



Department of  
Toxic Substances  
Control

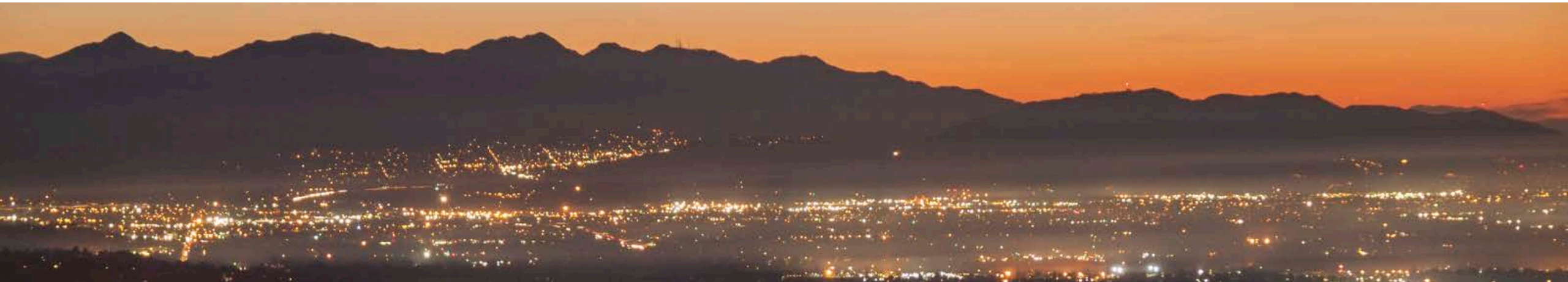


CalEPA  
California Environmental  
Protection Agency

# Oversight of Cleanup at Former Naval Station Treasure Island, San Francisco

SAN FRANCISCO BOARD OF SUPERVISORS – LAND USE AND TRANSPORTATION COMMITTEE –  
FEBRUARY 8, 2021

JULIE PETTIJOHN, MPH, CIH – BRANCH CHIEF



# Roles and Responsibilities

- Department of the Navy – lead agency
  - Cleanup
- Department of Toxic Substances Control – lead regulator
  - Oversight of Navy cleanup
- California Department of Public Health
  - Oversight of radiological concerns
- San Francisco Bay Regional Water Quality Control Board
  - Oversight of petroleum contamination



## CalEnviroScreen Score for Treasure Island is 85-90%

- Mapping tool providing relative scores to identify communities most affected by pollution
  - Treasure Island has a higher score than 85-90% of all census tracts in California
  - Score calculated using environmental, health, and socioeconomic data
  - Score *is not* a measure of health risk
  - Score is considered in priority setting for the Department



# Drivers of Treasure Island's CalEnviroScreen Score

CalEnviroScreen 3.0 Percentile:	85-90%
Diesel:	99%
Traffic:	98%
Cleanups:	100%
Groundwater Threats:	99%
Hazardous Waste:	61%
Impaired Water:	86%
Asthma:	92%
Low Birth Weight:	76%
Cardiovascular Rate:	57%
Poverty:	93%
Unemployment:	77%
Housing Burden:	81 %
* Only characteristics >50% shown	

