



C A L I F O R N I A

Rebuilding the System Reducing the Risk

February/March 2007 Workshops

Presentation Order

- Background for Workshop
- Overview of FloodSAFE California Initiative and Collaboration with other Department of Water Resources (DWR) Planning Processes
- California Flood Plan and Regional Flood Management Planning Processes
- Delta Levee Programs
- Near-Term Bond Funding Availability
 - Existing Ongoing Statewide Programs Supplemented with Bond Funds
 - New Statewide Programs Funded with Bond and AB 142 Funds
 - State-federal Flood Control System Modifications
- Closing Discussion

Many regions face **unacceptable** flood risks.



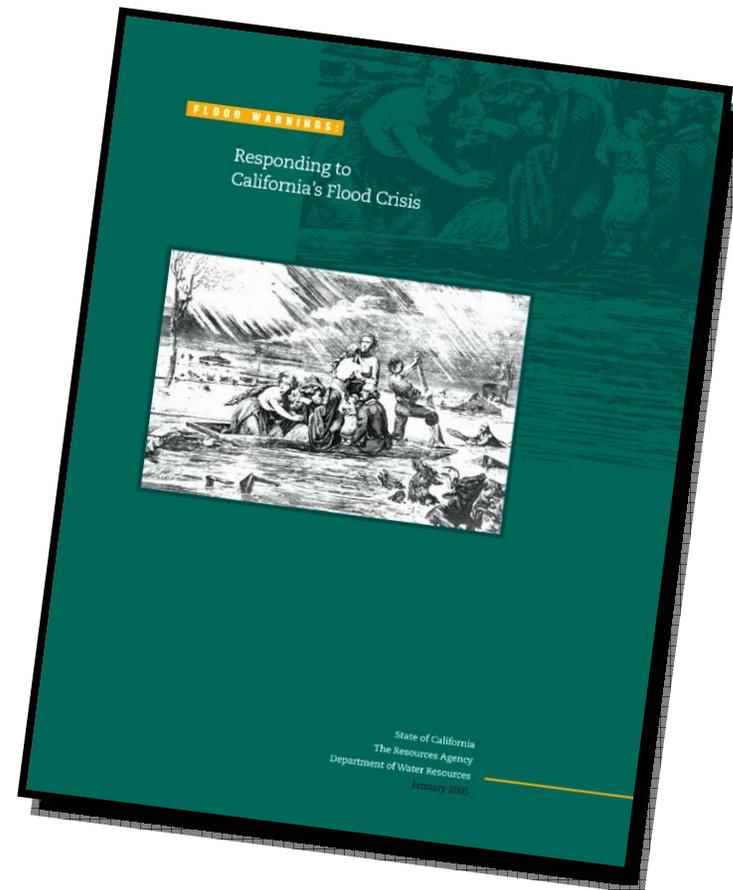
- Most extensive flooding can occur in the Central Valley
- Widespread local flood challenges
- State's water supply threatened by fragile Delta levees
- Every taxpayer pays when State-federal project levees fail



- Hurricane Katrina showed:
 - Major urban flooding is tragic and deadly
 - We must be ready for emergency response during severe events
- California's 2006 floods showed our system is fragile, deteriorating, and does not provide the protection we need
- Climate change will further increase flood risks if not addressed



- In 2005, Governor Schwarzenegger drew attention to California's Flood Crisis, calling for:
 - Improved maintenance
 - System rehabilitation
 - Effective emergency response
 - Sustainable funding





- Some of the 2005 goals have been achieved
 - Urgent levee repairs and improvements are under way
 - Nearly \$5 billion in bond funds for flood management
 - Legislature and Governor supported emergency appropriations

Review

2006 Flood Management Activities

- 2006 Flood Fights
- Improved DWR Levee Inspections and DWR Levee/Channel Maintenance
- Improving Emergency Response Abilities
- Repaired 33 Critical Erosion Sites
- Funded Repairs of Sacramento's Pocket Area Levees
- Repairs under way for 71 New Critical Erosion and PL84-99 Sites
- Evaluating 350 miles of Urban Levees



FloodSAFE California – Goals and Principles

FloodSAFE California:

A strategic initiative under development by DWR to improve flood protection for the people of California

The goals of FloodSAFE California are:

- 1. Reduce flood risk to the people of California, their homes and property, the State's infrastructure, and the public trust resources.**
- 2. Develop a sustainable flood management system for the future.**
- 3. Reduce the adverse consequences of floods when they do occur.**

FloodSAFE California – Goals and Principles

Guiding Principles for a **FloodSAFE** California:

- 1. Approach flood risk management on a system-wide basis, taking into account varied land uses and flood protection needs.**
- 2. Integrate land use planning with flood risk management.**
- 3. Promote and fund regional planning.**
- 4. Adapt flood management systems to cope with climate change.**
- 5. Support and fund projects that offer multiple or regional benefits, including those that restore natural floodplain processes or integrate regional water management.**
- 6. Provide accurate information about flood risks to help families and communities to make safer decisions.**

Multifaceted FloodSAFE Program

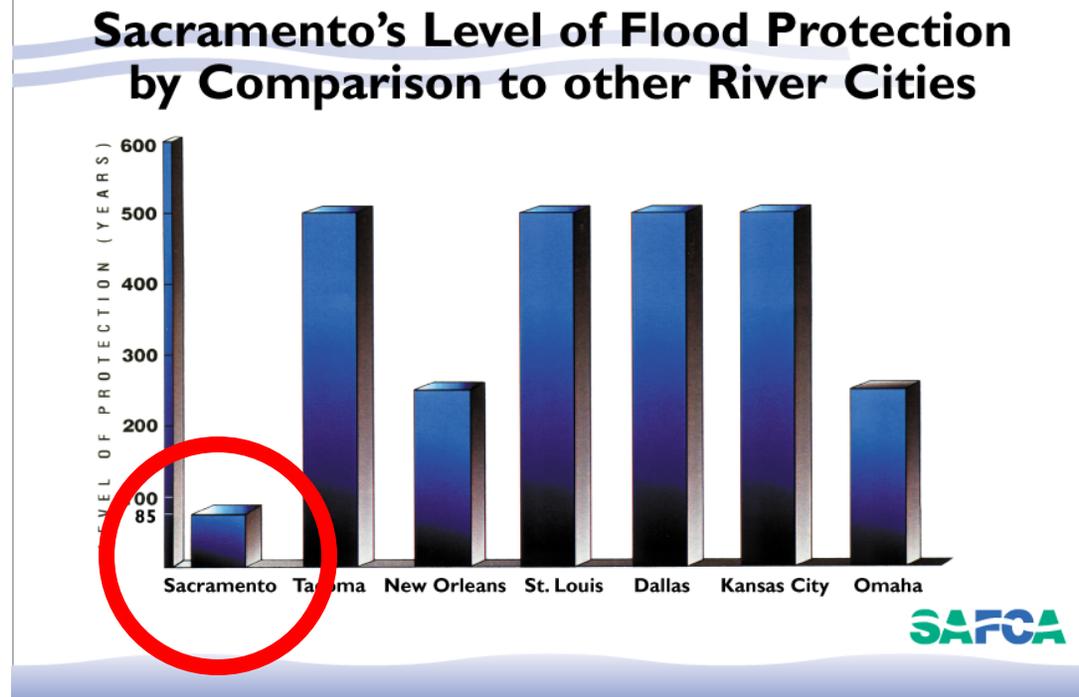
1. Design and construction work for urgent repairs / improvements, including levee evaluations and Delta levee programs
2. Reimbursement for local share of federal flood control projects construction outside Central Valley
3. Statewide grants for construction of Stormwater Flood Management Projects
4. Non-structural flood corridor projects, urban streams restoration, and floodplain delineations
5. Regional Flood Plans and California Flood Plan

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- Program addresses
 - Upholding existing responsibility for State-federal facilities in Central Valley
 - Increasing State aid for flood management in Delta
 - Exercising State leadership in emergency response
 - Beginning statewide flood management planning
 - Supporting regional flood management planning outside Central Valley for first time

Sacramento at Great Risk

- Sacramento example of urgent need to improve urban protection
- State liable for failures of State-federal project



Goal: At Least 200-year Flood Protection for Urban Areas

Many experts advocate between 200-year and 500-year flood protection, especially for areas of potential deep flooding

- ✓ **Resolution 89-14, The Reclamation Board**
- ✓ **Resolution 90-3, The Reclamation Board**
- ✓ **1997 Final Report of the Governor's Flood Emergency Action Team**
- ✓ **Association of State Floodplain Managers - 2000; 2005**
- ✓ **Former Brigadier General Gerry Galloway - 2006**
- ✓ **SAFCA Mission Statement**

Where bond funding can be spent



\$3.275 billion
billion
(67%)

Central Valley

Repair and improvements to levees and flood projects in the State and Federal Project system and the Delta



\$680 million
million
(14%)

Outside Central Valley

Subventions (federal flood control projects outside of the Central Valley, primarily Bay Area and Southern California)



\$935 million
million
(19%)

Statewide

Floodplain mapping, flood corridors, stormwater grants and other flood improvements statewide.

