



West Oakland
Environmental
Indicators
Project

WOCAP Steering Committee – Data Dashboards

May 6, 2026

Content

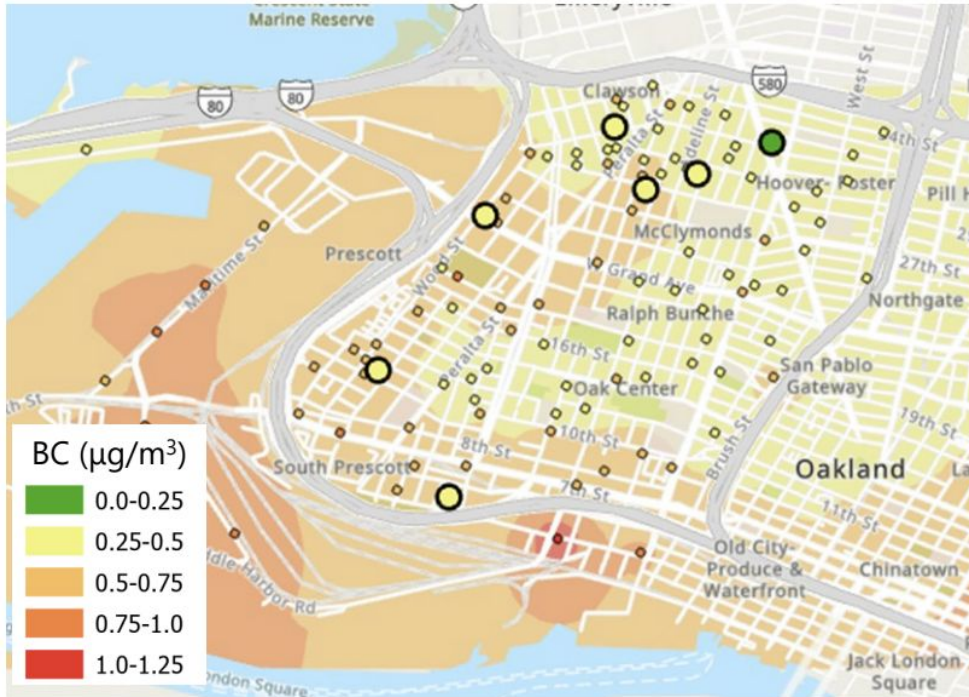
- 1 Welcome
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- 4 Data Portal
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April Meeting – Working Session

Black carbon measurements – 2024, 2025

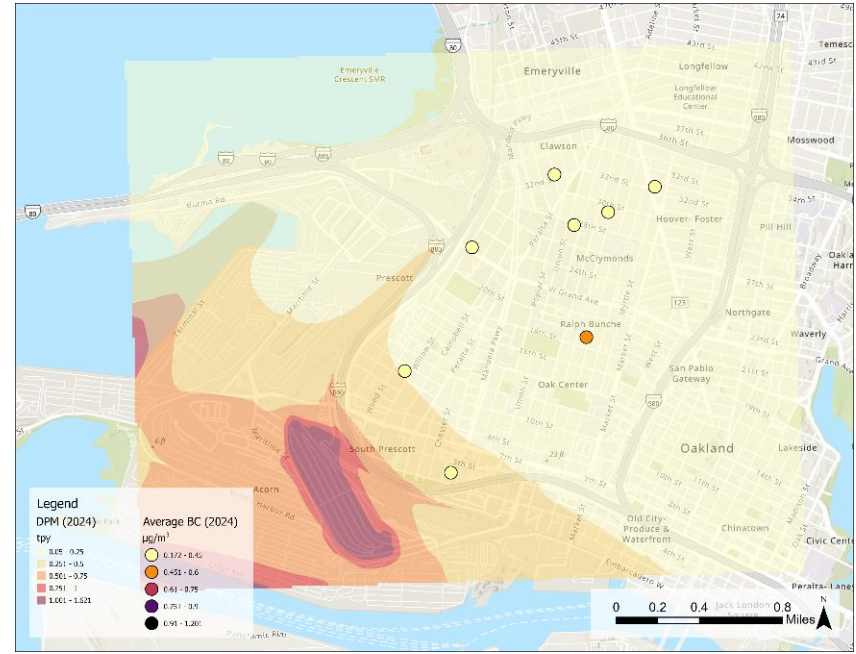
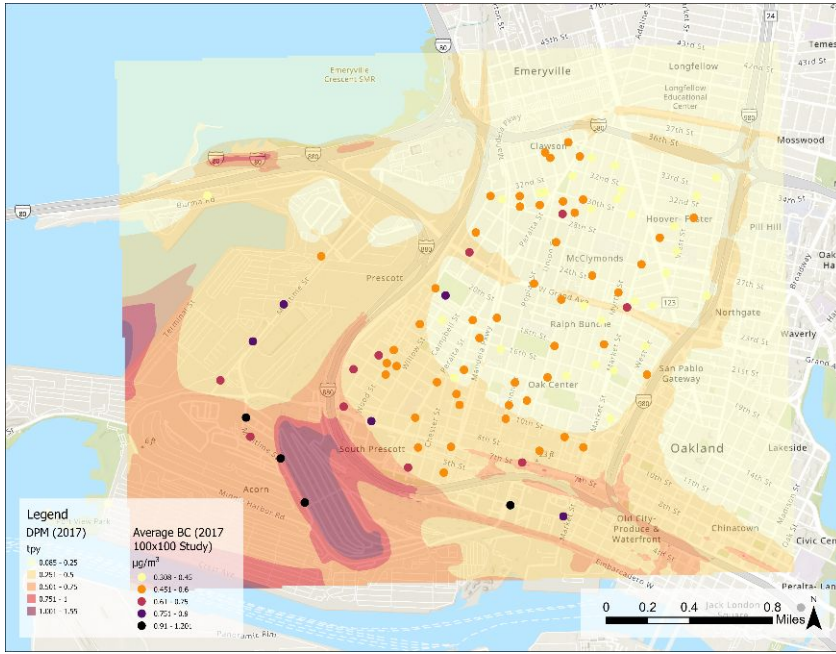
Case study: comparison to 2017 measurements



