

The **Environmental** **Indicators** of West Oakland

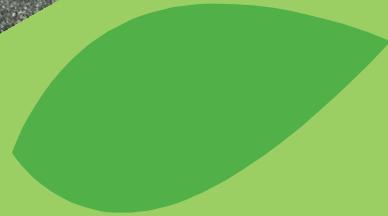
An Overview by WOEIP

Sponsored by a CalEPA Small Grant

West Oakland Environmental Indicators Project



Ms. Margaret Gordon
Brian Beveridge



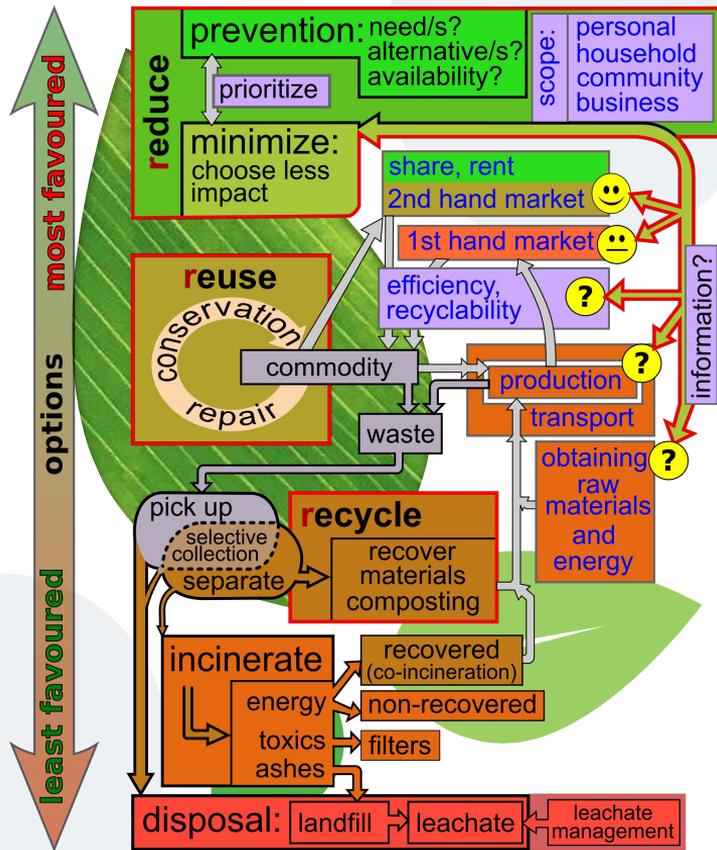
Phoenix Armenta



Community Air Liaison for to the West
Oakland Environmental Indicators Project

Climate Justice Educator for the Mycelium
Youth Network.

Map Enthusiast!



Our Mission

- Increase environmental justice, public health, air quality and land-use awareness
- Encourage environmental justice education and solutions to problems facing West Oakland residents who bear the brunt of disproportionate exposure
- Provide motivational leadership development to West Oakland residents
- Inform the neighborhood of advocacy tools, help set priorities, foster political education, and make research and data available

AIR POLLUTION – THE SILENT KILLER



Every year, around **7 MILLION DEATHS** are due to exposure from both outdoor and household air pollution.

Air pollution is a major environmental risk to health. By reducing air pollution levels, countries can reduce:



Stroke



Heart disease



Lung cancer, and both chronic and acute respiratory diseases, including asthma

REGIONAL ESTIMATES ACCORDING TO WHO REGIONAL GROUPINGS:



