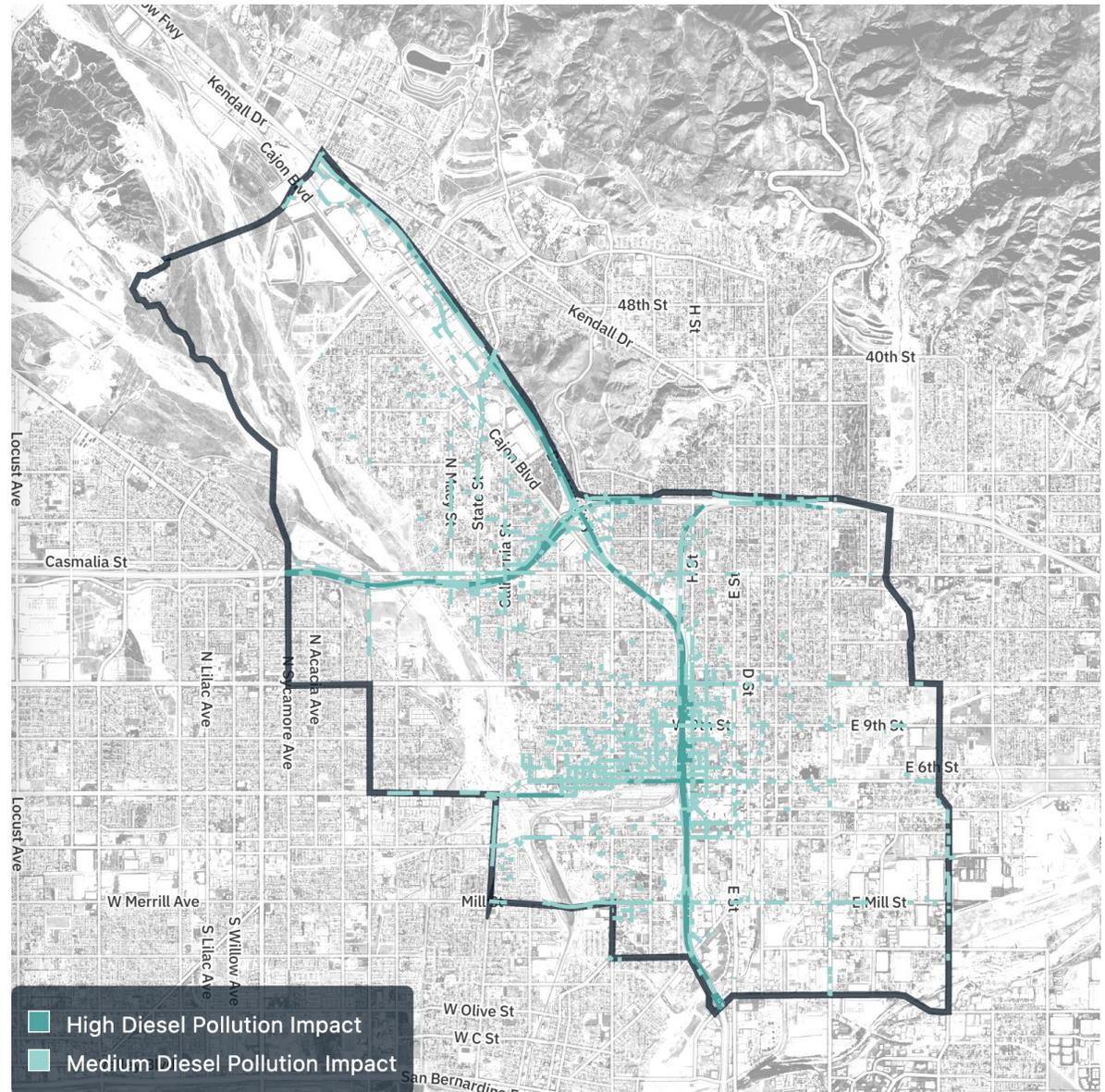


Diesel Pollution Indicator

The Diesel Pollution Indicator (DPI) identifies diesel emissions by combining nitrogen dioxide (NO₂) and black carbon (BC), a component of PM_{2.5}.