2006 Voter Approved Bond Funding

Funding Category	Prop. 1E	Prop. 84
State-federal Project Levees, Weirs, Bypasses, and other Flood Management Facilities, including in the Delta	\$3 billion	
Reducing the Risk of Levee Failures in the Delta		\$275 million
Statewide Flood Management Facilities		\$275 million
Flood Control Subventions	\$500 million	\$180 million
Flood Corridors, Bypasses, and Mapping	\$290 million	\$70 million
Stormwater Flood Management Grants	\$300 million	--
Total	\$4.09 billion	\$800 million

Propositions 1E and 84 Bond Funds

Potential Bond Funding for Flood Management Facilities

Circled Checkmark  - Potentially available for FY 2007-08

	Project Levee Repairs	Non- Urban Project Levee Improv.	Urban Project Levee Improv.	Non Project Levees	Flood Control Subvent.	Delta Levees	Flood Bypasses, Corridors	Levee Evaluations	Regional Plans
Proposition 1E - \$ 4.09 billion									
\$ 3 billion, Central Valley									
\$ 500 million, Flood Subventions									
\$ 290 million Flood Corridors, Mapping									
\$ 300 million, Stormwater Grants									
Proposition 84 - \$ 800 million									
\$ 275 million, Flood Improvements									
\$ 275 million, Delta Levees									
\$ 180 million, Flood Subventions									
\$ 40 million, Flood Prot. Corridors									
\$ 30 million, Floodplain Mapping									17

Near-Term Expenditures

- Planned expenditures for FY 2007-08
 - 60% Design and construct urgent repairs & improvements
 - 14% Reimburse local share of federal flood control projects outside Central Valley
 - 15% Grants for construction of stormwater flood management projects
 - 7% Non-structural flood corridor and floodplain delineation projects
 - 4% Development of regional and California Flood Plans

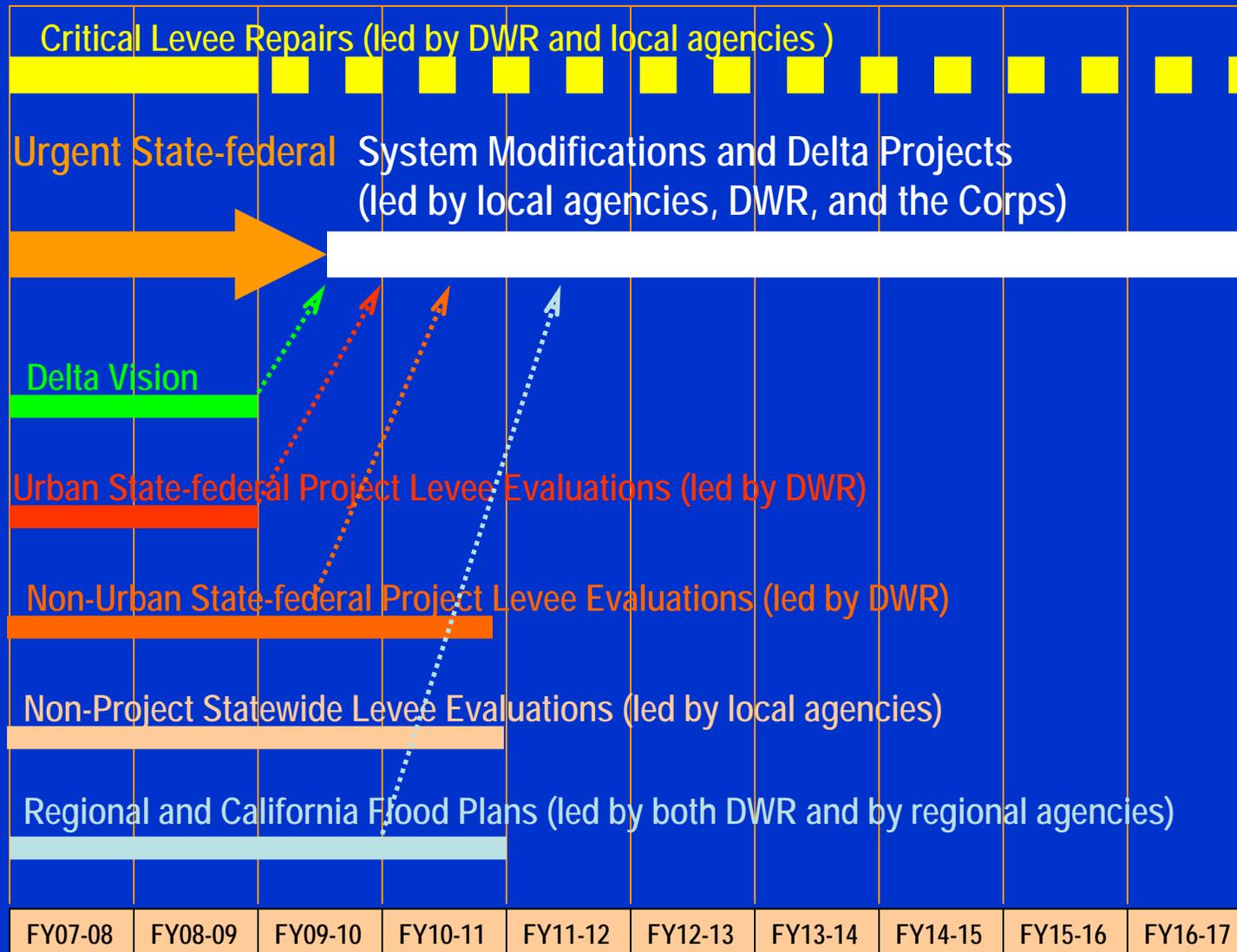
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- Critical Levee Repairs
- Early Implementation State-federal Projects
- Stormwater Flood Management Project Grants
- Levee Evaluations of State-federal Levees
- Grants for Evaluation of non-Project Levees
- Flood Control Subventions
- Floodway Corridor / Flood Protection Corridors
- Increased Delta Levee Maintenance
- Grants for Regional Planning

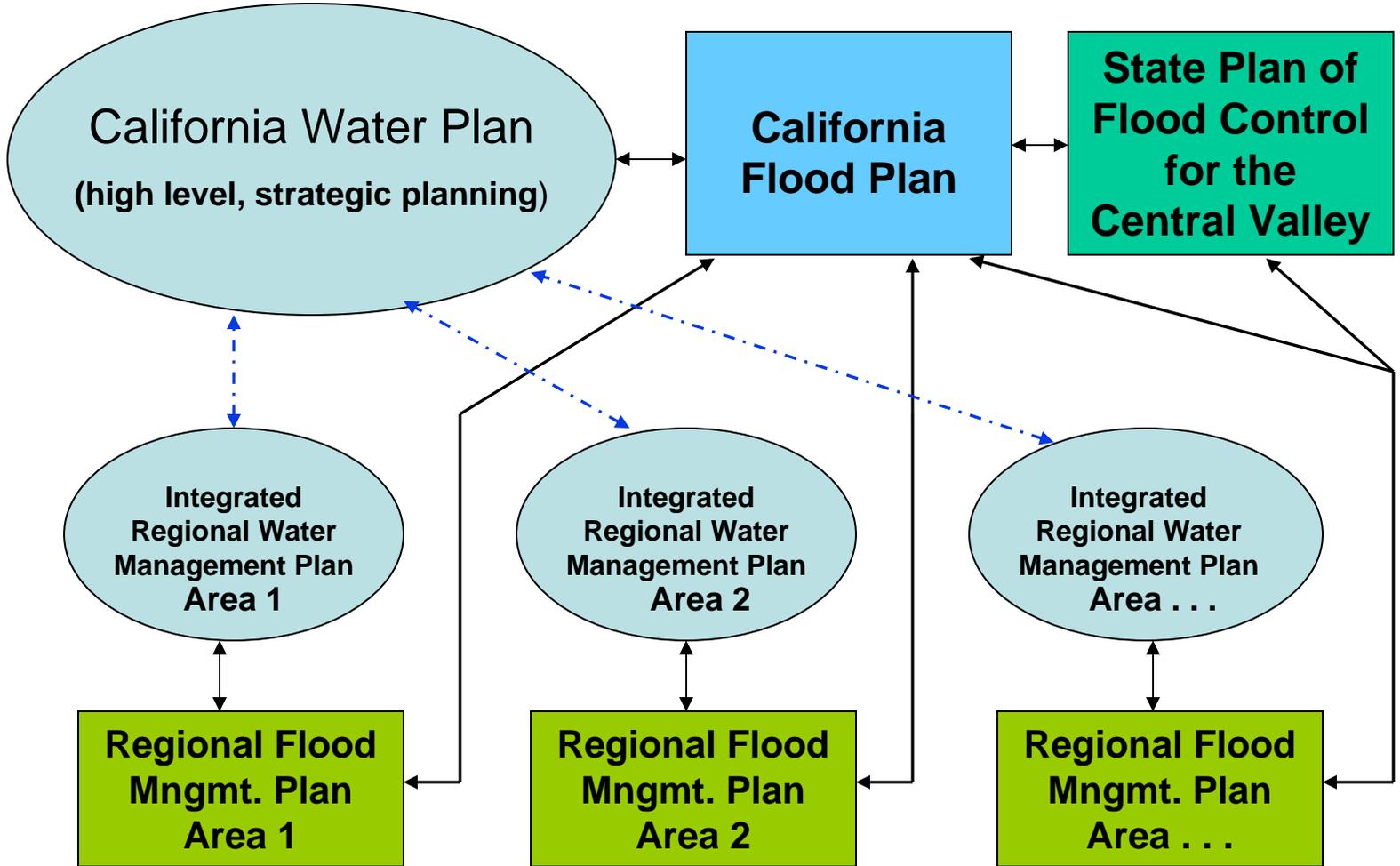
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- Update State Plan of Flood Control for the Central Valley
- Update floodplain delineation and maps
- Evaluate opportunities for reservoir re-operation
- Develop California Flood Plan
- Develop regional flood management plans
- Improve levee maintenance
- Develop catastrophic emergency response plan for the Delta
- Implement Delta Vision Strategy