Over 2 million
in South-East Asia Region

Over 2 million
in Western Pacific Region

Nearly 1 million
in Africa Region

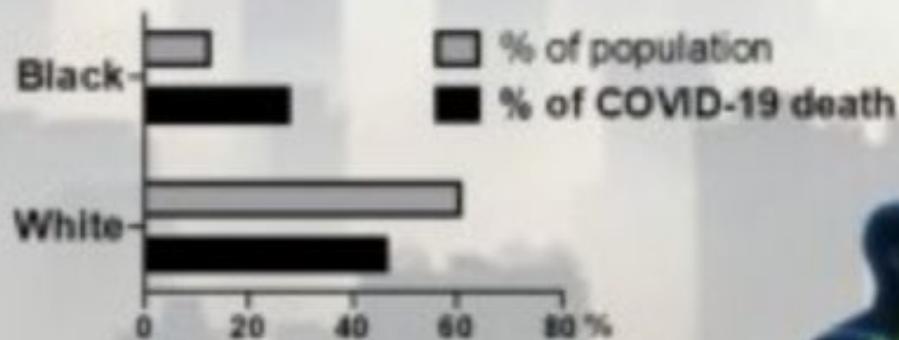
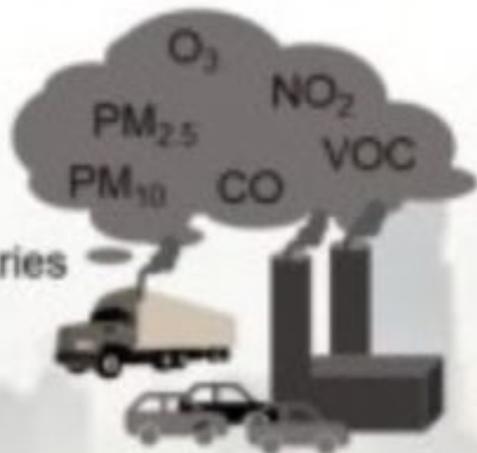
About 500 000
deaths in Eastern Mediterranean Region

About 500 000
deaths in European Region

More than 300 000
in the Region of the Americas

Racial minority populations

- Live in densely populated cities & neighborhoods
- Live near highways/polluting industries
- They are hospitalized and die from COVID-19 more than whites.

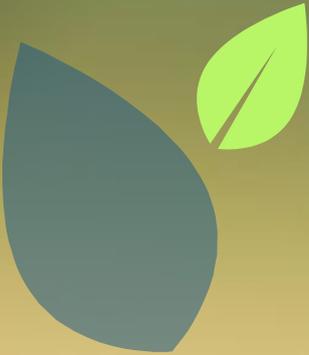


- Racial disparities in housing, employment and access to health care are contributing to **increased COVID-19 mortality.**

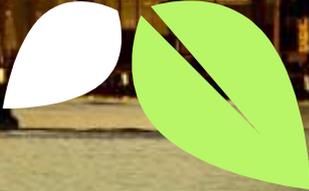


COVID-19 risk factors

- Age (older than 65; live in a nursing home)
- Sex (male)
- Obesity (BMI >30)
- Diabetes
- Heart conditions
- Hypertension
- Immuno-compromised
 - Cancer
- Kidney disease
- Liver disease
- Chronic lung disease
 - COPD (smoking)
 - Severe asthma
- Racial minorities are more likely to suffer from these comorbidities



History of West Oakland

- **Heavy industrial pollution from port and associated activities**
 - **Cypress Freeway divided neighborhood**
 - **Lack of grocery store for decades**
 - **Neighborhood starved of resources**
 - **Chronic unemployment**
- 

West Oakland Community Action Plan-AB 617

- 89 Strategies for improving West Oakland Air Quality.
- Land Use, Mobile Sources, Stationary Sources, and Health Programs.
- 4 Sub-Committees focus on best strategies to follow.
- Contact J Howard of WOEIP for ways to get involved.

jhoward.woeip.org



OWNING OUR AIR

The West Oakland Community Action Plan – **Volume 1: The Plan**

October 2019

A joint project of the Bay Area Air Quality Management District and West Oakland Environmental Indicators Project



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**



**West Oakland
Environmental
Indicators Project**
know which way the wind blows

Maps!

Whose land are we on? <https://native-land.ca>

Redlining Maps <https://joshbegley.com/redlining/oakland>

Air Quality <https://www2.purpleair.com>

Calenviroscreen <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>

Toxic Sites <https://www.envirostor.dtsc.ca.gov/public/>

Sea Level Rise <https://explorer.adaptingtorisingtides.org/explorer>

Illegal Dumping <http://www2.oaklandnet.com/government/o/PWA/o/FE/s/IDR/index.htm>

Oakland Neighborhoods <https://oaklandwiki.org>

Whose Land Are We On?

Native Land   

[We're Hiring!](#) [About Us](#) [Media](#) [How To Contribute](#) [Resources](#) [Support Us](#) [Contact](#) [Language](#)

Territories Languages Treaties

Search your address, or toggle switches above to add shapes. Click around! [Think critically about this map](#)

Q Oakland, California, United States 

Territories 

Languages 

Treaties 

Contact local nations to verify:

- [Ohlone](#) ↗
- [Muwekma](#) ↗
- [Chochenyo](#) ↗

Graton Rancheria

Me-Wuk (Coast Miwok)

Karkin

Me-Wuk (Bay Miwok)