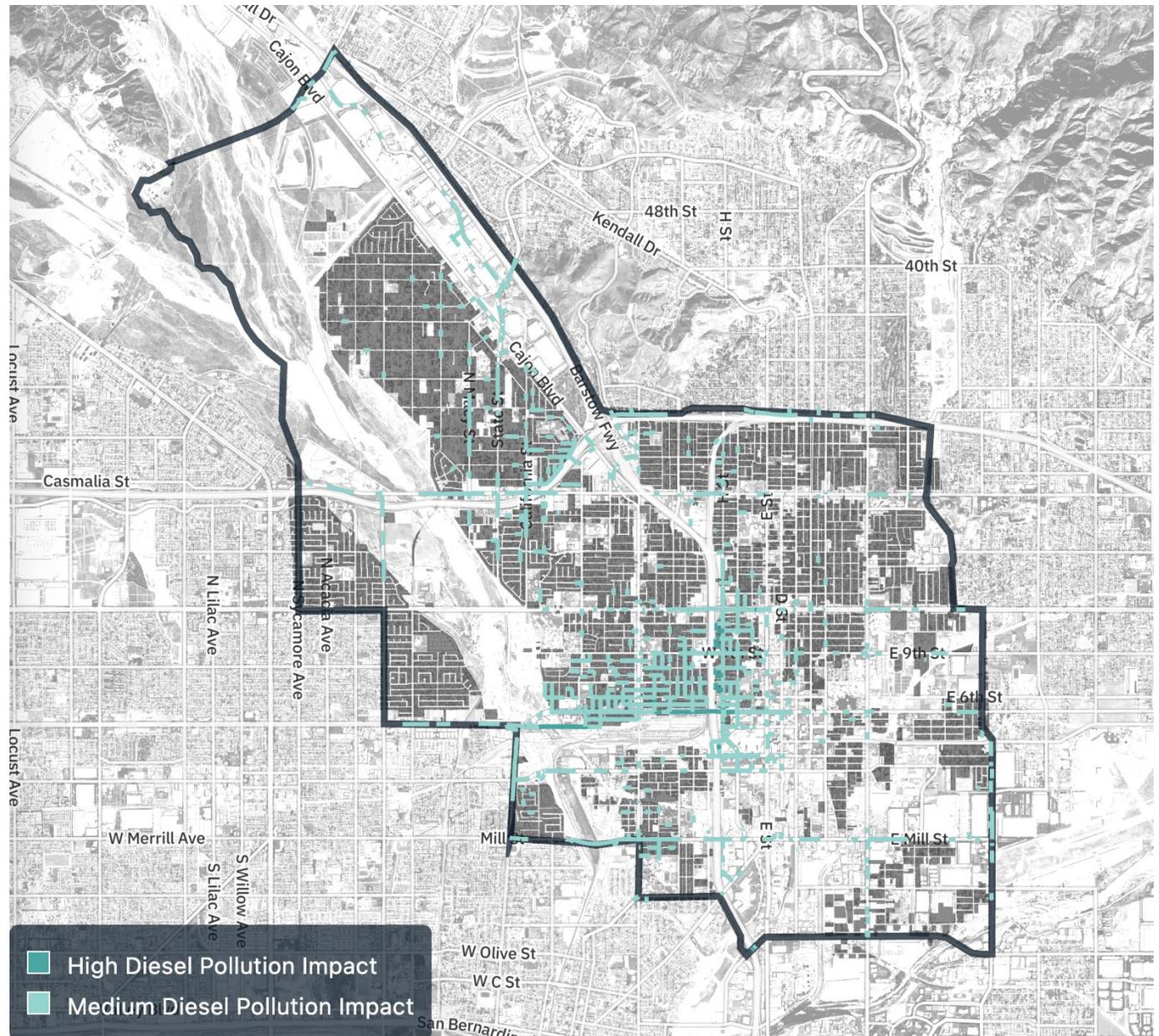
These impacts were highest along the two major freeways in the community (I-210 and I-215) and in the areas around Nuñez Park, West 5th, and West 6th Streets. This area is primarily residential with several schools and some of the highest Sensitive Populations Indices.