Schedule

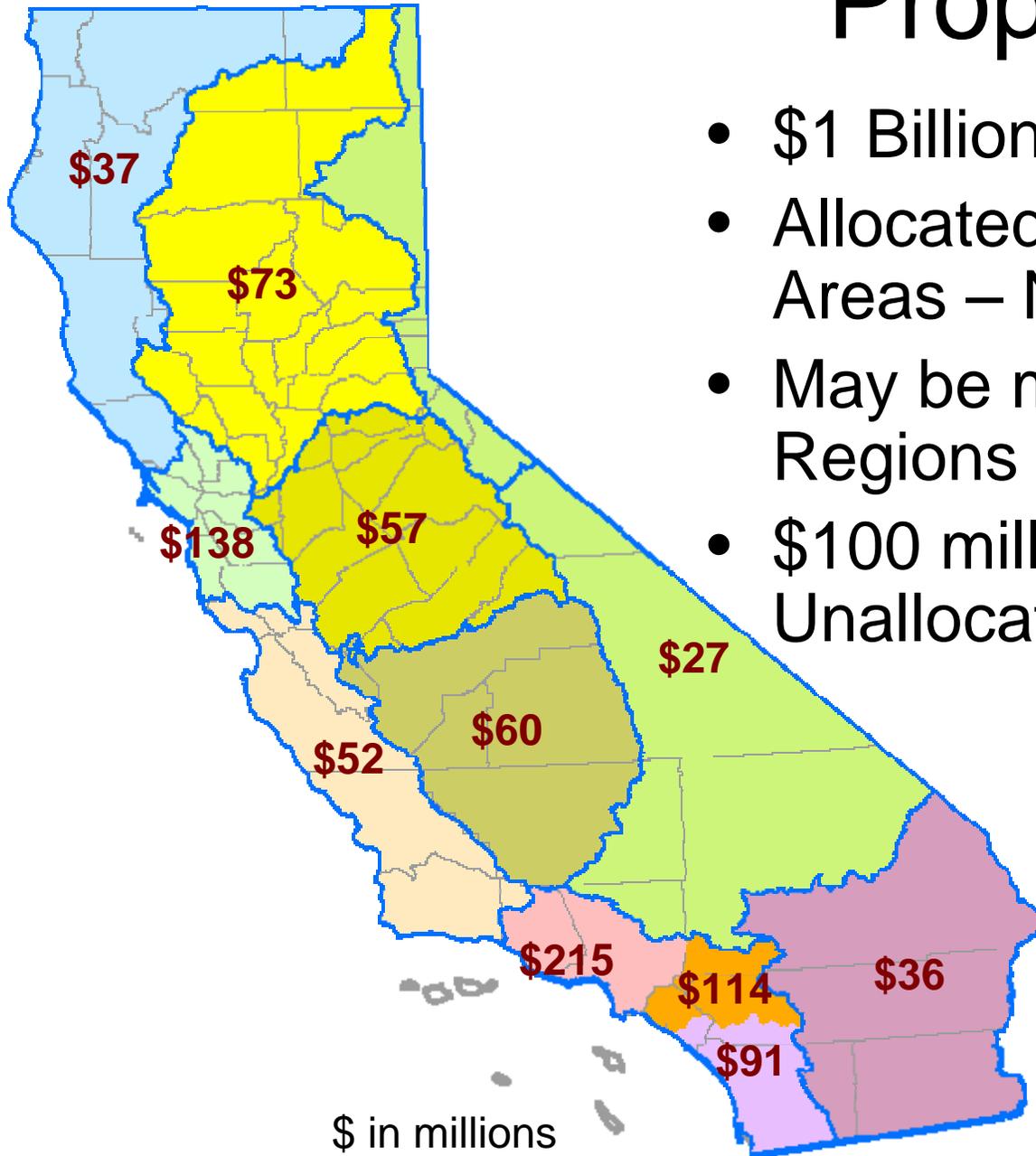


Collaboration with California Water Plan and Integrated Regional Water Management Planning Processes



Proposition 84

- \$1 Billion for IRWM
- Allocated to Geographic Areas – Not Statewide
- May be multiple IRWM Regions in a funding area
- \$100 million Interregional/Unallocated



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- \$300 million
- Stormwater Flood Management Projects
 - Designed to manage stormwater runoff to reduce flood damage
 - Where feasible, provide other benefits, including
 - Groundwater recharge
 - Water quality improvement
 - Ecosystem restoration

IRWM Grant Program Concepts

- Build on existing IRWM guidelines and plan standards
- Continued involvement of SWRCB/RWQCB and other agencies
- Work more collaboratively with regional efforts

IRWM Grant Program Concepts

- Single application for multiple funding sources
 - Prop 84 IRWM Funds
 - Prop 1E Stormwater-Flood Management Funds
 - Balance of Prop 50 IRWM Funds

California Flood Plan

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- California Flood Plan
 - Strategic plan similar to California Water Plan
- State Plan of Flood Control for the Central Valley
 - Detailed plan to manage State-federal Flood Control System in Sac and SJ Watersheds
- Regional Flood Management Plans
 - Enhanced regional planning to meet future needs

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- New strategic plan to inform long-term policy decisions about flood management
- Set statewide goals and principles for effective flood management
- Document statewide needs
- Encourage multi-objective / regional approach

The title 'California Flood Plan' in a large, bold, blue font, centered below the header.

- Discussion draft of strategic vision will be available in winter 2007
- First draft CFP release in spring 2008 – will provide framework / guidance for regional planning
- Will update CFP periodically, incorporating input from RFMP's

State Plan of Flood Control for the Central Valley

State Plan of Flood Control for the Central Valley

- Required by Proposition 1E
- Assemble information about status, management and operation of the joint State and federal flood control system in the Central Valley

State Plan of Flood Control for the Central Valley

- DWR will provide financial assistance to encourage affected communities to participate in developing SPFCCV
- SPFCCV will be updated on a regular basis to document
 - Improvements
 - New projects
 - Repairs
 - Operational changes

State Plan of Flood Control for the Central Valley

- Principal planning steps
 - Update Central Valley hydrology
 - Update hydraulic and economics models
 - Evaluate potential changes to reservoir operations in cooperation with reservoir operators and affected communities
 - Identify and evaluate alternatives for improving performance of State-federal flood management system in the Central Valley

Regional Flood Management Plans

Regional Flood Management Plans

- Purpose
 - Encourage neighboring communities to work together on a regional (ideally watershed) basis to address mutual flood hazards over the next 25 years
 - Help communities identify future structural and nonstructural flood mitigation strategies and measures
 - Develop a “road map” leading to more flood-resistant communities
 - Assist local agencies and the State to define future flood management needs and costs

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- Encourage coordination with Integrated Regional Water Management Plans
- Can draw from existing plans including
 - Community general plans
 - OES/FEMA Local Multi-Hazard Plans
 - Watershed Management Plans
 - FEMA/CRS Floodplain Management Plans
 - Community or Local District Flood Management Plans

Regional Flood Management Plans

- Information from regional flood management plans will inform future updates of
 - State Plan of Flood Control for the Central Valley
 - California Flood Plan

Regional Flood Management Plans

- Content
 - Identify all types of flood hazards (riverine, coastal, alluvial fan, etc.)
 - Perform vulnerability assessments (risk analyses) for current and future land uses
 - Review adequacy of existing ordinances, programs, and plans
 - Review adequacy of existing mitigation measures
 - Identify potential structural and nonstructural strategies and mitigation measures, including costs

Regional Flood Management Plans

- Content (continued):
 - Identify opportunities to incorporate multiple objectives
 - Plan for residual flood risk and system resiliency
 - Identify strategies for meeting State goals (for example, “200-year” minimum urban protection)
 - Identify long-term funding strategies

Regional Flood Management Plans

- Next Steps
 - DWR will develop guidelines for RFMPs and associated grants
 - Will coordinate with Integrated Regional Water Management Plan guidelines
 - Guidelines available by December 2007
 - Funding for regional flood management planning available in early 2008

Delta Levees Subventions, Delta Special Flood Control Projects, DRMS, and Delta Vision

Delta Programs

Delta Levees Program

- FY 2007-08 Bond Funds
 - \$57.9 Million

Delta Levees Subventions Program

- State & Local Program to Protect Delta.
- Maintains 600+ Miles of Delta Levees
- Includes Project & Non-Project Levees
- Supplements Local Emergency Actions
- State Cost Share <75%

Delta Programs

Delta Special Flood Control Projects Program

- State & Local Program to Protect Statewide Interest
- Maintains & Improves 100 miles of Critical Delta Levees
- State Cost Share – Variable, up to 100%

Delta Risk Management Strategy

Determine the risk to Delta assets and Statewide interests resulting from catastrophic levee failure and determine appropriate mitigation measures (three-year contract).

Delta Programs

PHASE 1 RISK AND CONSEQUENCE ANALYSIS

- Public Draft Available mid-April 2007
- Final Available July 2007

PHASE 2 MITIGATION MEASURES

- Public Draft Available mid-September 2007
- Final Available November 2007

Delta Vision Connection

DRMS Report will be one of many reports used by the Delta Vision Blue Ribbon Task Force in its report that will set forth its findings & recommendations on the sustainable management of the Delta by January 1, 2008 and a Strategic Plan for the Delta by December 31, 2008.

**DISCUSSION
and
BREAK**

**Near-Term (FY 2007-08)
Bond Funding
Availability**

FY 2007-08 Bond Funding

Dollars in Millions

Funding Category	Prop. 1E	Prop. 84	Total
Design and Construction Work for Urgent Repairs and Improvements			
Early Implementation Projects (State-fed Project levees)	\$ 170.0	\$ 30.0	\$ 200.0
Repair Critical Erosion (State-fed Project levees)	\$ 50.0	-0-	\$ 50.0
Levee Evaluations (State-fed Project levees)	\$ 30.0	-0-	\$ 30.0
Repair Levee Deficiencies (State-fed Project levees)	\$ 20.0	-0-	\$ 20.0
Sediment Removal Program (Sacramento Valley)	\$ 15.0	-0-	\$ 15.0
Delta Levee Program	-0-	\$ 57.9	\$ 57.9
Non-Project Levee Evaluations (Statewide)	-0-	\$ 10.0	\$ 10.0
Central Valley Capital Outlay for State-federal Projects	\$ 35.2	-0-	\$ 35.2
Feasibility Studies for new State-federal Projects	-0-	\$ 1.7	\$ 1.7
Subtotal	\$320.2	\$99.6	\$419.8

FY 2007-08 Bond Funding

Dollars in Millions

Funding Category	Prop. 1E	Prop. 84	Total
Reimbursement of Local Share of Fed Flood Control Projects Outside Central Valley			
Flood Control Subventions	-0-	\$ 100.0	\$ 100.0
Grants for Construction of Stormwater Flood Management Projects			
Stormwater Flood Management Projects	\$ 102.0	-0-	\$ 102.0
Non-Structural Flood Corridor and Floodplain Delineation Projects			
Floodway Corridor Program	\$ 2.0	-0-	\$ 2.0
Flood Protection Corridor Program	-0-	\$ 25.0	\$ 25.0
Floodplain Delineation Studies	-0-	\$ 25.0	\$ 25.0
Subtotal	\$ 2.0	\$ 50.0	\$ 52.0
Development of Regional and California Flood Plans			
Development of Regional Flood Plans/Feasibility Studies	-0-	\$ 20.0	\$ 20.0
Development of California Flood Plan	-0-	\$ 6.0	\$ 6.0
Subtotal	\$ 0.0	\$ 26.0	\$ 26.0

FY 2007-08 Bond Funding Summary

Dollars in Millions

Funding Category	Prop. 1E	Prop. 84	Total
Design and Construction Work for Urgent Repairs and Improvements	\$320.2	\$99.6	\$419.8
Reimbursement of Local Share of Federal Flood Control Projects Outside Central Valley	- 0 -	\$ 100.0	\$ 100.0
Grants for Construction of Stormwater Flood Management Projects	\$ 102.0	- 0 -	\$102.0
Non-Structural Flood Corridor and Floodplain Delineation Projects	\$ 2.0	\$ 50.0	\$ 52.0
Development of Regional and California Flood Plans	- 0 -	\$26.0	\$26.0
Total	\$ 424.2	\$ 275.6	\$ 699.8 52

Near-Term Bond Funding Available in FY 2007-08

BOND FUNDS SUPPLEMENTING EXISTING PROGRAMS

- Flood Control Subventions Program
- Flood Protection Corridor Program
- Urban Streams Restoration Program

BOND FUNDS FOR NEW GRANT PROGRAMS

- Local Levee Urgent Repairs Program
- Local Levee Evaluation Program

BOND FUNDS FOR URGENT SYSTEM MODS

- State-federal Flood Control System Modification

Flood Control Subventions Program

What is it?

