Early Transfer and Development
of the
Mare Island Regional Dredged Material Disposal Facility (RDMDF)

RevTech
Pittsburgh, PA
22-24 July 2003
Project Scope

- Develop and operate a Regional Dredged Material Disposal Facility at Mare Island that:
  - Provides a disposal facility for both clean and unsuitable dredged material
  - Supports the San Francisco Bay Long Term Management Strategy emphasizing upland disposal
  - Provides income to City of Vallejo through a host fee charged for material accepted at the RDMDF
- Assume clean-up, closure and long-term care responsibility for largest and most complex area on Mare Island through GFP Contract
Mare Island RDMDF

Background

- Mare Island
  - Located approximately 30 miles north of San Francisco
  - Former Navy Shipyard – opened in 1850’s
  - Closed in 1994 – operations ceased in 1996

- Reuse Plan Developed
  - Industrial operations
  - Housing
  - Golf course
  - Light industry
  - State Park
  - Dredged Ponds reuse
Approved by City of Vallejo to develop Dredge Ponds as RDMDF

Decided to utilize “Early Transfer” concept to accelerate development by 8 to 10 years

Pursuing parallel tracks:
- Securing Early Transfer of Dredge Ponds
  - Navy ↓ SLC (1) ↓ City of Vallejo ↓ WESTON
- Assisting Corps of Engineers and City of Vallejo in developing EIS/EIR documentation for NEPA and CEQA requirements

(1) SLC = California State Lands Commission
What is an Early Transfer?

- Allows DOD Service to transfer title to a closed Military base prior to completing environmental clean-up
- LRA (1) / Developer assumes responsibility for Environmental clean-up
- DOD service must fund completion of clean-up through grant funds
- Must be approved by the Governor

(1) LRA = Local Redevelopment Authority
SLC is eventual landlord because property is “reversionary”

SLC willing to accept early transfer property but only if it was “clean” and included Financial Assurances
  - WESTON negotiated risk-based clean-up program to manage Ordnance and Explosive items

DTSC \(^{(1)}\) wanted adjacent large landfill and other contaminated areas to be cleaned by WESTON

Navy wanted adjacent tidal wetlands and submerged lands to be included in the Early Transfer package

\(^{(1)}\) DTSC = Department of Toxic Substances Control, California Environmental Protection Agency
## Mare Island RDMDF

### Areas Transferred in September 2002

<table>
<thead>
<tr>
<th>AREA</th>
<th>DEFINITION</th>
<th>ACREAGE</th>
<th>MECHANISM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submerged</td>
<td>Offshore</td>
<td>1,400</td>
<td>FOSET</td>
</tr>
<tr>
<td>Lands</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Wetlands</td>
<td>650</td>
<td>FOSET</td>
</tr>
<tr>
<td>I</td>
<td>Dredge Ponds</td>
<td>516(1)</td>
<td>FOSET</td>
</tr>
<tr>
<td>H</td>
<td>Area H1</td>
<td>370</td>
<td>FOST upon completion of remedy</td>
</tr>
<tr>
<td></td>
<td>Area IR05</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Magazine Area</td>
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</tr>
<tr>
<td></td>
<td>Demo Pit</td>
<td>2,936</td>
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</table>

(1) Includes 352 acres for 7 RDMDF ponds
Mare Island RDMDF

Mare Island Areas of Transfer
Mare Island RDMDF

Mare Island Operations Map

Acreage: 352A for 7 dredge ponds

Existing Capacity: 2.5 mcyds
Build Out Capacity: 9.3 mcyds
Material Placement

- **Hydraulic (Large Dredging Projects)**
  - Hydraulic placement
  - Offloading location west of Pier 35
  - WESTON lays pipe on land
  - Contractor lays pipe in Bay
  - Create slurry – pump to northern ponds

- **Mechanical (Smaller Dredging Projects)**
  - Off-loading by crane with clamshell at Pier 34
  - Material trucked to Pond 7
Mare Island RDMDF

**Effluent Management**

- Utilize gravity settling through several ponds to allow solids to separate from excess water
- Prior to discharge, clarified decant water to be tested for meeting WDRs
- Clean effluent can be discharged:
  - Using existing 30” reinforced concrete pipe outfall into mud flats 1800 ft. west of pond 2N
  - For beneficial reuse of USF&WLS ponds for year-round wetlands
Solving Environmental Issues

- Minimizing effects on endangered species
- Managing public access to provide views of San Pablo Bay while minimizing potential impacts to biological resources
- Meeting waste disposal discharge requirements of dredged material effluent
- Negotiated economically feasible, risk-based strategy regarding Ordnance/Explosive issues
- Catalyzed Island-wide redevelopment by accelerating clean-up of H-1 area by 7-10 years
# Mare Island RDMDF

## RDMDF Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Completed Early Transfer</td>
<td>September 2002</td>
</tr>
<tr>
<td>Publish Draft EIS/EIR</td>
<td>July 2003</td>
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<tr>
<td>Complete EIS/EIR Process</td>
<td>December 2003</td>
</tr>
<tr>
<td>Secure Operating Permits</td>
<td>May 2004</td>
</tr>
<tr>
<td>Complete Project Modifications</td>
<td>July 2004</td>
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<tr>
<td>Start Operations</td>
<td>August 2004</td>
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