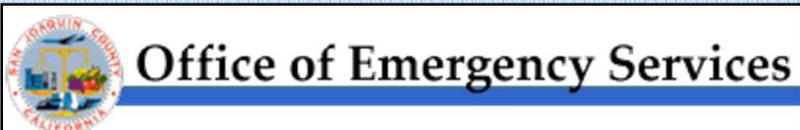


San Joaquin Operational Area

El Niño Preparedness

Delta Stewardship Council

17-December-2015



Michael R. Cockrell
Director of Emergency Operations
Office of Emergency Services
A Division of General Services

#1 Delta Agencies Preparation

Upgraded ALERT (rain & flow gauge) systems in several counties

Levee stability actions & Rip-Rap stockpiling at suspect areas

Extensive Pre-Winter Checklists to prepare above normal

Big effort to have record DWR Pre-Season Briefing attendance

LMA Situation Status Board for coordinating information

Sea Level change impact?

- Delta Record 1997/King Tides, show 4-factors must line-up
- High tides
- High flows
- High winds
- Low barometric pressure

Water hyacinth/tree debris in rivers
 could threaten infrastructure



ALERT System



Pre-Season Briefings

Levee Maintaining Agency Situation Report									
Incident: Regional Daily Operations				Search:		SAN JOAQUIN			
Date / Time	Levee Maintaining Agency	LMA I.D.	Primary Event	Secondary	Condition	Emergency Level	Location	Risk Reduction	Details
	Union Island	1			Normal Condition		N W		view edit
	Union Island	2			Normal Condition		N W		view edit
	Mossdale	17			Normal Condition		Map 37.886371 N-121.298265 W		view edit
2015-10-13T00:00:00	New Hope	348	High Flow	Boil	Flood Alert	3 - Potential Failure	Map 38.25414° N-121.43360 W	Boil U Ring	view edit
	Middle Roberts Island	524			Normal Condition		N W		view edit

#2 Preparedness Measures

Enforce local flood insurance codes, and maintain/increase Community Rating System (CRS) status. Reduces insurance rates

Training-exercising:

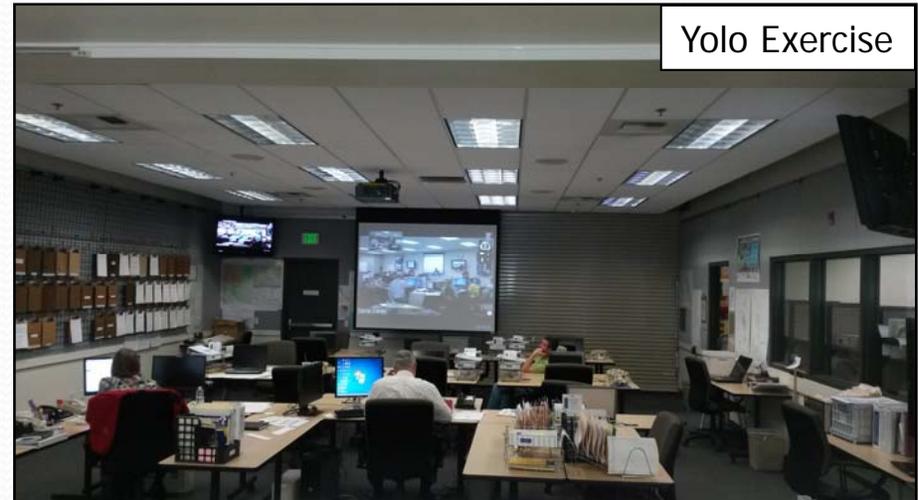
- Oct. Yolo "Napa-Quake type" exercise testing LMA-Operational Area-State coordination
- Use each river "High Water" event as a reason to test response agency notifications

Updating Emergency Operations Plans to newest FEMA standards, including Local Hazard Mitigation Plans



Pre-Season Briefing

December 17, 2015



Yolo Exercise

2015 Delta Stewardship Council

#2 Preparedness Measures

Flood Planning:

- Revising San Joaquin Delta Flood Evacuation Plan & Flood/Dam Failure Annex
- Evacuation Field Guide
- Updated our Restricted Access Permit process
- LMA Flood Safety Plans & Flood-Fight Contingency Map

Region evacuation and coordination planning has not moved past draft status:

- Delta Multi-Agency Coordination System (Delta MACS) (4th draft, 2010)
- Region IV Mass Evacuation Plan (2013, 3rd draft)
- Region-IV Evacuation Control Assistance Point (ECAP) procedures (2004)
- Delta Unified Area Command

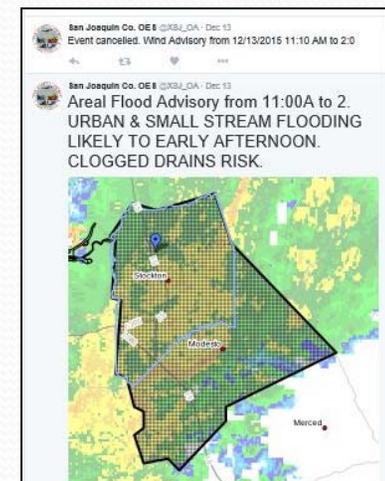
Outreach: California Flood Awareness Week was a chance to prepare our communities. Also during storms, as in Sunday's wind/rain