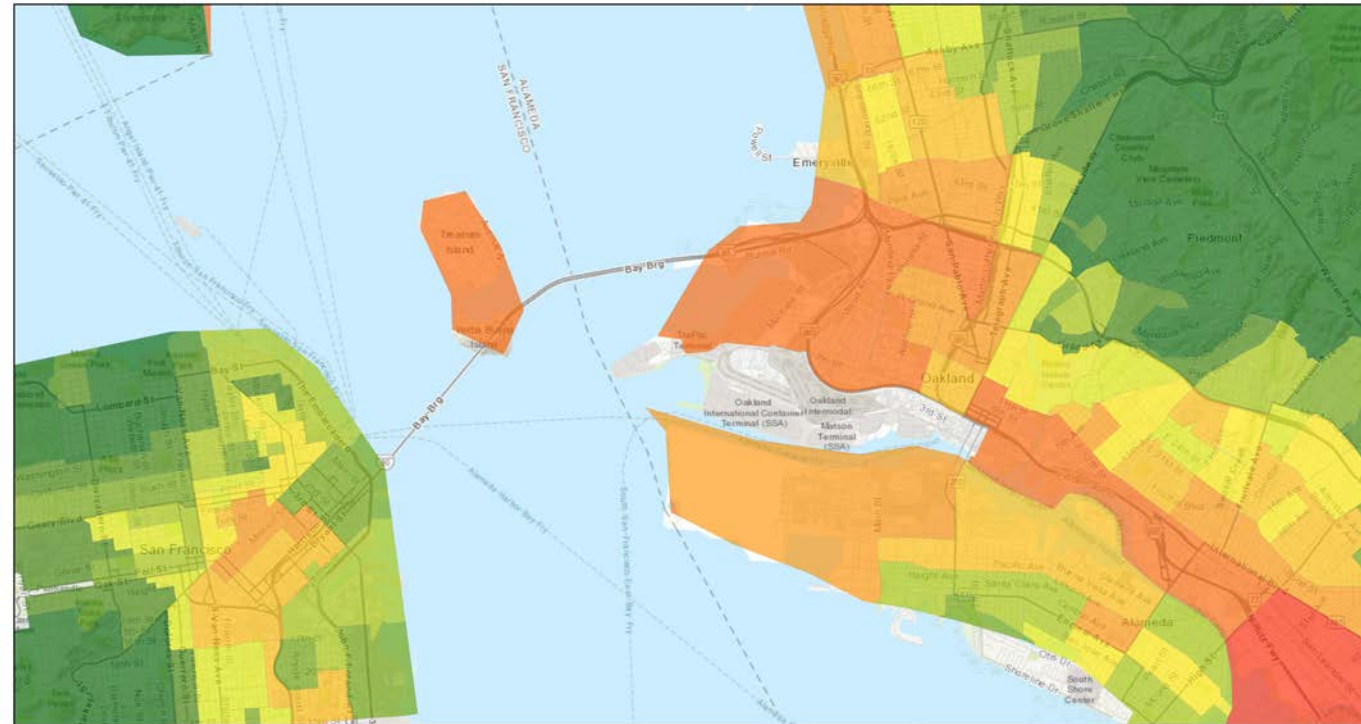
- Pollution Burden Drivers
  - Diesel particulate matter, traffic, cleanups, groundwater impacts (not used as drinking water)
- Population Characteristics Drivers
  - High incidence of asthma, poverty and housing burden





# CalEnviroScreen Map

CalEnviroScreen 3.0 Results (June 2018 Update)

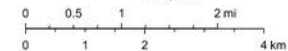


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CalEnviroScreen 3.0 Results (June 2018 Update)



1:72,224



Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

Information available to the public at: <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-30>

Web AppBuilder for ArcGIS  
Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA | OEHHA |


# DTSC safeguards public health at cleanup sites

- Cleanups follow the CERCLA process
- Sites determined suitable for use through risk assessment
- CERCLA process includes opportunities for public participation at hearings and during comment periods on decision documents





## DTSC reviews technical and management reports

- Technical documents (e.g., monitoring reports, work plans, etc.)
    - DTSC Project Manager and subject-matter experts (geologists, toxicologists, engineers, etc.) in addition to our partner agencies review to ensure data quality objectives have been met
  - Non-technical documents (e.g., Site Management Plan) reviewed for changes and accuracy of progress and upcoming work
  - DTSC conducts scheduled and unannounced fieldwork oversight
- 



# DTSC Oversight of Best Management Practices



Before



After





# DTSC Oversight of Best Management Practices



Before



In Progress



After



# Opportunities for Further Engagement

- Join the quarterly Restoration Advisory Board (RAB) meetings
  - See information: Navy BRAC PMO website
  - Next meeting February 9, 2021 at 7:00 PM on MS Teams
- Join the Navy's mailing list from the BRAC PMO website
- [https://www.bracpmo.navy.mil/brac\\_bases/california/former\\_ns\\_treasure\\_island.html](https://www.bracpmo.navy.mil/brac_bases/california/former_ns_treasure_island.html)
- Sign up for email alerts on EnviroStor