“High” ≥ 90th percentile
“Medium” ≥ 60th percentile

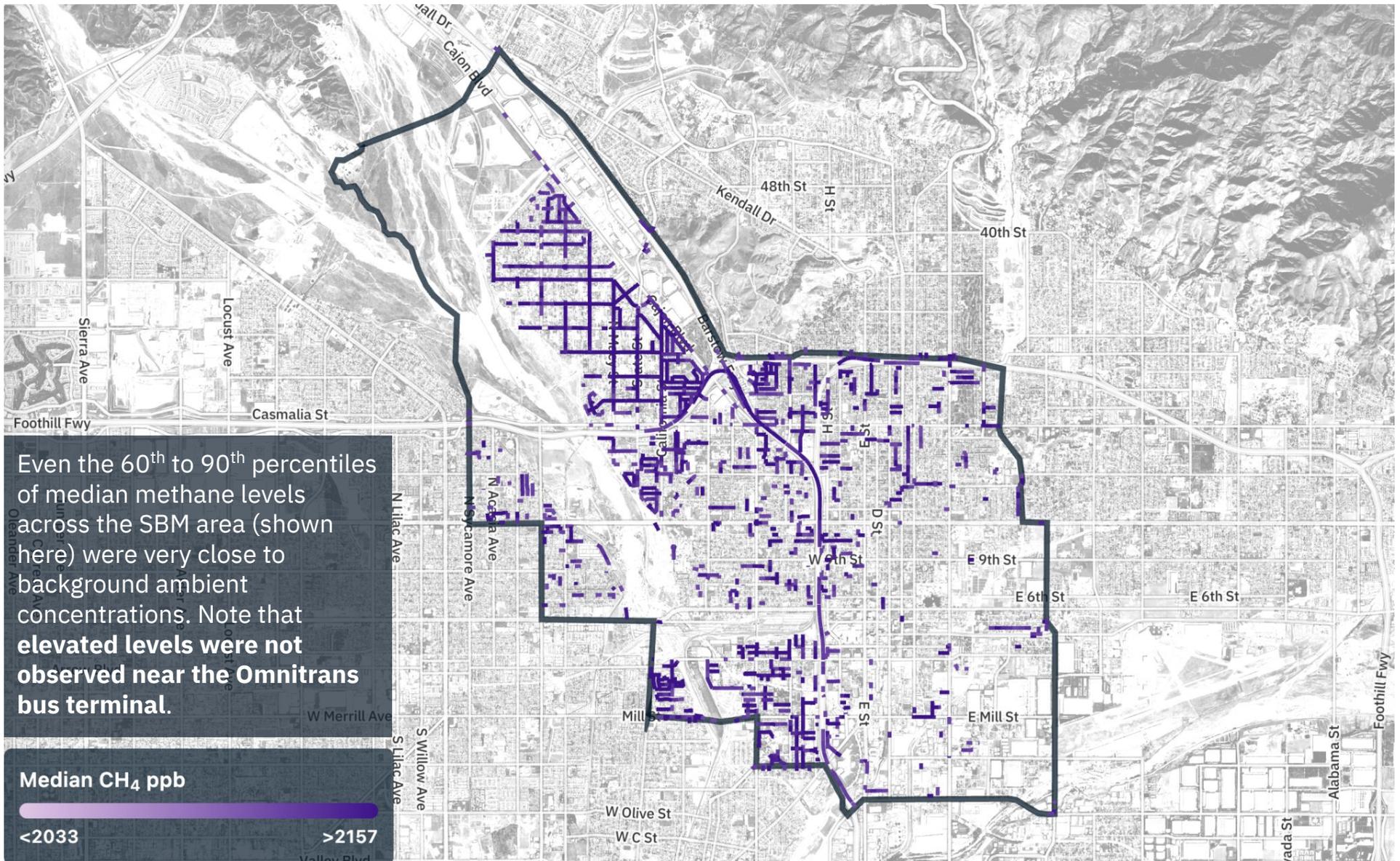


Diesel Pollution in Residential Zoning

Since winds were consistently blowing from the southwest and south, we can infer that residential areas downwind (north and north east) of the BNSF railyard and major freeways may experience higher diesel pollution than areas farther away from these sources.



Methane: Median + Leak Detection



Summary of Key Takeaways

Sites located near major roads and freeways were found to have the highest concentrations (>90th percentile) of most pollutants, including diesel pollution. People sheltering near freeways are highly exposed.

In addition, smaller residential residential streets in **the area downwind of the major BNSF railyard was found to have higher than average (>60th percentile) diesel pollution concentrations**, suggesting that this area is impacted by sources like heavy-duty trucks, train locomotives, and drayage trucks. Some **residential streets in Muscoy north of the 210 freeway** also showed increased impacts from diesel exhaust.

The highest **non-diesel traffic impacts within residential areas were found to be on W 5th Street, G/H Streets, W Baseline Street, W Highland Avenue, and the far southeast corner of the SBM area** where a number of warehouses are located. This area also exhibited diesel exhaust impacts.

Methane levels near Omnitrans were no higher than levels recorded on many segments in other areas in SBM. Overall, methane levels across the area were relatively consistent, with the exception of one natural gas leak discovered near an industrial facility that was reported to the Air District and quickly addressed.

Thank you.

View the interactive report online at:
aq.aclima.io/ca/sbm

Got Feedback?

To contact us, email scott.andrews@aclima.io, or visit our website at www.aclima.io to learn more.

 **aclima.**

**FUTURE AGENDA ITEMS & CSC MEMBER UPDATES /
TEMAS PARA LA PRÓXIMA REUNIÓN Y ACTUALIZACIONES DE MIEMBROS DEL CSC**

**Future Agenda Items & CSC Member Updates /
Temas para la próxima reunión y
Actualizaciones de miembros del CSC**

PUBLIC COMMENT / COMENTARIO PÚBLICO

AB617comments@aqmd.gov

*9 Raise Hand / Levantar La Mano

*6 Unmute / Activar El Sonido

THANK YOU / GRACIAS

**For more information, questions, or suggestions after this meeting:
Para más información, preguntas o sugerencias después de esta reunión:**

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2023 Meeting Schedule:TBD

<https://aqmd.gov/AB617/SBM>