



**Bay Area League of Women Voters League Day**  
**“Reduce, Reuse, Recycle: *Taking it to the Next Level*”**

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Environmental Programs and Planning Division  
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Port of Oakland  
BENEFICIAL REUSE OF DREDGE MATERIALS

MATERIALS MANAGEMENT PROGRAM

DECONSTRUCTION OF OAKLAND ARMY BASE WAREHOUSES

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**January 29, 2011**





**Legend:**

-  Maritime Area
-  CRE Area
-  OIA Area

**Note: Boundaries are approximate. Confirm property type and any restrictions.**



# **BENEFICIAL REUSE OF DREDGE MATERIALS**

- **95% of all Dredge Material from the Port can be used in Sensitive Habitats**
- **Middle Harbor Shoreline Park**
- **Montezuma and Hamilton Wetlands**



## PORT OF OAKLAND

### Project Purpose

- Accommodate the **Latest Generation of Container Vessels**
- The design vessel transports over **6500 twenty-foot equivalent units (TEU's)** of containers.
- **46 ft. design draft, 1,139 ft. long, and 140 ft. wide**



# Project Components



**PORT OF OAKLAND**





**PORT OF OAKLAND**

## Project Components





## PORT OF OAKLAND

### Project Components

#### Middle Harbor habitat enhancement area

- Military Base reuse
- Restoring **Habitat**
- Fishing, Picnicking, Family activities, and Science programs



Design features





**PORT OF OAKLAND**

## Project Components

### Dredging Status

- Entrance channel :  
**Complete** to -50 ‘

**\*Environmental :**  
Specialized digging  
equipment to control depth



Closed environmental bucket







**PORT OF OAKLAND**

## Project Components

Middle Harbor habitat  
enhancement area

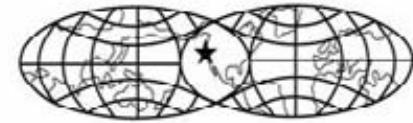


Placing dredged material into MHEA





## Project Components



**PORT OF OAKLAND**



Hamilton wetlands restoration project

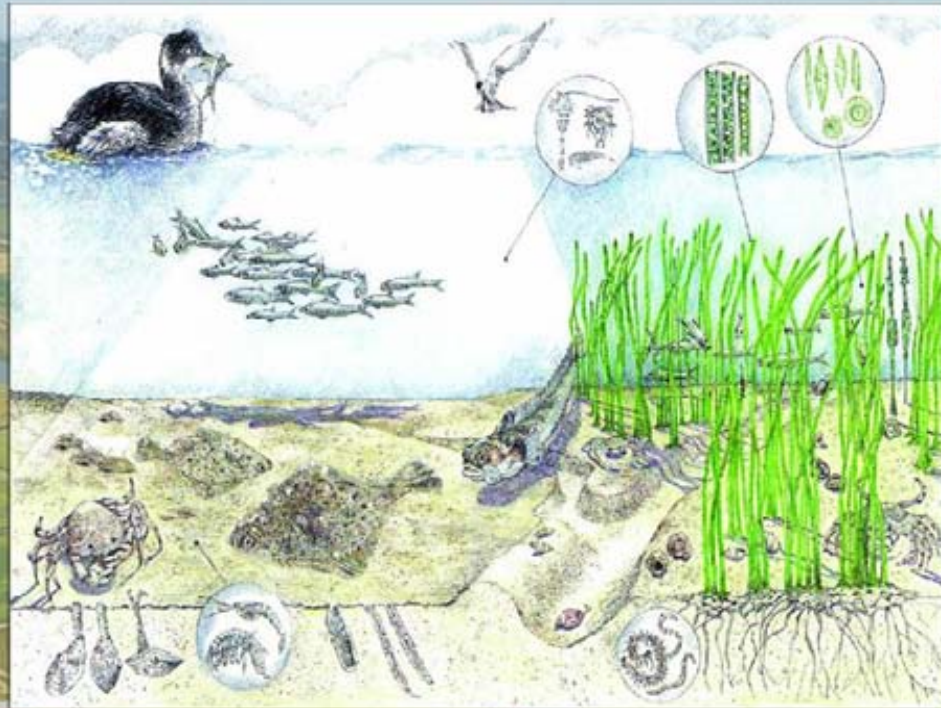


**PORT OF OAKLAND**

## Project Components

### Beneficial use of Dredge Material

- Wetlands Restoration :  
**Hamilton and Montezuma**
- Restoration of  
**Shallow Water**





**PORT OF OAKLAND**

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