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
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: 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.
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
Existing and New

- 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
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

- **Central Valley**: $3.275 billion (67%) for repair and improvements to levees and flood projects in the State and Federal Project system and the Delta.
- **Outside Central Valley**: $680 million (14%) for subventions (federal flood control projects outside of the Central Valley, primarily Bay Area and Southern California).
- **Statewide**: $935 million (19%) for floodplain mapping, flood corridors, stormwater grants and other flood improvements statewide.
## 2006 Voter Approved Bond Funding

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<th>Funding Category</th>
<th>Prop. 1E</th>
<th>Prop. 84</th>
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## Propositions 1E and 84 Bond Funds

### Potential Bond Funding for Flood Management Facilities

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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
Near-Term Programs / Funding Opportunities

- 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
Planning and Information Gathering

- 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**

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<th>Year</th>
<th>Non-Urban State-federal Project Levee Evaluations (led by DWR)</th>
<th>Urban State-federal Project Levee Evaluations (led by DWR)</th>
<th>Delta Vision</th>
<th>Non-Project Statewide Levee Evaluations (led by local agencies)</th>
<th>Regional and California Flood Plans (led by both DWR and by regional agencies)</th>
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</table>
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

$ in millions
Proposition 1E

• $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
Flood Planning for California

- 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
California Flood Plan

• 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
California Flood Plan

• 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
• Required by Proposition 1E

• Assemble information about status, management and operation of the joint State and federal flood control system in 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
• 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
Regional Flood Management Plans

• 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 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 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).
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
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

<table>
<thead>
<tr>
<th>Funding Category</th>
<th>Prop. 1E</th>
<th>Prop. 84</th>
<th>Total</th>
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<tr>
<td><strong>Design and Construction Work for Urgent Repairs and Improvements</strong></td>
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**Total** $419.8 million
## FY 2007-08 Bond Funding

Dollars in Millions

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## FY 2007-08 Bond Funding Summary

Dollars in Millions

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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

(dollars in $millions)

Santa Barbara County
$22.5, 3%

Santa Cruz/Monterey County
$40.0, 6%

Los Angeles County
$43.0, 7%

Napa County
$71.4, 11%

City of Napa
$16.0, 2%

Other Agencies*
$16.9, 3%

Orange County
$262.0, 40%

$656.2 Million

*Other Agencies Include:
- San Bernardino County
- Alameda County
- City of Santa Cruz
- City of Oceanside

Local Agency Total $656.2

Prop 84 $180.0
Prop 1E $500.0
Bond Admin 3.5% $(23.8)
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)

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</table>

**PROP 84 FUNDS**

- Proposition 84 - $180 million
  - $6.3 Bond Administration
  - $173.7 Local Agency Reimb.

**PROP 1E FUNDS**

- 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
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.
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.
Program Components

• Acquiring agricultural conservation, wildlife habitat preservation, and floodflow easements

• Restoring floodplain functions

• Structural components as needed to facilitate projects
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.
FPCP Project Locations

La Barranca
Clover Creek
Feeny-Lerch
Sundance/Lakeview
Lower Dry Creek & Miners Ravine
Big Bend
Mystic Lake
Temescal-Bedford Wash (Dos Lagos)
Aliso Creek
Murrieta Creek
Santa Maria River
Santee
Lakeside San Diego Park

Napa River
Staten Island
Vierra Ranch
Upper Pajaro River
East Side Bypass
Ojai Meadows
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
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

Develop Funding Rules
- Draft
- Final

Proposal Solicitation and Approval
- Solicit Proposals
- Review Proposals
- Hold Public Workshops On Rules Preparation
- Hold Public Workshops On Solicitation Process
- Management Selection of Proposals
- Announce Approved Proposals

Execute Contracts & Distribute Grant Funds

2007 - 2008

Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug
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

Develop Funding Rules
- Draft
- Final

Hold Public Workshops on Rules Preparation

Proposal Solicitation and Approval
- Solicit Proposals
- Review Proposals
- Hold Public Workshops on Solicitation Process
- Management Selection of Proposals
- Announce Approved Proposals
- Execute Contracts and Distribute Grant Funds