December 17, 2015



2015 Delta Stewardship Council

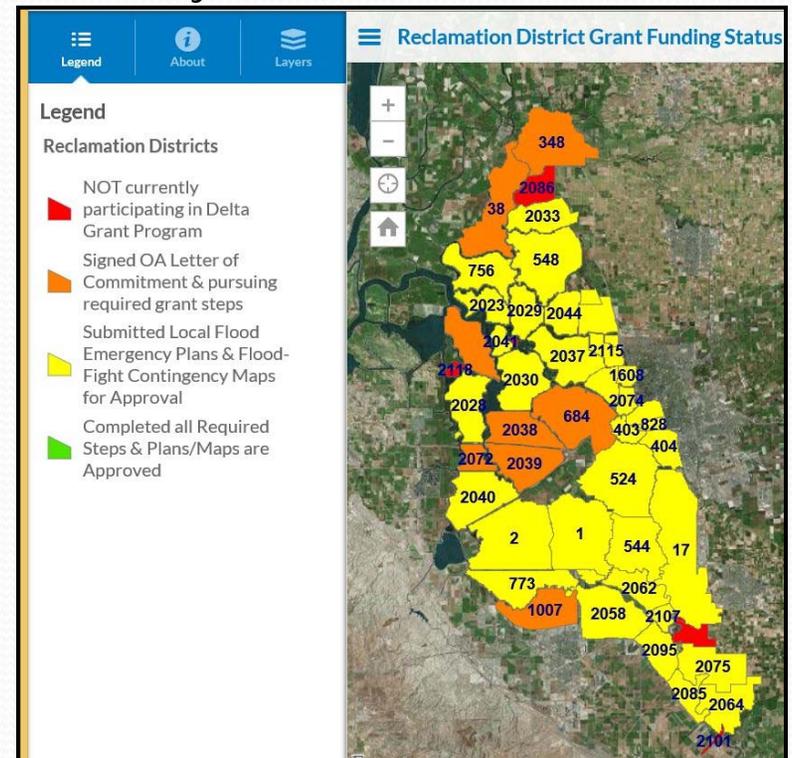
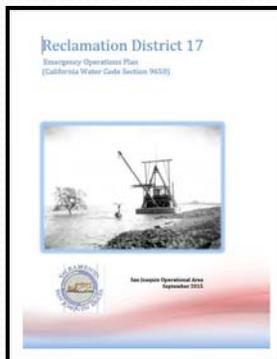


#3 Status of DWR Grants

SJC has 53-LMA's, 5-cities, and 1-community districts, estimate 75% done. 4-LMA's not in grant

Benefits:

- Plan/map reviews gives OES staff detailed knowledge, and assures compliance to Water Code
- 1-on-1 interaction with LMA's and protected cities or community districts
- Standardized plans & maps ensures multi-LMA flood will be easier coordinate with information
- Standardized city-County EOP's reduces confusion
- Assisting LMA's to update Directory of Flood Officials

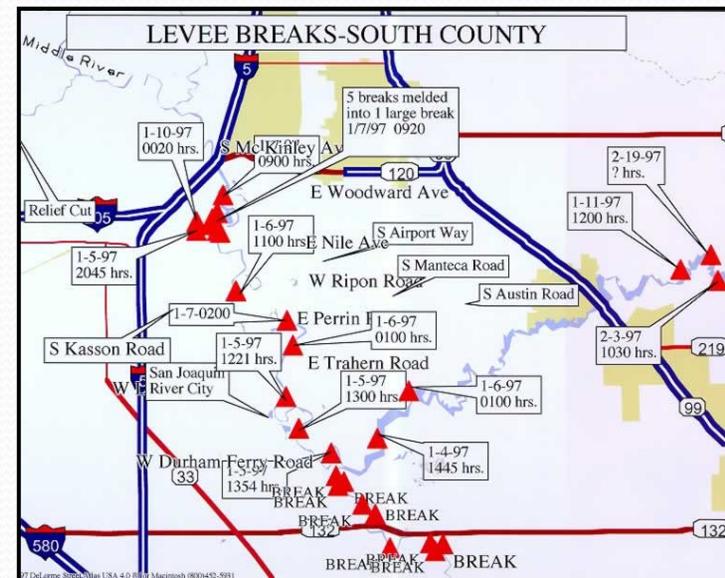
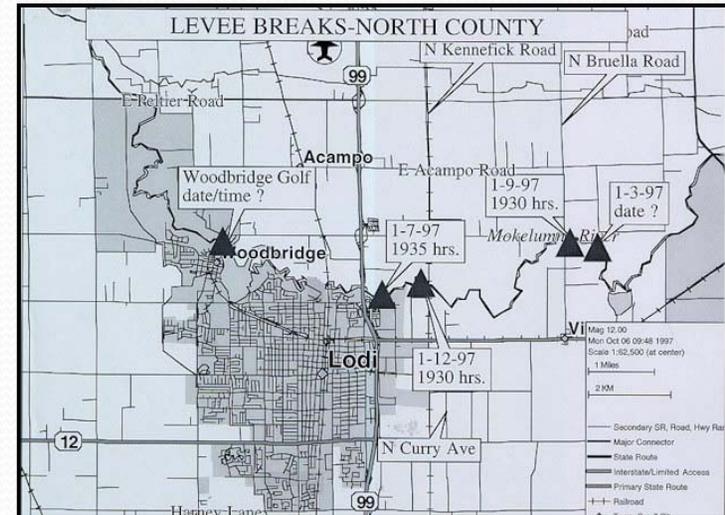


#4 Improving Coordination

Relations could be improved by:

- Maintaining the Delta Working Group
- Revisit draft flood plans to either delete or continue
- More inclusive SB-27 report development
- Standardize LMA plans & mapping
- Support HR-4070 McNerney bill for flood fund
- The bases for the '97 FEAT reports were to enhance coordination, planning, and preparedness.

When we have multiple levee failures, such as '97, the overlapping response, and recovery could be better if working on a common foundation.



San Joaquin River, January 1997

QUESTIONS?

www.sjgov.org/oes

209-953-6200