



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

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Port of Oakland
BENEFICIAL REUSE OF DREDGE MATERIALS

MATERIALS MANAGEMENT PROGRAM

DECONSTRUCTION OF OAKLAND ARMY BASE WAREHOUSES

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**



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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



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Project Components





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Project Components

Middle Harbor habitat enhancement area

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



Design features





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Project Components

Dredging Status

- Entrance channel :
Complete to -50 ‘

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



Closed environmental bucket





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Project Components

Middle Harbor habitat
enhancement area

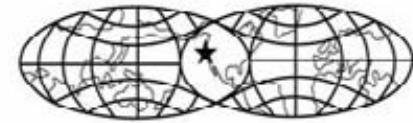


Placing dredged material into MHEA





Project Components



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Hamilton wetlands restoration project

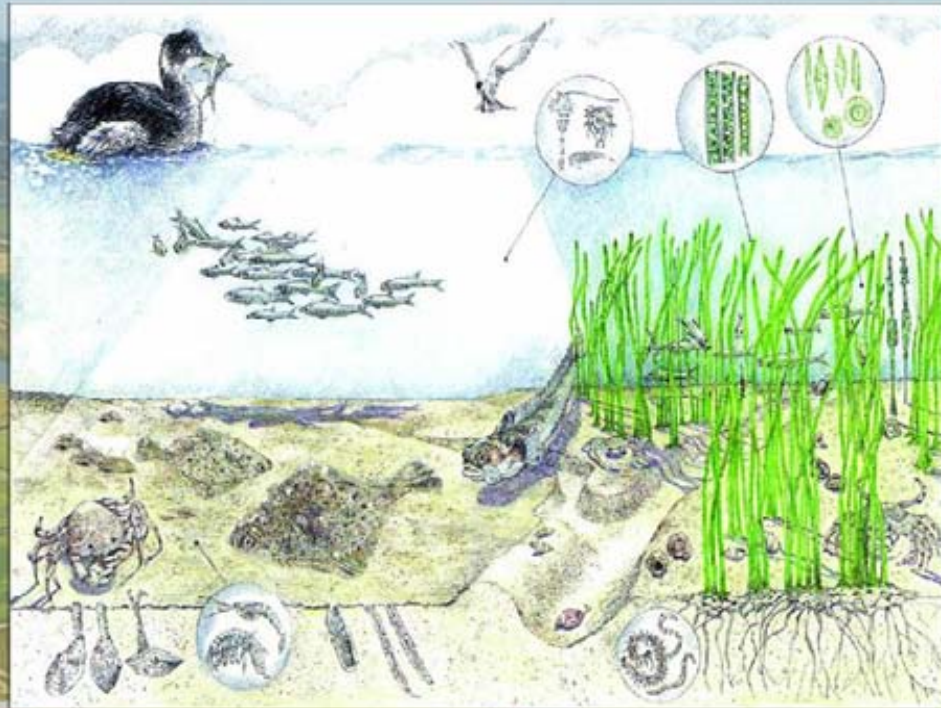


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Project Components

Beneficial use of Dredge Material

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





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