Chochenyo

Muwekma

Ramaytush

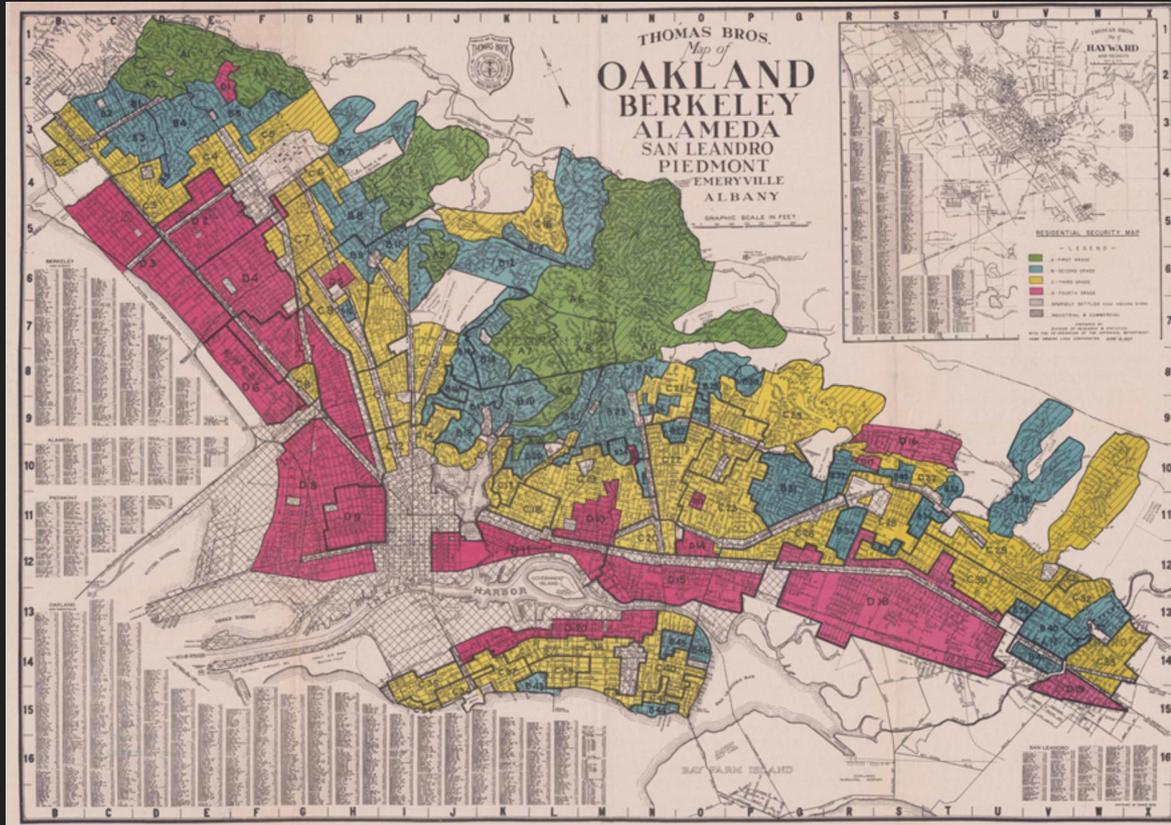
Tamyen

Ohlone

Export Map Colors Labels

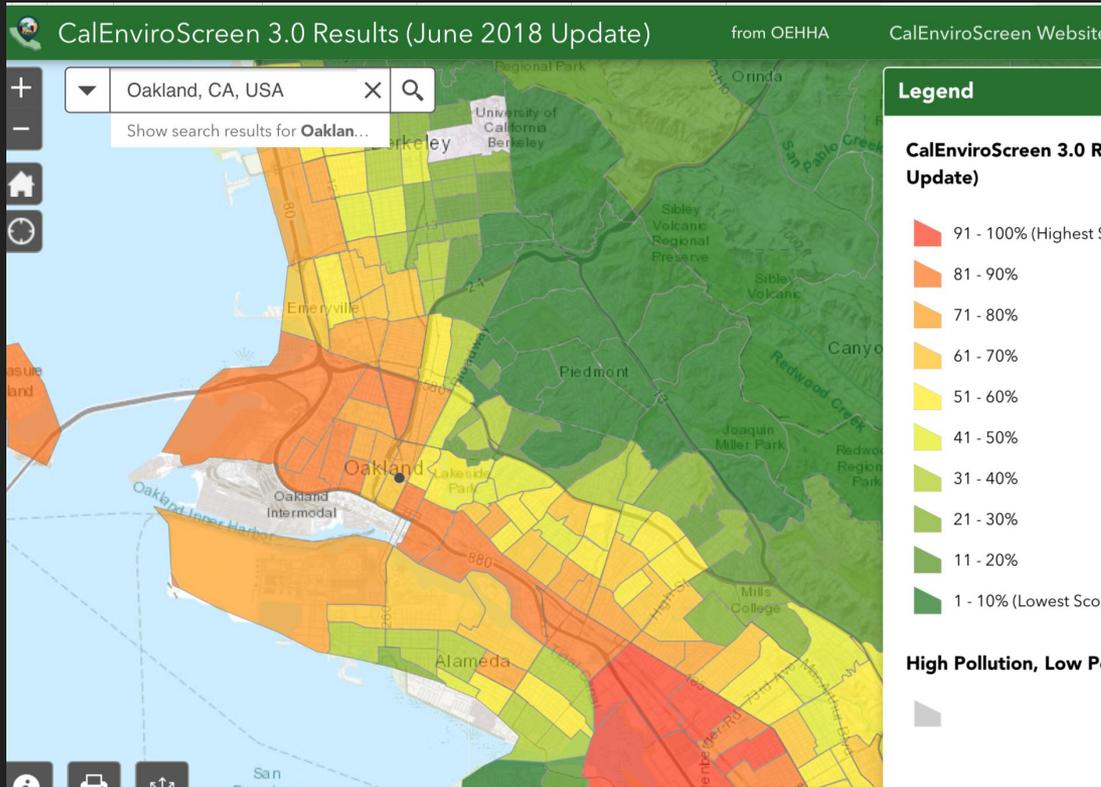
© Mapbox © OpenStreetMap

History of Redlining - Map from 1930's



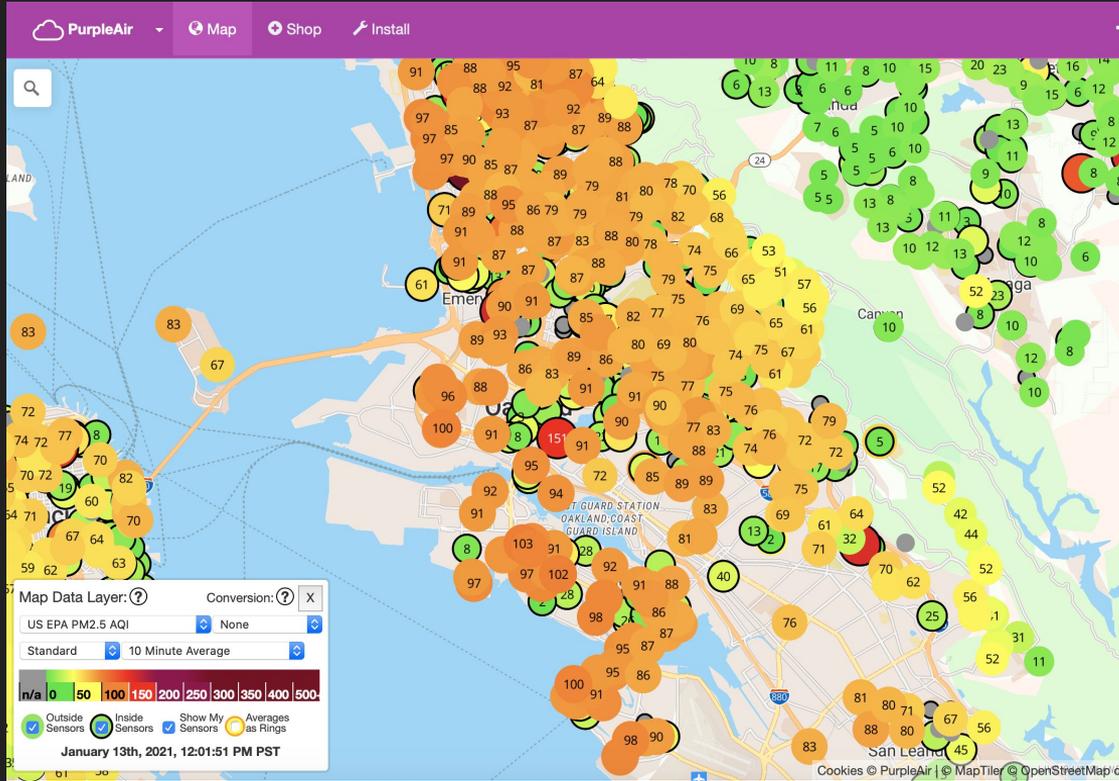
<https://joshbegley.com/redlining/oakland>

CalEnviroScreen-Environmental Burden



<https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>

Air Quality-Purple Air



<https://www2.purpleair.com>

The Air District-AB 617

A 2008 California Air Resources Board (CARB) health risk assessment [PDF] found that West Oakland residents are exposed to air concentrations of diesel pollution that are almost three times higher than average background levels in the Bay Area, and that 71 percent of air pollution risk was attributable to truck traffic.

