

An aerial photograph showing a significant flooding event in a rural, agricultural area. A large, irregularly shaped body of brown, turbid water has inundated a large portion of the landscape, covering what appears to be a road and several large fields. The water's surface is relatively calm but carries a heavy load of sediment. In the lower-left corner, a residential development with several houses is visible, partially surrounded by the floodwater. The surrounding land is a mix of green fields and brown, muddy soil, indicating the extent of the water's reach. The overall scene depicts a major environmental and agricultural challenge.

Oceano Community Drainage and Flood Mitigation Efforts

October 25, 2011

Previous Board Updates

- May 24th, 2011
 - AG Creek and Meadow Creek Priorities Established
- July 19, 2011
 - Provided update to efforts on priorities
 - Developed 4 alternatives for AG Creek Channel
 - Developed 8 alternatives for Meadow Creek
- Sept 13, 2011
 - Provided update on all efforts and cost estimates for significant unfunded options
 - 7 work priorities identified

Today's Update

- Recommended budget adjustment for the 7 work priorities
- Status of all efforts
- Review permitting requirements

7 Flood Mitigation Work Priorities

Meadow Creek Lagoon

1. Sand Bar Management
2. Pump and Pipeline
3. Raise Delta Street

AG Creek Channel

1. Raise North and South Levees West of UPRR
2. Temporary Levee Protection (Visquine and Sand Bags)
3. Berm on Private Property
4. Vegetation Maintenance

Status of 7 Priority Projects

Site #	Status
1.Raise North and South Levees West of UPRR	Scheduled to begin November 7 th -
2.Temporary Levee Protection (Visquine and Sand Bags)	Scheduled for installation November 14th
3.Berm on Private Property	Pending
4.Vegetation Maintenance	Completion October 31st
5. Sand Bar Management	Pending
6. Pump and Pipeline	Pending
7. Raise Delta Street	Completed



Raise North and South Levees West of UPRRR



- Plans Developed
- County Forces Ready to Implement
- Environmental Document in Progress
- Increases Flood Protection



Berm on Private Property



- Plans in development
- Contractor to implement
- Provides additional protection for properties on the north side of levee when high flows exceed levee capacity at the start of the levee system

Sand Bar Management

- Background Research Complete
- Agency Coordination Ongoing
- Short term/long term strategy developed
- Technical team contract ready for approval



Other Work Efforts

Work	Status
Culvert Cleaning at Airpark and Menton Roads	Completed
Sand Canyon Flap Gate Repair	Completed
Cleaning of All Flap Gates within Channel	Completed
Replace Damaged Los Berros Flap Gates	Construction underway

Other Work Efforts

Work	Status
Monitoring Beaver Dams	On-going
Various Ditches and Culvert Cleaning	Partial Completion Anticipated
Public Education (Flood and Evacuation Brochure)	Updated and scheduled for mailing December 1st
Emergency Response Plan	Update underway, coordination with various emergency response agencies is in progress

Budget Picture

Zone 1/1A 2011-12 Estimated Storm Preparation Budget

Location	Item of Work	Costs	Funded	Unfunded
AG Creek Channel Storm Preparation				
	Raise North and South levees West of UPRR	\$175,000		\$175,000
	Temporary Levee Protection (Visquine and Sand Bags)	\$50,000	\$50,000	
	Berm on Private Property	\$20,000		\$20,000
	Vegetation Maintenance	\$35,000	\$35,000	
Meadow Creek Lagoon Storm Preparation				
	Sand Bar Management	\$30,000		\$30,000
	Pump and Pipeline	\$375,000		\$375,000
	Raise Delta Street	\$20,000	\$20,000	
	Sub Total	\$705,000		
Staff costs (indirect)		\$100,000		\$100,000
	Environmental Consultant (Sand Bar Management)	\$70,000		\$70,000
	Water Quality (Meadow Creek Lagoon)	\$15,000		\$15,000
	Total	\$890,000	\$105,000	\$785,000

Recommendations

- Authorize a budget adjustment of \$785,000 from Flood Control and Water Conservation District Reserves to fund the four unfunded work priorities
- Approve a sole source Professional Engineering Services Agreement to facilitate Sand Bar Management Permitting and Planning Efforts

Questions?