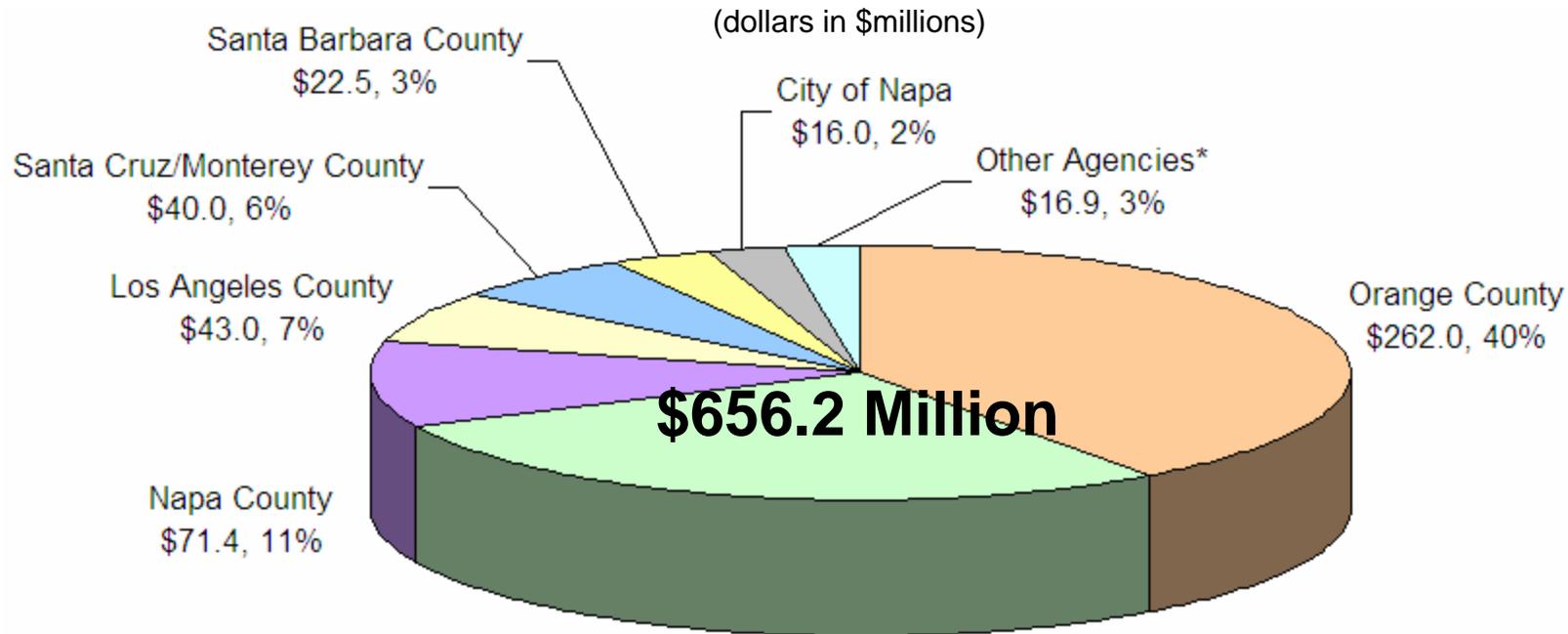
Future Bond Expenditure Forecast

Featured Subventions Projects

What is the Subventions Program?

- Provides financial assistance to local agencies cooperating in the construction of federally authorized flood control projects.
 - Major flood control projects (Corps)
 - Small flood control projects (Corps Section 205)
 - Watershed Protection Flood Prevention Projects (NRCS)
- Reimburses for a portion of the non-federal capital costs of the project (lands, easements, rights-of-way, relocation, 5% cash contribution for major flood control projects)

Forecasted Flood Bond Allocation



Prop 84	\$180.0
Prop 1E	\$500.0
Bond Admin 3.5%	(\$23.8)
Local Agency Total	\$656.2

Santa Clara Valley Water
District
\$184.3, 28%

***Other Agencies Include:**

- San Bernardino County
- Alameda County
- City of Santa Cruz
- City of Oceanside

Authorized vs. Proposed Projects

Currently Authorized Projects

- City of Oceanside
 - San Luis Rey River
- Fresno Metropolitan Flood Control District
 - Redbank/Fancher Creek
- Napa County
 - Napa River
- Orange County
 - Santa Ana Mainstem
- Riverside County
 - Gunnerson Pond
 - Norco Bluffs
 - Santa Ana Mainstem
- San Bernardino County
 - Santa Ana Mainstem
- Santa Clara Valley Water District
 - Coyote/Berryessa Creek
 - Guadalupe River
 - Lower Llagas
 - Lower Silver Creek
 - Upper Llagas
- Santa Cruz
 - San Lorenzo River



Proposed Projects

- Alameda County
 - Estudillo Canal
 - Laguna Creek
- Napa County
 - City of St. Helena Comp
- Santa Barbara County
 - Lower Mission Creek
- Santa Cruz/Monterey Counties
 - Pajaro River/Salsipuedes Creek
- Santa Clara Valley Water District
 - San Francisquito Creek
 - Upper Penitencia Creek

Forecasted Flood Bond Expenditures

(dollars in millions)

Agency / Fiscal Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
Alameda County						2.50	2.00	0.50	2.50				7.50
City of Napa						8.00		4.00	4.00				16.00
Los Angeles County						13.00		10.00	10.00		10.00		43.00
Napa County	16.61	7.44	36.00		11.10	0.30							71.45
City of Oceanside		0.02											0.02
Orange County	43.95	18.52	29.20	35.00	32.30		35.50	33.80	25.30		8.40		261.97
San Bernardino County		5.36	1.50	0.50		0.50							7.86
Santa Barbara County					5.00	12.50		5.00					22.50
City of Santa Cruz	0.05	0.41		0.50		0.40	0.20						1.56
Santa Cruz/Monterey County					7.50		25.00	7.50					40.00
Santa Clara Valley Water District	0.44	21.97	13.40	28.30	4.90	10.40	17.60		37.50	27.60		22.20	184.32
Total	61.04	53.73	80.10	64.30	60.80	47.60	80.30	60.80	79.30	27.60	18.40	22.20	656.2
	PROP 84 FUNDS				PROP 1E FUNDS								

- Proposition 84 - \$180 million
 - \$6.3 Bond Administration
 - \$173.7 Local Agency Reimb.
- Proposition 1E - \$500 million
 - \$17.5 Bond Administration
 - \$482.5 Local Agency Reimb.

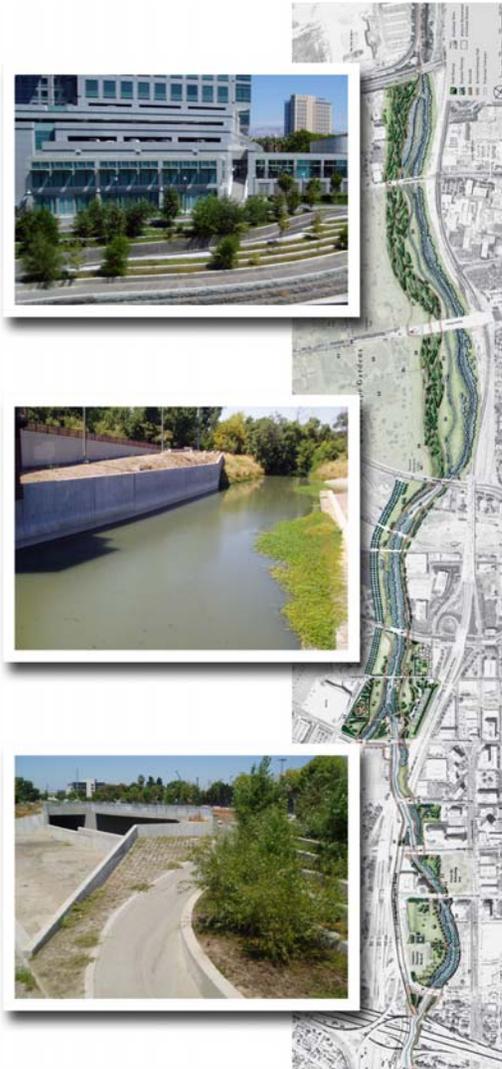
Featured Subventions Projects

Santa Ana River Mainstem Project

- Located in Orange, Riverside, and San Bernardino counties
- Provides increased flood protection for over 3.35 million people
- Construction initiated in 1989
- Main project features include
 - Lower river channel modifications from Prado Dam to the Pacific Ocean (\$367M)
 - Construction of Seven Oaks Dam to provide 350-year flood protection (\$464M)
 - Enlargement of Prado Dam (\$420M)
- \$1.4 billion est. total project cost
- Federal/non-federal cost share 70/30
- Non-federal/State cost share 30/70
- \$161 million in State subvention reimbursements made to date



Featured Subventions Projects (continued)



Downtown Guadalupe River Project

A nationally recognized model in combining effective flood protection, habitat enhancement and restoration, and recreation in an urban area.

- Provides flood protection to downtown San Jose's technology and commercial industries and established residential neighborhoods.
- Protects and improves water quality of the river.
- Preserves and enhances the river's habitat, fish and wildlife.
- Provides recreational and open space benefits.
- \$226.8 million total project cost
- Federal/non-federal cost share 57/43
- Non-federal/State cost share 30/70
- \$45 million in State subvention reimbursements made to date

Featured Subventions Projects (continued)

Napa River Flood Protection Project



- Construction initiated in 2000
- Provides 100-year flood protection from the Napa River and Napa Creek
- Flood protection features include
 - Overbank excavation
 - Floodwalls
 - Levees
 - Bridge relocations
 - Flowage easements
- \$350 million est. total project cost
- Federal/non-federal cost share 50/50
- Non-federal/State cost share 25/75 for Lands; 10/90 for Relocations
- \$65 million in State subvention reimbursements made to date

Flood Protection Corridor Program

Flood Protection Corridor Program

What is it?