Owning Our Air: The West Oakland Community Action Plan

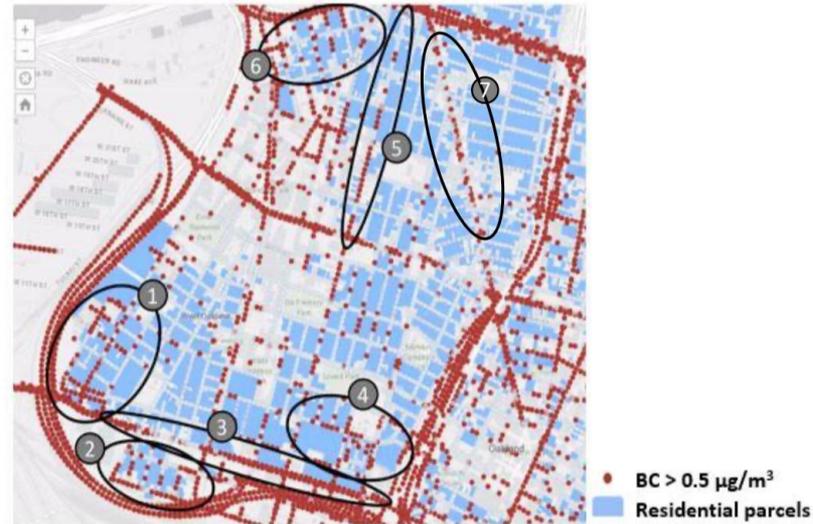
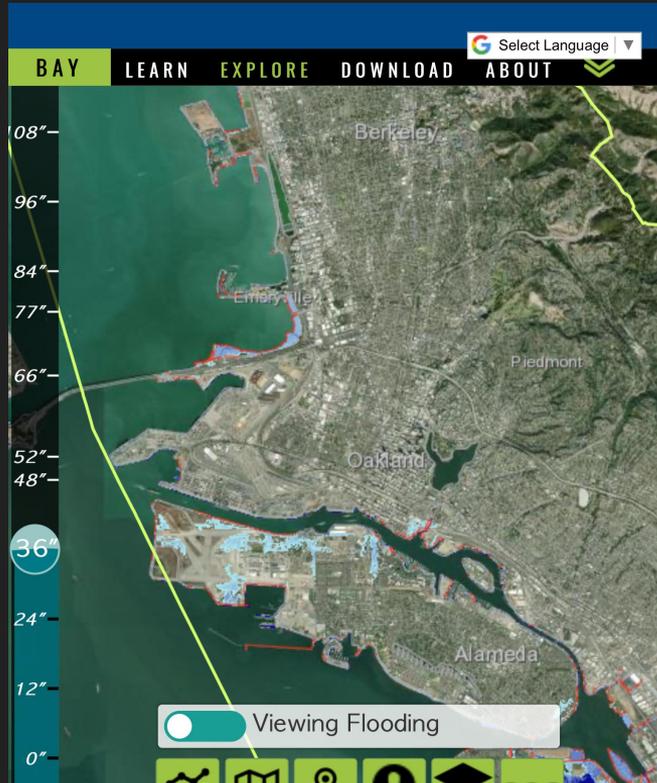


Figure 4-2. West Oakland Neighborhood Zones and areas with high measured levels of black carbon