CA.GOV DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
**ENVIROSTOR**

Home Tools Reports Community Involvement How to Use EnviroStor ESI DTSC Web

**NAVAL STATION TREASURE ISLAND (38370044)** SIGN UP FOR EMAIL ALERTS

550 ACRES, BETWN SAN FRANCISCO & OAKLAND  
SAN FRANCISCO, CA 94130  
SAN FRANCISCO COUNTY  
SITE TYPE: CLOSED BASE

PROJECT MANAGER:  
SUPERVISOR:  
OFFICE:  
PRESS CONTACT:  
CENSUS TRACT:  
CAL ENVIROSCREEN PERCENTILE SCORE:

NUMBER:  
KIMBERLY WALSH  
CLEANUP BERKELEY  
BARBARA ZUMWALT  
6075017902  
86-90%

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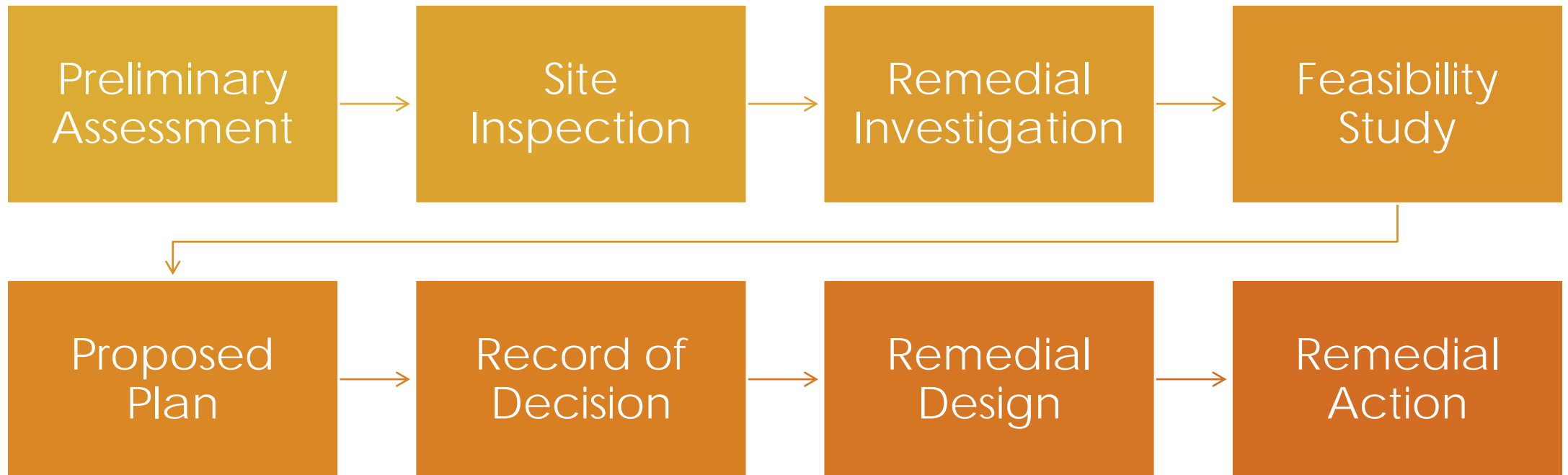
Thank you for your attention







# CERCLA Process



# Risk Assessment

- Risk-based screening levels:
  - Cancer risk for each chemical is set at one excess case of cancer in one million exposed individuals
  - Cancer risk for the sum of all chemicals of concern is set at between one and one hundred cases per million exposed
  - Remedial goals may be more or less stringent than SLs
  - Non-cancer hazard of 1 or less is not likely to cause harmful effects
  - Exposure assumptions are specific to the user (resident/worker) and media (soil, groundwater, indoor air)