The Flood Protection Corridor Program began as a \$70 million grant program established under Proposition 13 in March 2000 for flood risk reduction using non-structural flood management methods

Flood Protection Corridor Program

Current Status

When all Proposition 13 funded FPCP projects have been completed, results will be:

- Non-structural flood benefits from every project
- Over 10,000 acres of agricultural land conserved
- Almost 4,000 acres of wildlife habitat conserved

These areas were all previously at risk for loss of environmental resources through urbanization.

Flood Protection Corridor Program

Program Components

- Acquiring agricultural conservation, wildlife habitat preservation, and floodflow easements
- Restoring floodplain functions
- Structural components as needed to facilitate projects

Flood Protection Corridor Program

Potential Program Benefits

- Safely spread floodwaters over and through floodplains and/or detain floodwaters for later release
- Where appropriate, widen conveyance channels for faster drainage
- Promote and enhance wetland development, recharge water table, and enhance wildlife habitat
- Acquire from willing sellers sites that cannot be made safe from future flooding, and remove or flood-proof at-risk structures.

Flood Protection Corridor Program

New Funding under Proposition 84

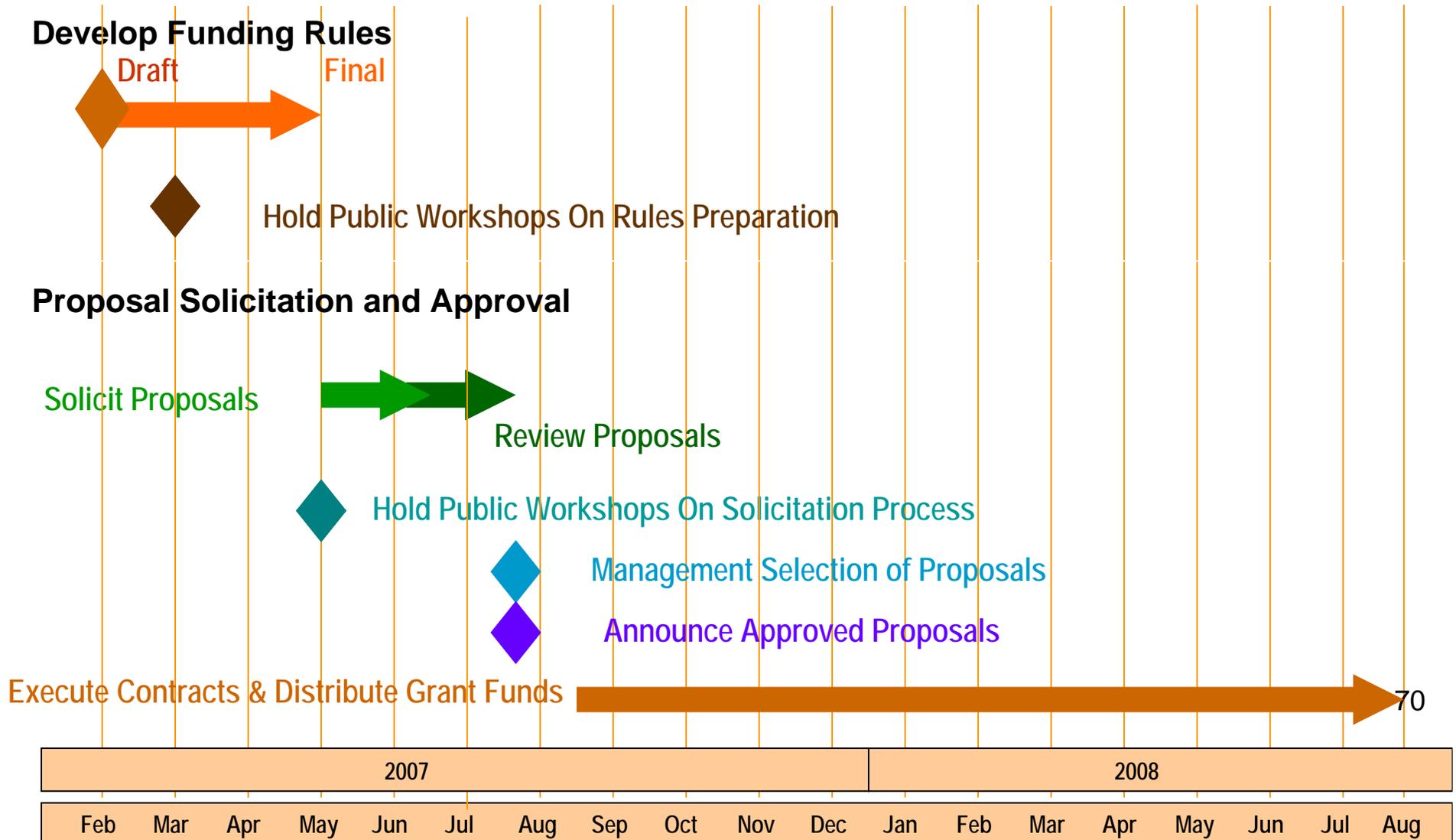
- **\$36 million total available for projects**
- **\$25 million available in FY 2007-08**
- **\$5 million cap per project**

Flood Protection Corridor Program

Development of Funding Rules

- Proposition 84 funding rules based on prior Proposition 13 FPCP regulations with one change
- A proposed project's effect on reducing potential taxpayer liability for costs of flooding is now a project selection criterion
- Funding rules will be circulated for public comments in early March (comments due April 10)

Flood Protection Corridor Program



Flood Protection Corridor Program

Application Process

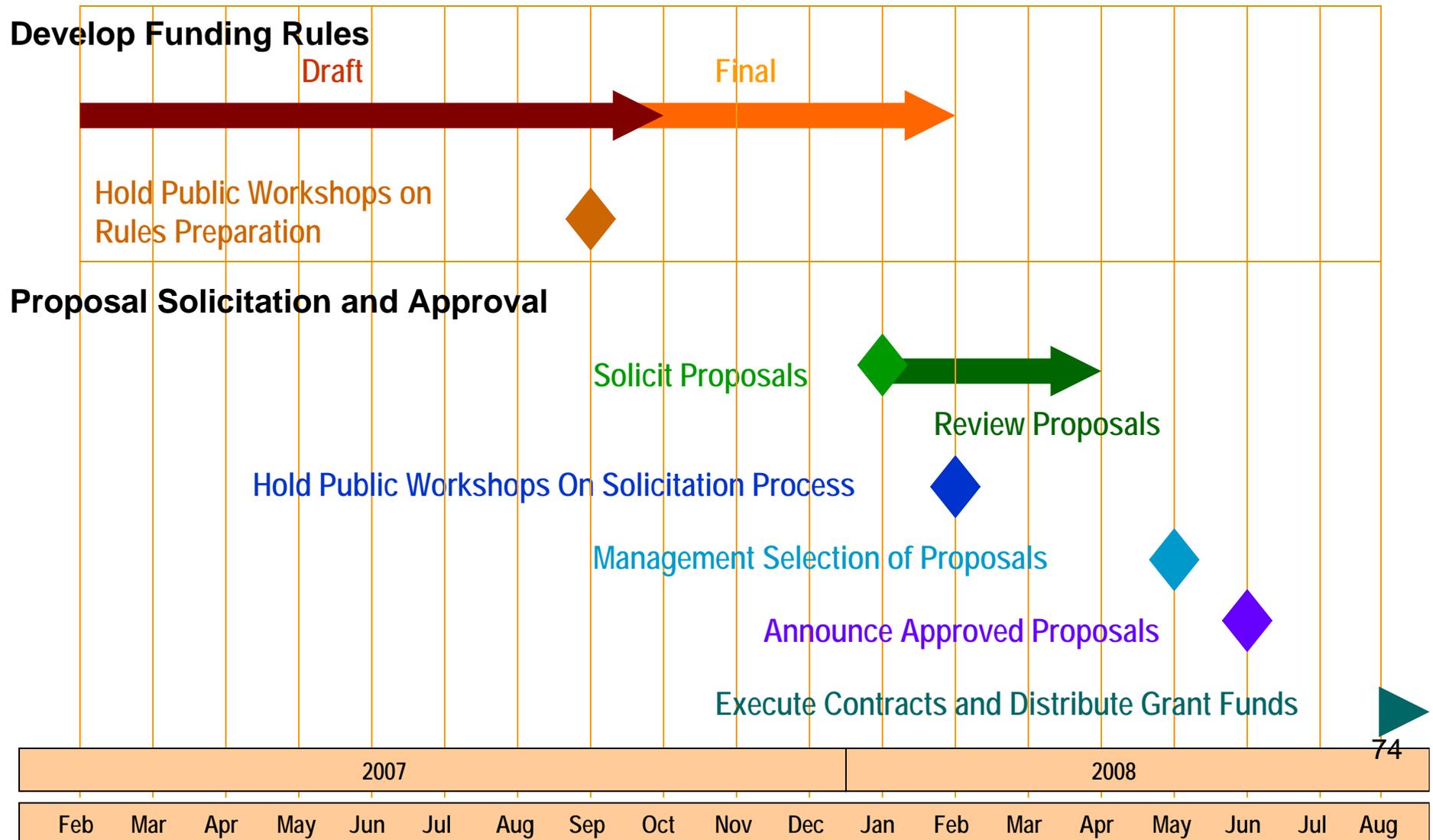
- Application forms and instructions will be on the web site
- There will be a series of workshops in late May to address application-related questions
- Questions can also be submitted by e-mail to floodsafe@water.ca.gov
- Responses will be posted on the web site

Floodway Corridor Program

Floodway Corridor Program

- Description
 - New Program funded from Proposition 1E
 - Similar to Flood Protection Corridor Program except:
 - Projects can be larger, with more structural components, and must result in substantial flood risk reduction for populated areas.
 - Approximately \$240 million available over 10 years beginning in FY 2008-09
 - Will likely require matching funds from non-State sources
- Schedule
 - Rules for allocating the funds will be developed over the next 12 months
 - The first round of funding will be available in July 2008

Floodway Corridor Program



Urban Streams Restoration Program



Urban Streams Restoration Program

Since 1985

Program Objectives

- Help communities reduce damages from stream bank and watershed instability and floods
- Restore environmental and aesthetic values of streams
- Encourage stewardship and maintenance of streams by the community

Urban Streams Restoration Program

Potential Benefits

- Reduce flood damage
- Reduce erosion
- Re-establish fish and wildlife habitat
- Improve water quality
- Increase groundwater recharge
- Provide educational/recreational opportunities
- Encourage community stewardship
- Revitalize/improve economic values