- 2017 Measurements (May-Aug)
 - Points are measurements, gradient is inverse distance weighted concentrations
- 2024 and 2025 Measurements (June-August)
 - Lower concentrations than in 2017 at all sites
 - Modest gradient within West Oakland similar to 2017

BC Monitoring

2017 and 2024 measurements and comparison to DPM emissions



Story Map – West Oakland Data

Why we're here

AB 617 West Oakland Community Action Plan (WOCAP)

WOCAP focus:

- Reducing air pollution
- Protecting community health
- Holding agencies and polluters accountable



Purpose

- Communicate the emissions experienced in West Oakland
- Explain how to use and interpret the data
- Improve where we can
- Support resident led advocacy



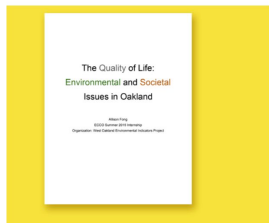
Quality of life and community resilience



2002 report by the Pacific Institute with Jeremy Hays, Clara Landeiro, and Jane Rongerude

Neighborhood Knowledge for Change

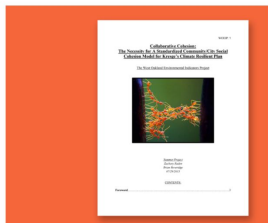
The genesis of the West Oakland Environmental Indicators Project, this



2015 report by Allison Fong

The Quality of Life: Environmental and Societal Issues in Oakland

What are the most important issues to Oakland residents and how does that



2015 report by Zachary Raden and Brian Beveridge

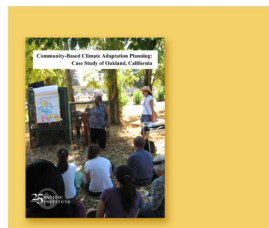
Collaborative Cohesion: The Necessity for a Standardized Community/City Social Cohesion Model for Kresge's Climate Resilient Plan



West Oakland Environmental Indicators Project

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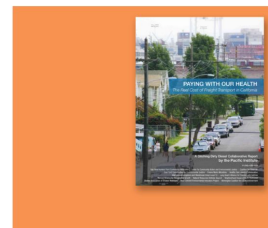
Health and environment



2012 report by the Pacific Institute

Community-Based Climate Adaptation Planning: Case Study of Oakland, California

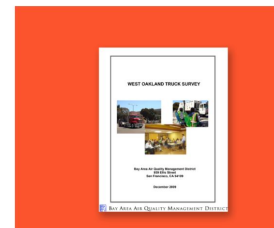
Here, we provide a detailed analysis of climate impacts, vulnerabilities, and adaptation options in a major



2006 report by the Pacific Institute

Paying with Our Health: The Real Cost of Freight Transport in California

In this report we show that pollution from freight transport severely burdens Californians, especially the



2009 study by Virginia Lau, Philip Martien PhD, and David Fairley, PhD

West Oakland Truck Survey

This study was initiated to address uncertainties raised in the Health Risk Assessment (HRA) conducted by the California Air Resources Board (CARB) in 2008 to assess health risks from



Story Maps

Interactive Tools

- Maps
- Data visualization
- Photos
- Narratives
- How to participate in this information

Why it Matters

- Community Power
- Explore pollution patterns by location
- Understand exposure hotspots
- Advocacy and Policy change



Can help answer questions

Where are the highest pollution levels?

Who is most impacted?

How has air quality changed over time?

What sources are contributing?



These story maps are not...

- The final word
- A replacement for community voice
- Designed for only experts to understand the content
- A standalone decision-making tool

Our ultimate objective in learning about anything is to try to create and develop a more just society." Yuri Kochiyama



Key Pollutants



BLACK CARBON

Linked to diesel trucks, Port activities

- Linked to asthma and heart disease

METALS

- Linked to industrial and freight sources – metal smelting
- Toxic with long-term exposure

Discussion

What stands out to
you in the maps?



Are there locations or
issues that need
more attention?



What would make
this tool more
useful?



How would you use
this in your
community work?



Supports WOCAP goals:

- Reduce diesel emissions
- Improve air quality monitoring
- Strengthen enforcement

Helps track:

- Pollution hotspots
- Progress (or lack of progress)



Discussion

Open Forum

What's coming later this month

Detailed directions on how to use the maps

Official stationary source emissions data

Data repository to access all air quality data associated with the StoryMap

Community Data Launch Event on May 28th!



Port 101

Ditching dirty diesel



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Thank you.



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