# 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**

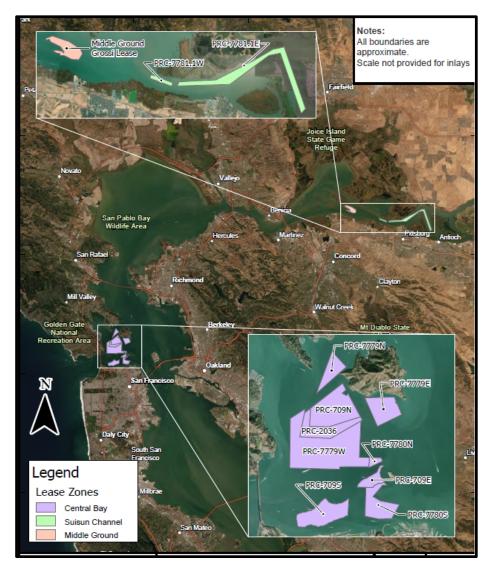
- Napa/Sonoma County wildfire damage rebuild
- SF Pier 70 Crane Cove Park beach replenishment
- Crown Beach restoration, Alameda Beach restoration and sea level rise defense
- Alameda Point-Least Tern habitat restoration
- Pier 94 Wetlands Restoration Project
- Port of Oakland–ongoing projects

- 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

# WHO HAS OVERSIGHT OF MINING ACTIVITIES IN THE BAY?





















A HEALTHY BREATHING ENVIRONMENT FOR EVERY BAY AREA RESIDENT

May 5, 2021

# 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



- 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?

7