Requested DSC Briefings

- Delta Flood Emergency Preparedness and Response Plan
- Stockpile Rocks and Other Emergency Response Materials
- Assess and Improve State Capacity to Respond to Catastrophic Events in the Delta
- Delta Region Flood Emergency Response Exercise

Delta Flood Preparedness, Response, and Recovery Program

Department of Water Resources
Division of Flood Management
Geoff Shaw

Presentation Overview

- Delta Flood Emergency Preparedness, Response, and Recovery Program
  - Authorization and Funding
  - Major Components
  - Issues/Challenges
  - Program Schedule
- Emergency Exercises

Program

- **Flood Emergency Preparedness, Response, and Recovery Plan**
  - Critical Delta Facts Reference
  - Water Quality Response Strategy
  - Emergency Roles & Responsibilities
- **Multi-agency Integration of Plan**
- **Facilities & Logistics Implementation**

Authorization and Funding

- **Proposition 84 (2006)**
- **Proposition 1E (2006)**
- **Flood Legislation (2007)**
  - SB 5, 17
  - AB 5, 70, 156, 162
- **Senate Bill X2 1 (2008)**
  - Reallocation of Proposition 1E Funding
  - $135 Million (1-year appropriation)
    - $80 Million - Emergency Preparedness
    - $55 Million - Levee Improvements

Program Objectives

- **Protect**
  - Public Safety and Health
  - Critical Infrastructure
  - Environment/Delta Ecosystem
- **Improve Levee Failure Response**
  - Effective Response Plan
  - Preposition Materials/Supplies
  - Catastrophic, Multiple Island Failures
- **Limit Levee Failure Impacts**
  - Water Quality and Exports
  - Critical Infrastructure
  - Property Damage

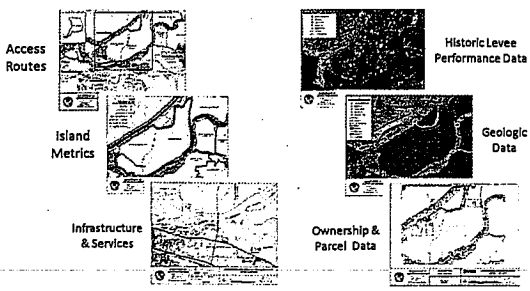
Emergency Response and Preparedness Plan Organization

- **Main Document** – Emergency Response Guidance Document
- **Supplement A** – Critical Facts and Geographic Information
- **Supplement B** – Water Quality Impacts and Response Strategies
- **Supplement C** – Define DWR Roles and Responsibilities

Main Document

- **Define DWR Response to Levee Failure**
- **Develop a Decision-based Response**
  - Respond to Single or Multiple Failures
  - Assess State Level of Response
  - Allocate Limited Resources Effectively
- **Priorities of Decision Process**
  - Public Safety and Health
  - Critical Infrastructure
  - Environment

Supplement A
Critical Facts and Geographic Information



Supplement B
Water Quality Impacts and Response

- Resume Water Operations Quickly
- Limit Water Quality Impacts
- Identify Short-term Actions (<24 hours)
- Evaluate Long-term Recovery Solutions

Supplement C
DWR Roles and Responsibilities

- Management Resource Document
- Flood Emergency Responsibilities
  - Incident Command
  - Operations
  - Planning/Intelligence
  - Logistics
  - Finance/Administration
- Flood Emergency Roles
  - Flood-fight
  - Repair and Recovery

Multi-Agency Plan Integration

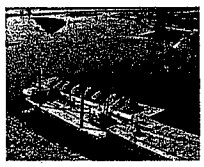
- Multiple Federal, State, and Local Agencies
  - Different Jurisdictional Areas
  - Different Authorities
  - Different Priorities
  - Different Resources
- Need an Effective Coordinated Response
  - Establish Who is in Charge and When
  - Efficient Allocation of Resources
  - Effective Communications
- Cooperation not Litigation

Facilities and Logistics Implementation

- **Strategic Location of Facilities**
- **Supplies "On-Hand" and "Ready-to-Go"**
- **Reduce Response Time**
  - Flood-fight
  - Levee Failure (Single or Multiple)
- **Redundancy**
  - Multiple Materials Storage Locations
  - Loss of a Storage Site is Not Fatal
  - Multiple Material Procurement Options
  - Loss of a Supply source is Not Fatal

Emergency Response Facilities

- **Incident Command Post Sites**
  - Accommodations
  - Communications
- **Waterside Access & Transfer Capacity**
- **Flood-fight Materials Storage**
- **Rock Stockpiles**
- **Equipment Storage**



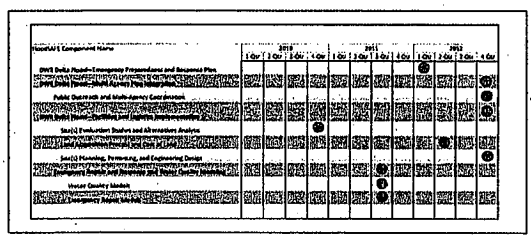
Existing Stockpiles

- **Port of Stockton**
  - ~120,000 tons Rock
  - Conveyor System
  - No Waterside Dock Facility
- **Rio Vista**
  - ~120,000 tons Rock
  - No Conveyor System
  - No Waterside Dock or Transfer Facilities

Potential Issues/Challenges

- **Funding**
- **Availability of Suitable Sites**
- **Land Acquisition Process**
- **Multi-agency Involvement**
  - Delta Stewardship Council
  - Central Valley Flood Protection Board
  - U. S. Army Corps of Engineers
  - Delta Counties
  - Local Agencies

Schedule



Emergency Exercises

- **CalEMA Delta Workshop**
  - Inland Region MARAC
  - October 21, 2010
  - Discuss/Revise Delta Multi-Hazard Response Plan
- **Golden Guardian 2011**
  - Federal, State and Local Agencies
  - May 17 - 19, 2011.
  - Assess Response and Recovery from Major Northern California Flood

Flood Emergency Exercises

DWR

- FCO/FOC Function/Table Exercise – Oct 6, 2010
- FOC/ICT Field Exercise – Nov 2010
- FOC Delta Table Top Exercise – Dec 2010
- FOC/Comm Training Exercises – Nov/Dec 2010
- FOC Functional Exercise – Dec 2010, Feb & Apr 2011

Cal EMA Inland Region

- Multi-hazard Workshop - 21 October 2010

Golden Guardian 2011 Exercise

- May 17 – 19, 2011
- Major Central Valley and Delta Flood Event
- Exercise Play Driven by Operational Areas
  - LMAs
  - Operational Areas
  - Federal Agencies
  - Cities
  - State Agencies
  - NGOs, PSPs
- 20+ Counties , 26+ State Agencies
- MPC Sacramento - Oct 27, 2010
- Inland Region Workshop – Nov 2/3, 2010

Golden Guardian 2011 Exercise

- CalEMA Exercise (All levels of Government)
- NWS, CNRFC and DWR – Weather/Flood Design
- Objectives (DWR)
  - Alert and Warn
  - Flood Response
  - Delta Flood Emergency Response Plan
  - Delta Mutual Aid Coordination (MAC)
    allocation of scarce resources
  - Department-wide Exercise

Summary

- Delta Flood Preparedness, Response, and Recovery Program
- Program Components
  1. Emergency Preparedness and Response Plan
  2. Multi-Agency Integration
  3. Facility and Logistics Implementation
- Program Schedule
- Issues
- Emergency Exercises