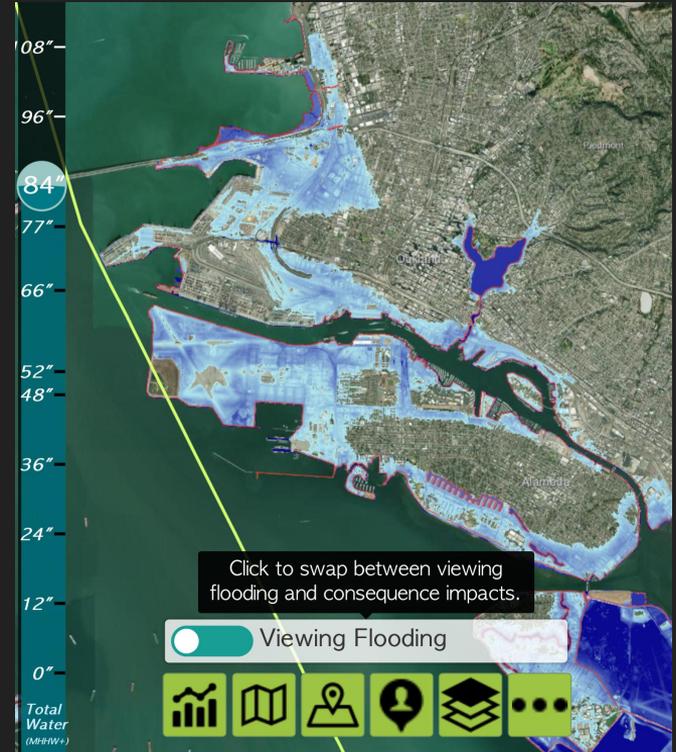
Bay Coastal Development Commission

<https://explorer.adaptingtorisingtides.org/explorer>

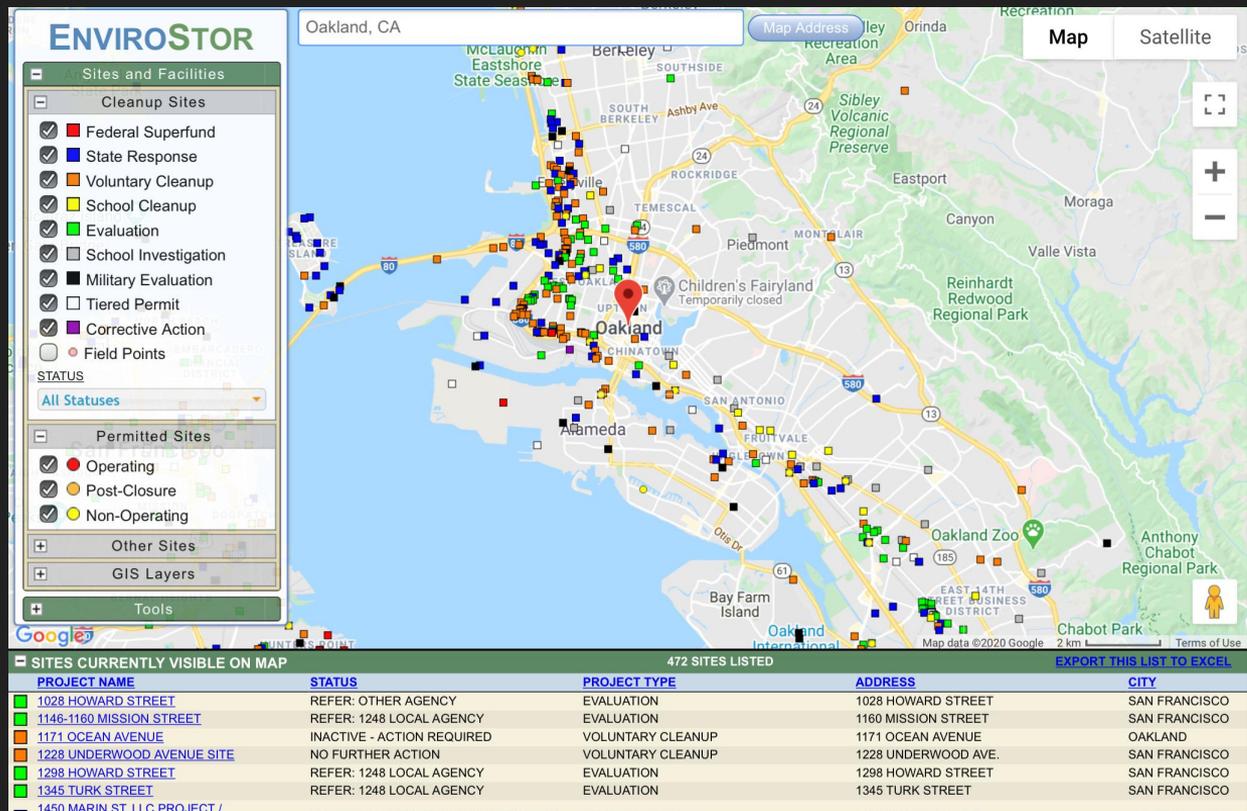
3 ft.



