

# SAND MINING OVERVIEW



# WHY MINING SAND IN THE BAY?

## End Uses

- Roads and highways
- Residential housing
- Climate resiliency projects
  - Beach replenishment
- Site remediation
- Wildfire damage response

## Importance

- Construction demand is only increasing in the Bay Area
  - Upcoming Infrastructure Bills
  - Local housing demand
- Locally sourced = fewer impacts

## PROJECTS USING SAND FROM BAY AREA LEASES

- Napa/Sonoma County wildfire damage rebuild
- SF Pier 70 Crane Cove Park beach replenishment
- Crown Beach restoration, Alameda Beach restoration and sea level rise defense
- Alameda Point-Least Tern habitat restoration
- Pier 94 Wetlands Restoration Project
- Port of Oakland—ongoing projects
- Hunters Point Naval Station Site Remediation
- SF Public Utilities Commission LEEDS Platinum Building
- Oakland Kaiser Hospital/Medical Office LEEDS Gold Building
- James Lick Middle School
- Transbay Center and retail shops
- San Lorenzo sanitation leachate field
- Oakland Airport Dike Improvements

# WHO MINES AND WHERE?



May 5, 2021

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# WHO HAS OVERSIGHT OF MINING ACTIVITIES IN THE BAY?



# OVER \$4 MILLION AND 25+ STUDIES CONDUCTED SINCE 2004

- Extensive CEQA Process:

- Air Quality
- Aquatic Habitat & Fish Population
- Bathymetric Surveys
- Benthic Studies
- Sediment Transport Model

- Additional Studies to Support Permitting/Permit Conditions

- Biological Assessments and Biological Opinions
- Economic Impact Assessments
- Water Quality Monitoring Study
- Air

- Pending Studies led by BCDC

1. Information Collection and Synthesis of Bathymetric Data
2. Stratigraphy and Sand Resource Availability
3. Sand Transport Study

## WHAT IS NEXT ?

Ensure that 2015 Commission questions are informed by the remaining physical science studies



1. Is sand mining at the existing lease areas, at the permitted levels, having a measurable or demonstrable impact on sediment transport and supply within San Francisco Bay or the outer Coast?
2. What are the anticipated physical effects of sand mining at the permitted levels on the sand transport and supply to San Francisco Bay and the outer coast?
3. Are there other feasible sand mining approaches to consider in the San Francisco Bay?