



# **BENEFICIAL REUSE OF DREDGED SEDIMENT: CAN WE MOVE THE NEEDLE?**

BRENDA GOEDEN

SEDIMENT PROGRAM MANAGER

SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT  
COMMISSION

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# SAN FRANCISCO BAY & LTMS CONTEMPORARY

## LTMS Management Plan



**Maximize Beneficial Reuse,  
Minimize In-Bay Disposal**

dredged material disposal applications.

# SAN FRANCISCO BAY & LTMS CONTENT



Disposal and Beneficial Reuse – 20 years

- 64.9 Mcy dredged
- 25.9 Mcy in-Bay disposal
- 13.3 Mcy ocean disposal
- 28.2 Mcy beneficially reused

Average: 1.3 Mcy In-Bay, 0.7 Mcy Ocean, and 1.4  
Mcy BRU

# CHALLENGES

- Water is Rising
- Sediment is declining

# OPPORTUNITIES

- Federal Policies
- Cooperation
- Coordination



# CHALLENGING FEDERAL POLICY

**USACE Federal Standard:** *“the dredged material disposal alternative or alternatives identified by the Corps which represent the least costly alternatives consistent with sound engineering practices and meeting the environmental standards established by the 404(b)(1) evaluation process or ocean dumping criteria.”* (33 CFR 335.7, 53 FR 14902).

What it:

Flood Protection +

Ecosystem Services +

Navigation

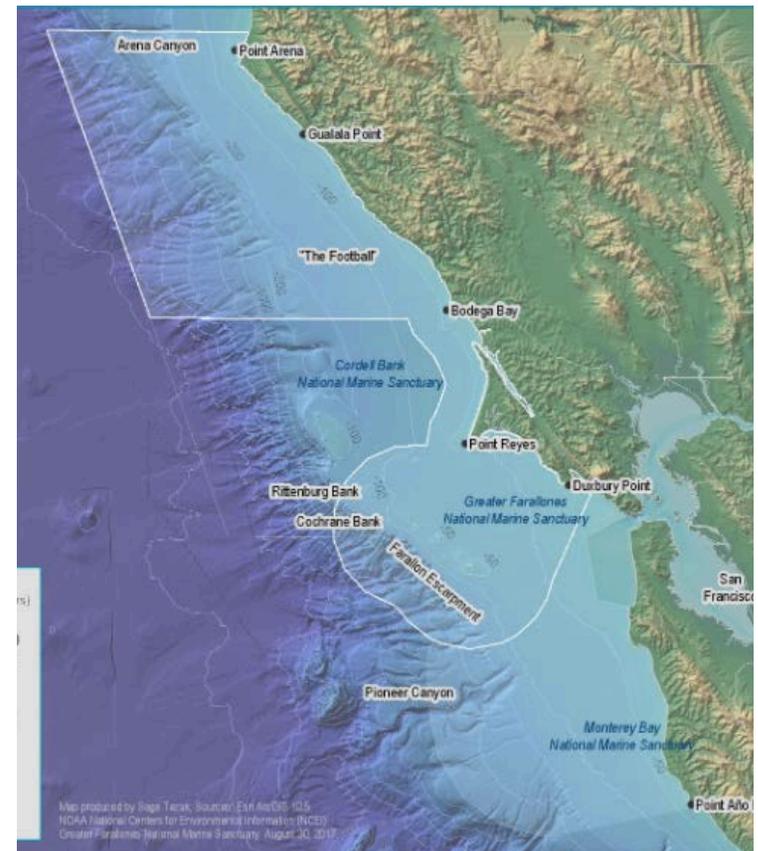
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Environmentally  
Acceptable OR  
Environmentally  
BENEFICIAL?

# GREATER FARALLONES MARINE SANCTUARY

Proposed revisions include:

- Changes to internal zone boundaries to provide more recreational opportunities while safeguarding sensitive habitat
- Updating appendices to the regulation, and
- Permitting the beneficial use of clean dredged material from four public harbors for habitat restoration.