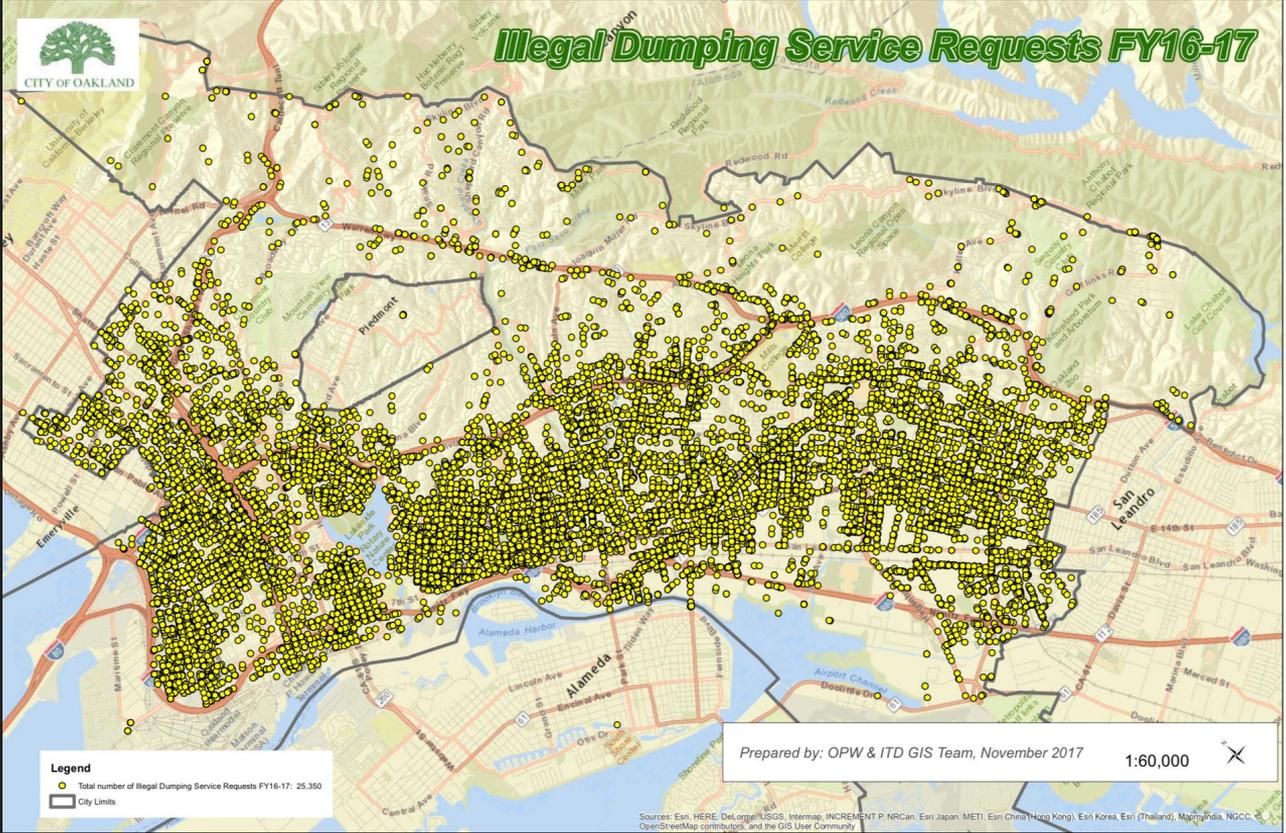
7 ft.



Department of Toxic Substance Control (DTSC)-Toxic Sites



<https://www.envirostor.dtsc.ca.gov/public/>



What is being done for West Oakland?

- The West Oakland Community Action Plan-AB 617
- West Oakland Specific Plan
- Equitable Climate Action Plan
- Truck Management Plan
- BayAdapt/Oakland Shoreline Leadership Academy
- Port Management Plan
- BayAdapt Regional Sea Level Rise Planning