Urban Streams Restoration Program

Potential Project Activities

- Creek cleanups
- Bioengineering bank stabilization
- Vegetation management
- Channel reconfiguration to improve geomorphology
- Land/right-of-way purchases
- Removal/floodproofing of specific structures
- Daylighting of culverted creeks

Urban Streams Restoration Program

Fundable Projects

- Urban stream - in areas zoned residential, commercial, or industrial
- Multi-objective (address flooding/erosion AND restoration)
- Sponsors: local agency AND citizens group
- Strong community involvement

Urban Streams Restoration Program

Funding

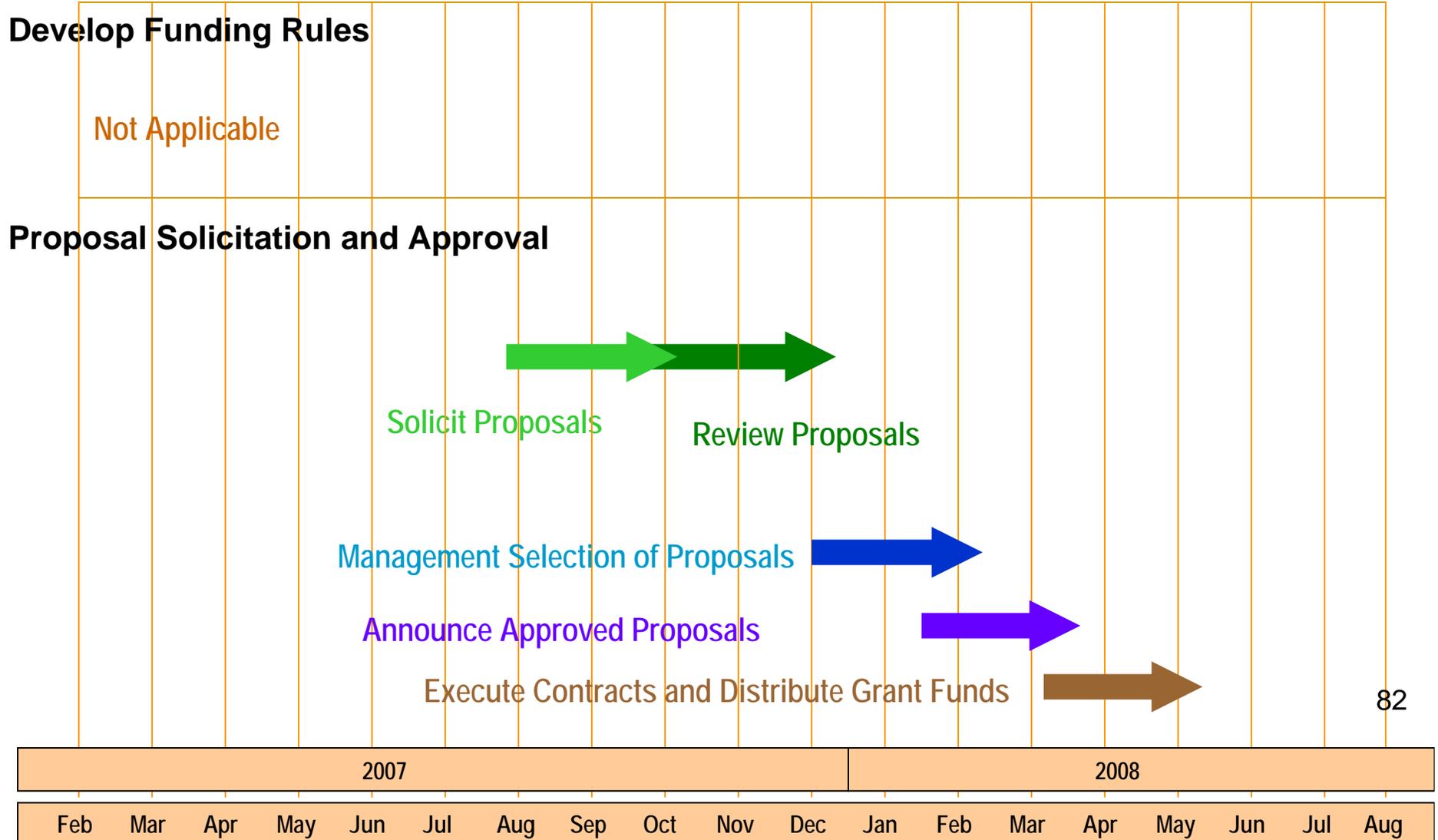
- Over \$30 million in past funding through Propositions 70, 13, 208, and 40 for over 200 projects
- Proposition 84 - \$18 million allocated for grants and program delivery costs
- FY 2007-08 - \$9.1 million in grant funding available
- Grant Cap - \$1 million

Urban Streams Restoration Program

Typical Demand

- 90 applications received
- \$34 million in requests
- \$185 million in total projects
- Average application size - \$387,000

Urban Streams Restoration Program



Urban Streams Restoration Program

For More Information:

- www.watershedrestoration.water.ca.gov/urbanstreams
- Sara Denzler, Program Manager
Phone: (916) 651-9625 e-mail: sdenzler@water.ca.gov
- Vacant, Bay Area contact
- Margie Graham, Northern District contact
Phone: (530) 529-7330 e-mail: margieg@water.ca.gov
- Susan Oldland, Central District contact
Phone: (916) 651-9626 e-mail: susano@water.ca.gov
- Susan Woolam, Southern District contact
Phone: (818) 500-1645 e-mail: susanw@water.ca.gov

Local Levee Grant Programs



Local Levee Grant Programs

Assembly Bill 142 and Proposition 84 Funding

- Approximately \$60 million in FY 2007-08
 - Repair and improve critically damaged local levees
 - Evaluate stability and condition of local levees

Local levees are levees throughout the State that are **not** part of the State Plan of Flood Control for the Central Valley.

Local Levee Grant Programs

- Local Levee Urgent Repairs Program
 - \$40 million
- Local Levee Evaluations Program
 - \$20 million

Guidelines are being developed for both programs.

Local Levee Grant Programs

Local Levee Urgent Repairs Program Applicant Eligibility

- Local governmental entities
- Jurisdiction over the project area, which include levees that are **not** part of the State Plan of Flood Control for the Central Valley
- Ensure operation and maintenance

Local Levee Grant Programs

Local Levee Urgent Repairs Program

Types of Eligible Projects

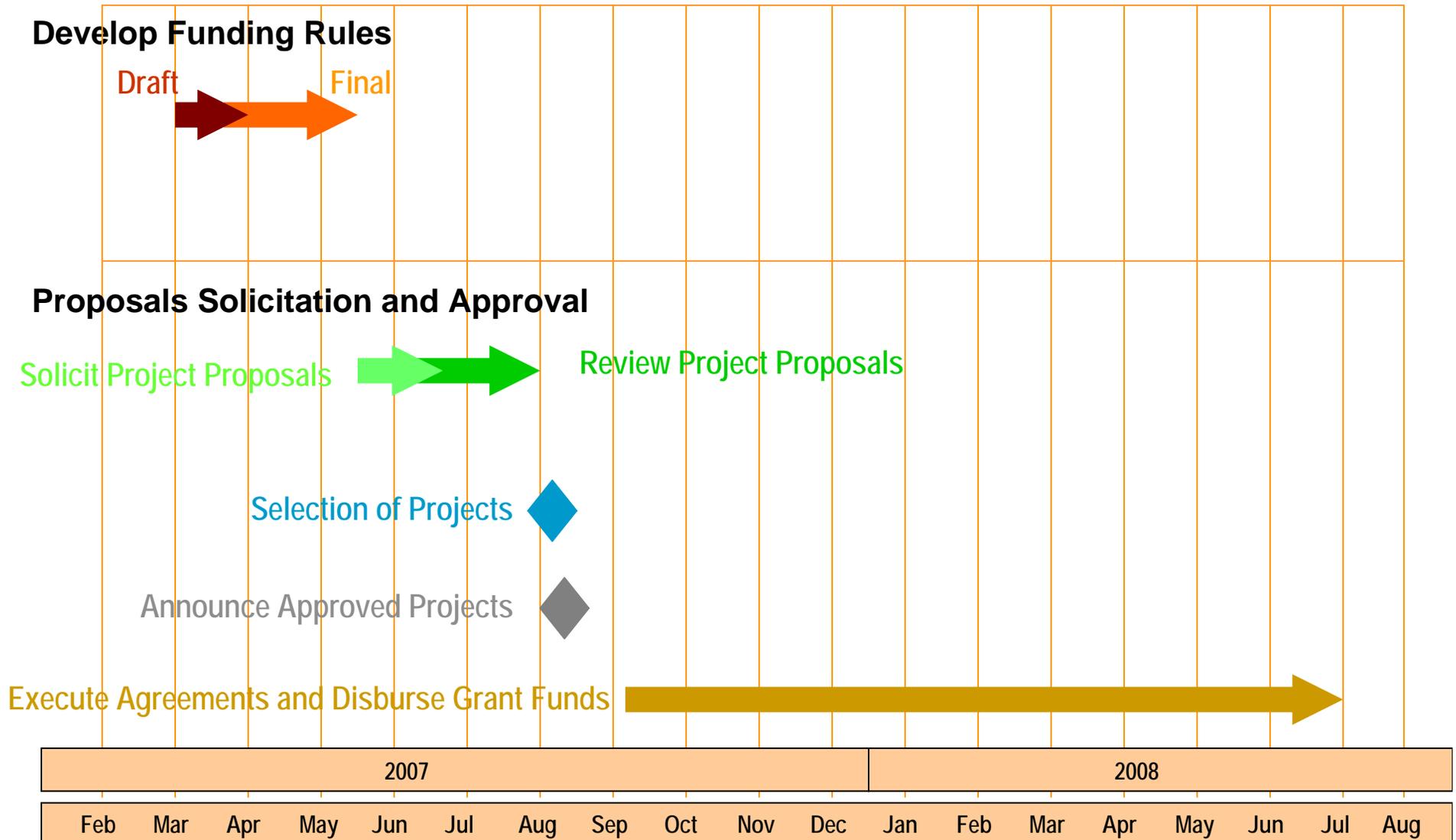
- Projects to immediately repair local levees critically damaged by levee and bank erosion;
- Projects to improve local levees critically damaged by internal erosion;
- Projects to improve local levee slope stability; and
- Projects to improve unstable flood control facilities.