# PORTS AS PARTNERS Climate and Green San Francisco Bay Area Programs Initiatives? Coordinate

- Port of Oakland
- Port of San Francisco
- Port of Redwood City
- Port of Richmond
- Port of Benicia



- Schedules
- Contracts
- Equipment use
- Beneficial reuse sites

# TARGET BENEFICIAL RESTORATION & REUSE

- Pick a site or a period
- Focused planning
- Equipment ready
- All sediment target

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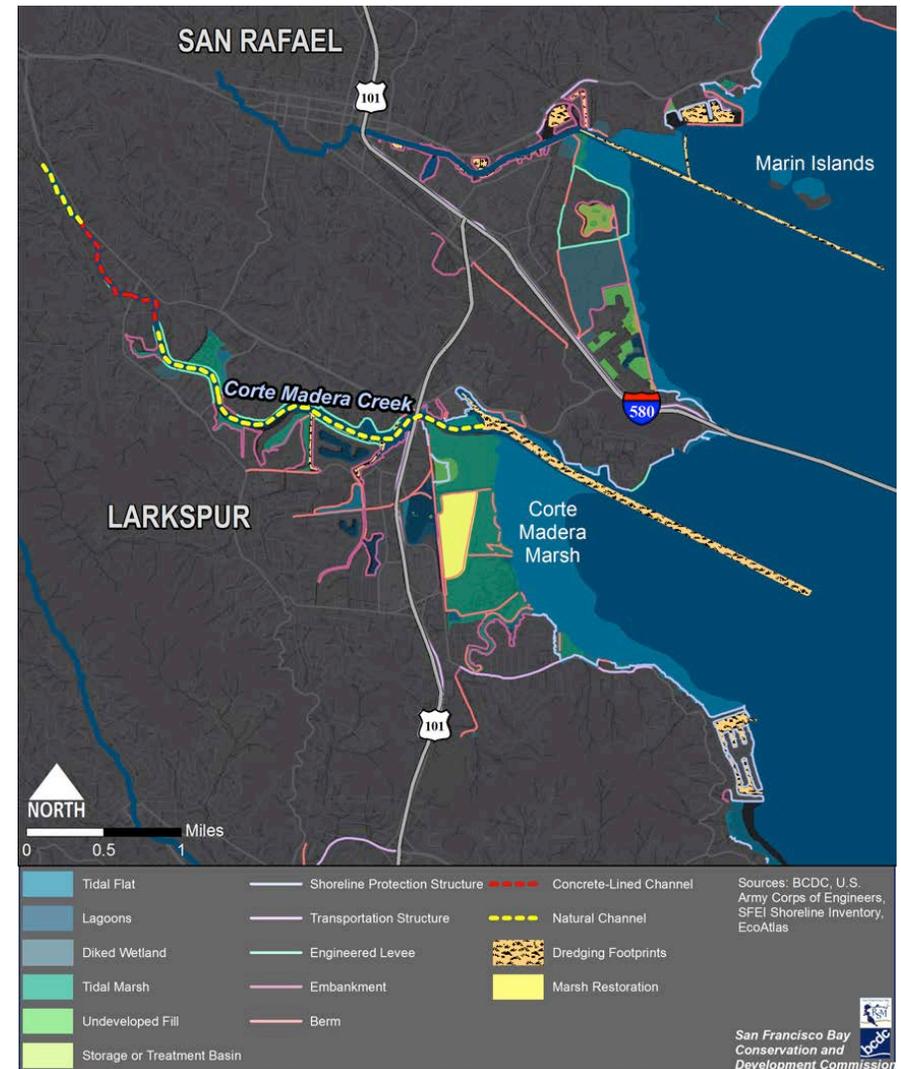
**Challenge: Water**

**Management &  
Queing?**



# CONSIDER LOCALITY

- Regional Sediment Management approach
- Incorporate different types of projects
- New coordination is needed across sectors



# THANK YOU



[brenda.goeden@bccdc.ca.gov](mailto:brenda.goeden@bccdc.ca.gov)