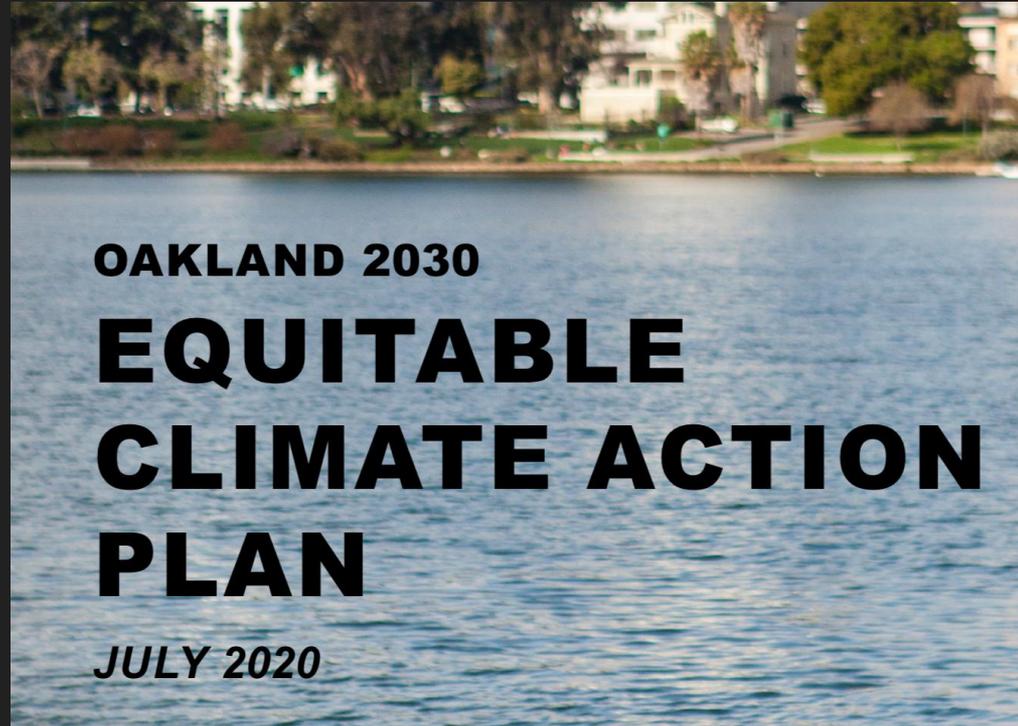
BayAdapt

- BAY ADAPT is an initiative to establish regional agreement on the actions necessary to protect our people and the natural and built environment from rising sea levels.
- For more information about how to engage contact Nahal Ghoghaie at nahal.ghoghaie@bccdc.ca.gov



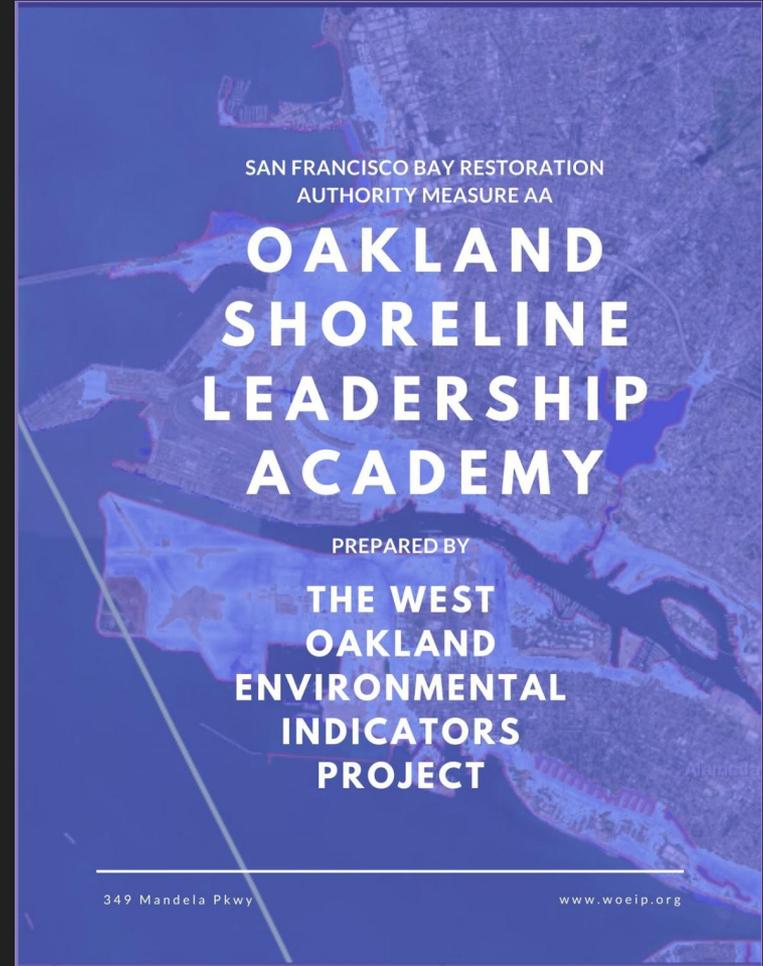
Equitable Climate Action Plan

- The intent of the Equitable Climate Action Plan is to reduce greenhouse gas emissions in ways that improve the local environment and make the local economy more sustainable.
- Estimated to cost \$\$\$ to implement



Oakland Shoreline Leadership Academy

- 6 Month paid training for Oakland residents to learn about shoreline issues.
- Residents will learn about sea level rise, economic development, pollution, vegetation, etc.
- Participants will plan a shoreline project and get help applying for funding.



Thank you!

Questions?

Phoenix Armenta

phoenix.woeip@gmail.com

510-717-4470