Local Levee Grant Programs

Local Levee Urgent Repairs Program Funding

- Total Allocation: \$40 million
 - One funding cycle (FY 2007-08)
- 50/50 cost-sharing formula
- Grant Cap: \$5 million

Local Levee Urgent Repairs Program



Local Levee Grant Programs

Local Levee Evaluations Program

Applicant Eligibility

- Local governmental entities
- Jurisdiction over the levees proposed for evaluation
- **Not** part of the State Plan of Flood Control for the Central Valley

Local Levee Grant Programs

Local Levee Evaluations Program

Types of Eligible Evaluations

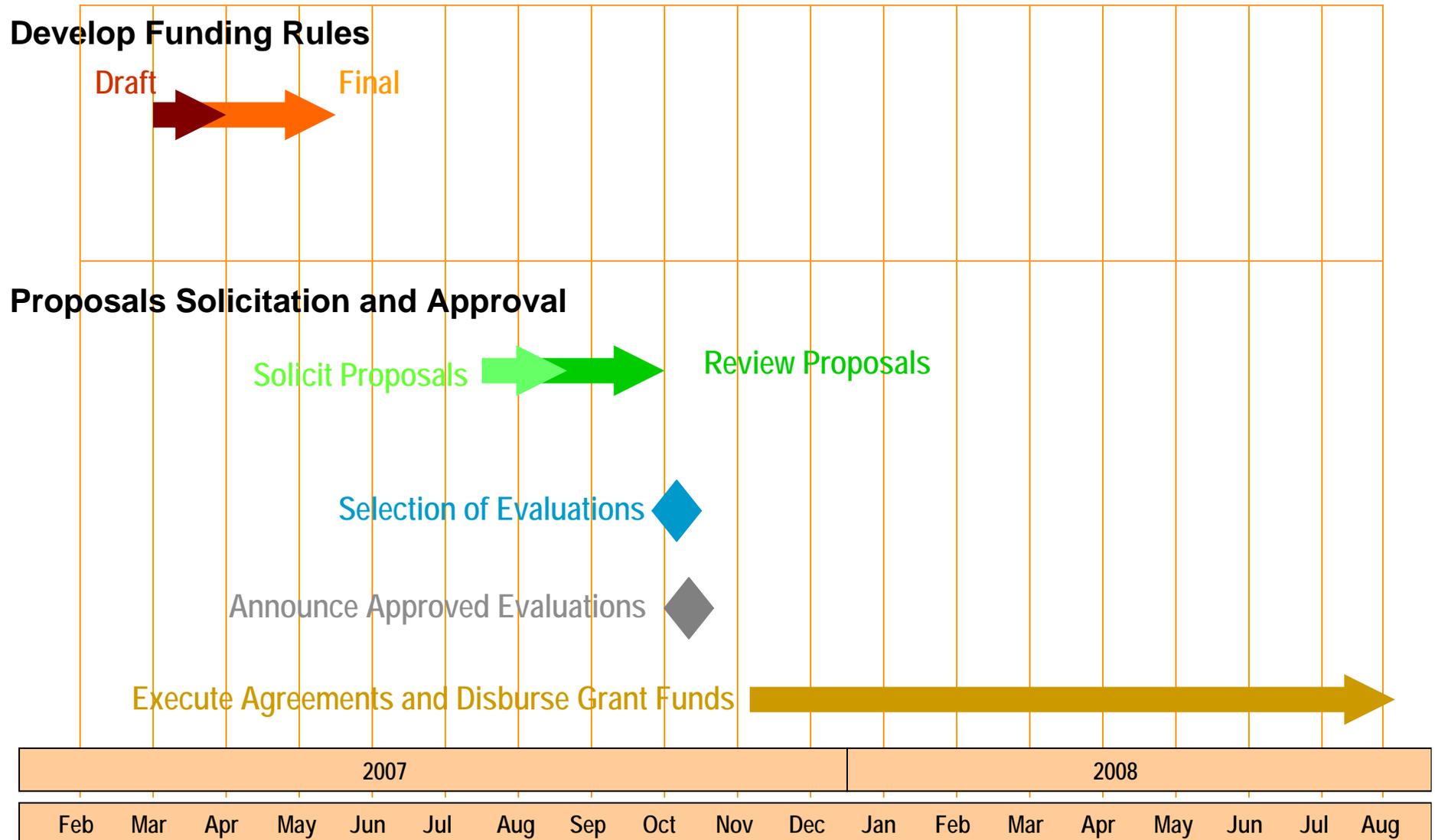
- Evaluate levee stability
- Evaluate levee seepage & underseepage

Local Levee Grant Programs

Local Levee Evaluations Program Funding

- Allocation for FY 2007-08:
 - Approximately \$20 million
- 50/50 cost-sharing formula
- Grant Cap: \$1 million

Local Levee Evaluations Program



Local Levee Grant Programs

- **Release of Draft Funding Rules**
 - Local Levee Urgent Repairs – March 2007
 - Local Levee Evaluations – March 2007

COMMENTS DUE IN APRIL 2007

- **Proposal Solicitation Packages Avail / Due**
 - Local Levee Urgent Repairs May 07 / June 07
 - Local Levee Evaluations July 07 / Sept 07

Local Levee Grant Programs

For More Information

- **Web site links**

- DWR FloodSafe web site <http://www.floodsafe.water.ca.gov>
- DWR Grants and Loans Homepage <http://www.grantsloans.water.ca.gov>

- **Dan Yamanaka, Program Manager**

Phone: (916) 574-0632

e-mail: dany@water.ca.gov

Early Implementation Projects

Multifaceted FloodSAFE Program

1. **Design and construction work for urgent repairs / improvements**, including levee evaluations and Delta levee programs
2. Reimbursement for local share of federal flood control projects construction outside Central Valley
3. Statewide grants for construction of Stormwater Flood Management Projects
4. Non-structural flood corridor projects, urban streams restoration, and floodplain delineations
5. Regional Flood Plans and California Flood Plan

State Federal Flood Control System Modifications

Early Implementation Projects

- The State intends to provide cost-shared funding either to local agencies or to the federal government for projects on the State-federal flood control system that:
 - Are or would become part of the State Plan of Flood Control for the Central Valley
 - Are consistent with the objectives and requirements of Propositions 1E and 84

State Federal Flood Control System Modifications

Early Implementation Projects

- A total of \$200 million has been included in the FY 2007-08 budget for early implementation of State-federal Flood Control System Modification projects in the Central Valley.
- The criteria for selection of Early Implementation Projects are embodied within the Bond Expenditure Plan required by Proposition 1E.

Early Implementation Criteria for State-federal Levees

\$200 million in FY 2007-08 Proposed from Propositions 1E and 84

Project Selection Criteria

- The project is critically needed or otherwise significantly maximizes public benefits, enhances public safety, and reduces state liability.
- The project is ready for early implementation (feasibility investigation and CEQA compliance are near completion) and needs funding in the budget year to maintain or accelerate the design and/or construction schedule.
- The project is economically feasible, taking into account both local and system-wide benefits.

Early Implementation Criteria for State-federal Levees

Project Selection Criteria (continued)

- If the project protects an existing urban area, there is a strategy by the local agency for achieving 200-year or better flood protection for the area and the project fits into the strategy.
- If the project protects a non-urban area, it will restore the design level of flood protection where feasible, consistent with non-urban uses such as agriculture, open space, and habitat in the protected area.
- If the project would improve a levee in place, it is because it is clearly infeasible to move the levee and/or there are no significant flood risk management benefits to moving the levee.

Early Implementation Criteria for State-federal Levees

Project Selection Criteria (continued)

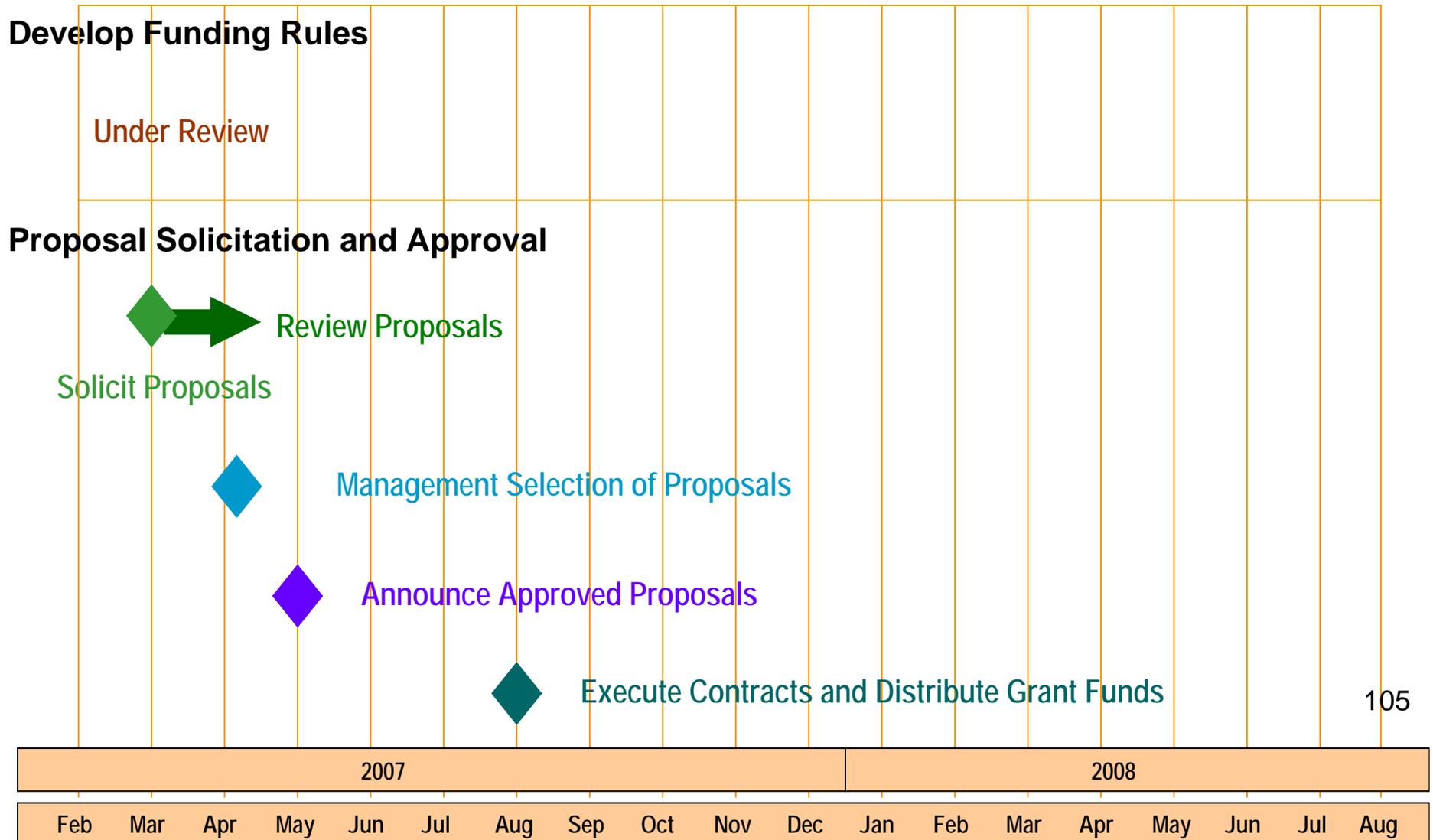
- The project takes advantage of any feasible opportunities to provide additional room for the river to meander, enhancing channel capacity, reducing maintenance, and providing regional flood risk management and environmental benefits.
- The local agency has a sound financial strategy and plan to fund its cost-share to build the project, and to then maintain the completed project.
- The local agency agrees to provide a detailed emergency response plan acceptable to DWR.
- Cities and counties in the protected area formally acknowledge the flood risk.

State Federal Flood Control System Modifications

Early Implementation Projects

- The application package is in the final stages of preparation and legal review, and will be posted on the **floodSAFE** web site in early March 2007.
- Applications for Early Implementation Projects will be accepted through April 2007; projects will be screened (based upon their meeting all the project selection criteria) during May 2007.
- Cost-sharing formulas will be applied to those projects meeting all the project selection criteria; applicants must then demonstrate their financial capability to meet the cost-sharing requirements for their project type.

State-federal Flood Control System Modification Early Implementation Projects



DWR Program Contacts Summary

For Specific Program Information:

Flood Control Subventions Program:

Dena Uding (916) 574-2745

duding@water.ca.gov

Flood Protection Corridor Program (FPCP) and Floodway Corridor Program:

Earl Nelson (916) 574-1244

enelson@water.ca.gov

Urban Streams Restoration Program:

Sara Denzler (916) 651-9625

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DWR Program Contacts Summary (continued)

State-federal Flood Control System Modifications:

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Local Levee Urgent Repairs Program and Local Levee Evaluations Program:

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DWR Program Contacts Summary (continued)

Floodplain Mapping, California Flood Plan, Regional Flood Management Plans, and State Plan of Flood Control for the Central Valley:

Ricardo Pineda (916) 574-0611

rpineda@water.ca.gov

Delta Levees Program and DRMS:

David Mraz (916) 651-7017

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Integrated Regional Water Management Plan Grants and Stormwater Flood Management Projects Grants

Tracie Billington (916) 651-9226

tracieb@water.ca.gov

Flood Control Subventions Program

Purpose	Provide funding to reimburse local agencies with the non-federal share of capital costs associated with federally authorized flood control projects
Eligibility Requirements	Local agencies with authorized projects as outlined in Water Code, §12570, §12750, or, §12850 that are not part of the State Plan of Flood Control
Eligible Uses	Reimbursement of a portion of the local agency's capital costs as outlined in Title 33, Chapter 36, Subchapter 1, §2213 of the U.S. Code (lands, easements, rights-of-way, relocation, and cash contribution)
Ineligible Uses	Projects that are not authorized by the Legislature; costs that are not consistent with Title 33, Chapter 36, Subchapter 1, §2213 of the U.S. Code
Funding Sources in FY 07-08	a) Total Funding Prop 84, §75034: <u>\$180M</u> ; Prop 1E, §5096.824: <u>\$500M</u> b) FY07-08 funding: Prop 84: <u>\$100M</u> ; Prop 1E: <u>\$0</u>
Cost Share	Depending on when the project was authorized, the cost share ranges from 70 to 90% of the local agency's share of the capital costs; federal/non-federal cost share also depends on when project was authorized and ranges from 50/50% to 65/35%
FY 07-08 Dates	N/A

Flood Protection Corridor Program

Purpose	Fund primarily non-structural flood risk reduction projects with ecosystem and/or agricultural land conservation component
Eligibility Requirements	Local agencies, non-profit organizations, and State and federal agencies
Eligible Uses	Land acquisition, project capital costs, planning, design, permitting, mitigation, and project administration
Ineligible Uses	Primarily structural projects
Funding Sources in FY 07-08	Prop 84, \$75032.5; Total funding: <u>\$36M</u> ; FY 07/08: <u>\$25M</u> ; Grant cap: <u>\$5M</u>
Cost Share	Desirable; greater non-State cost share equals higher score in competitive evaluations
FY 07-08 Dates	Guidelines release date: March 2007; Application package release date: May 2007; Application submittal deadline: June 2007; Estimated funding award and commitment date: July 2007

Floodway Corridor Program

Purpose	Similar to FPCP, but projects can be larger
Eligibility Requirements	To be determined; will likely include local, State and federal flood agencies, and non-profits
Eligible Uses	Land acquisition, project capital costs, planning, design, permitting, mitigation, and project administration
Ineligible Uses	
Funding Sources in FY 07-08	Prop. 1E, \$5096.825; only program start-up funds (<u>\$2M</u>) in FY 07-08
Cost Share	Likely will be required
FY 07-08 Dates	Rules release date: September 2007; Application package release date: January 2008; Application submittal deadline: April 2008; Estimated funding award and commitment date: July 2008

Urban Streams Restoration Program

Purpose	Provide funding for communities to address flooding and erosion, restore environmental values and promote stewardship of urban streams
Eligibility Requirements	Urban stream project sponsored by local agency and community group
Eligible Uses	Project capital costs, design, permitting, land/easement acquisition, costs of organizing community participation and project administration
Ineligible Uses	Ongoing operation and maintenance
Funding Sources in FY 07-08	Prop 84, §75050(e) - Total funding: <u>\$18M</u> ; FY 07/08: <u>\$9.1M</u> ; Grant cap: <u>\$1M</u>
Cost Share	No specific local match required but evidence of significant community involvement considered for higher ranking for funding
FY 07-08 Dates	Application package release: Summer 2007; Submittal deadline: Fall 2007; Funding award: Winter 2008

Local Levee Urgent Repair Program

Purpose	Provide funding to repair local levees critically damaged by erosion and improve local levee stability
Eligibility Requirements	Local agencies with <u>NON-State Plan of Flood Control for the Central Valley</u> facilities
Eligible Uses	Capital costs for flood risk reduction projects designed to repair erosion damage or improve levee stability
Ineligible Uses	Facilities part of the <u>State Plan of Flood Control for the Central Valley</u>
Funding Sources in FY 07-08	Prop 84, §75032: <u>\$40M</u>
Cost Share	50% State/50% Local cost-share will be required
FY 07-08 Dates	Guidelines release date: March 2007; Application package release date: May 2007; Application submittal deadline: June 2007; Estimated funding award and commitment date: August 2007

Local Levee Evaluation Program

Purpose	Provide funding to evaluate local levees
Eligibility Requirements	Local agencies with <u>NON-State Plan of Flood Control for the Central Valley</u> facilities
Eligible Uses	Capital costs for levee evaluations to identify deficiencies and areas of problem
Ineligible Uses	Facilities that are part of the <u>State Plan of Flood Control for the Central Valley</u>
Funding Sources in FY 07-08	AB 142 and Prop 84, §75032: <u>\$20M</u>
Cost Share	50% State/50% Local cost-share will be required
FY 07-08 Dates	Guidelines release date: March 2007; Application package release date: July 2007; Application submittal deadline: September 2007; Estimated funding award ₁₄ and commitment date: October 2007

State-federal Flood Control System Modifications Program

Purpose	Provide funding to construct flood protection improvements for Central Valley communities
Eligibility Requirements	Local agencies with <u>State Plan of Flood Control for the Central Valley</u> facilities
Eligible Uses	Capital costs for flood risk reduction projects designed to repair, improve, replace or add <u>State Plan of Flood Control for the Central Valley</u> facilities
Ineligible Uses	Facilities not part of the <u>State Plan of Flood Control for the Central Valley</u>
Funding Sources in FY 07-08	FY 07-08: Prop 84, \$75032 and Prop 1E, \$5096.821; <u>\$200M</u>
Cost Share	Cost-share either from local agencies or the federal government
FY 07-08 Dates	Criteria will be posted on the floodSAFE website upon approval of the Bond Expenditure Plan

Delta Levees Subventions and Special Projects

Purpose	Provide funding to reimburse local agencies in the Delta and Suisun Marsh for levee maintenance and improvements, mitigation, and environmental enhancements
Eligibility Requirements	Local agencies in the Delta and portions of the Suisun Marsh as outlined in Water Code, §12200 et seq
Eligible Uses	Reimbursement of a portion of the local agency's levee maintenance and improvement costs, and to provide mitigation and environmental enhancement associated with Delta and Suisun Marsh levee maintenance and improvements
Ineligible Uses	Special Projects outside of the Delta Primary Zone
Funding Sources in FY 2007-08	a) Total Funding Prop 84, §75033: <u>\$275M</u> ; Prop 1E, §5096.821: <u>portion of \$3B</u> b) FY07-08 funding: Prop 84: <u>\$57.87M</u> ; Prop 1E: <u>\$0</u>
Cost Share	Subventions: up to 75 percent of levee maintenance costs and 100 percent of mitigation costs. Special Projects: up to 100 percent of costs.
FY 07-08 Dates	N/A

Stormwater Flood Management Projects

Purpose	Manage stormwater runoff to reduce flood damage
Eligibility Requirements	To be determined; will likely include public agencies. Projects must be consistent with any applicable Integrated Regional Water Management plans and Regional Water Quality Control plan.
Eligible Uses	Land acquisition, project capital costs, planning, design, permitting, mitigation, and project administration
Ineligible Uses	Facilities part of the State Plan of Flood Control
Funding Sources in FY 07-08	Prop. 1E, \$5096.827; Total funding: <u>\$300M</u> ; FY 07/08: <u>\$102.025M</u>
Cost Share	50 percent
FY 07-08 Dates	Draft rules release date: June 2007; Final rules and Application package release date: September 2007; Estimated funding award and commitment date: June 2008

THANK YOU FOR YOUR PARTICIPATION

CHECK THE FLOODSAFE WEB SITE
FOR UPDATES ON IMPLEMENTATION
OF BOND FUNDED PROGRAMS

www.floodsafe.water.ca.gov