2007
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

2008
- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
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

Develop Funding Rules

Not Applicable

Proposal Solicitation and Approval

Solicit Proposals

Review Proposals

Management Selection of Proposals

Announce Approved Proposals

Execute Contracts and Distribute Grant Funds

2007

2008
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

Develop Funding Rules
- Draft
- Final

Proposals Solicitation and Approval
- Solicit Project Proposals
- Review Project Proposals
- Selection of Projects
- Announce Approved Projects

Execute Agreements and Disburse Grant Funds

<table>
<thead>
<tr>
<th>2007</th>
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</thead>
<tbody>
<tr>
<td>Feb</td>
<td>Mar</td>
</tr>
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</table>
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

Develop Funding Rules
- Draft
- Final

Proposals Solicitation and Approval
- Solicit Proposals
- Review Proposals
- Selection of Evaluations
- Announce Approved Evaluations
- Execute Agreements and Disburse Grant Funds

Calendar:
- 2007: Feb, Mar, Apr, May, Jun, Jul, Aug
- 2008: Jan, Feb, Mar, Apr, May, Jun, Jul, Aug
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
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.
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.
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.
• 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.
Develop Funding Rules

Under Review

Proposal Solicitation and Approval

Solicit Proposals

Review Proposals

Management Selection of Proposals

Announce Approved Proposals

Execute Contracts and Distribute Grant Funds

2007

Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug

2008

Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug
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
sdenzler@water.ca.gov
DWR Program Contacts Summary (continued)

State-federal Flood Control System Modifications:
George Qualley  (916) 574-0384
qualley@water.ca.gov

Local Levee Urgent Repairs Program and Local Levee Evaluations Program:
Dan Yamanaka  (916) 574-0632
dany@water.ca.gov
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) 574-1475
rpineda@water.ca.gov

Delta Levees Program and DRMS:

David Mraz  (916) 651-7017
dmraz@water.ca.gov

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

Tracie Billington  (916) 651-9226
tracieb@water.ca.gov
# Flood Control Subvention Program

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Provide funding to reimburse local agencies with the non-federal share of capital costs associated with federally authorized flood control projects</th>
</tr>
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<tbody>
<tr>
<td><strong>Eligibility Requirements</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Eligible Uses</strong></td>
<td>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)</td>
</tr>
<tr>
<td><strong>Ineligible Uses</strong></td>
<td>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</td>
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</tbody>
</table>
| **Funding Sources in FY 07-08** | a) Total Funding Prop 84, §75034: $180M; Prop 1E, §5096.824: $500M  
   b) FY07-08 funding: Prop 84: $100M; Prop 1E: $0 |
| **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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Provide funding to reimburse local agencies in the Delta and Suisun Marsh for levee maintenance and improvements, mitigation, and environmental enhancements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligibility Requirements</td>
<td>Local agencies in the Delta and portions of the Suisun Marsh as outlined in Water Code, §12200 et seq</td>
</tr>
<tr>
<td>Eligible Uses</td>
<td>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</td>
</tr>
<tr>
<td>Ineligible Uses</td>
<td>Special Projects outside of the Delta Primary Zone</td>
</tr>
</tbody>
</table>
| Funding Sources in FY 2007-08 | a) Total Funding Prop 84, §75033: $275M; Prop 1E, §5096.821: portion of $3B  
   b) FY07-08 funding: Prop 84: $57.87M; Prop 1E: $0 |
| 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

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Manage stormwater runoff to reduce flood damage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eligibility Requirements</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Eligible Uses</strong></td>
<td>Land acquisition, project capital costs, planning, design, permitting, mitigation, and project administration</td>
</tr>
<tr>
<td><strong>Ineligible Uses</strong></td>
<td>Facilities part of the State Plan of Flood Control</td>
</tr>
<tr>
<td><strong>Funding Sources in FY 07-08</strong></td>
<td>Prop. 1E, §5096.827; Total funding: $300M; FY 07/08: $102,025M</td>
</tr>
<tr>
<td><strong>Cost Share</strong></td>
<td>50 percent</td>
</tr>
<tr>
<td><strong>FY 07-08 Dates</strong></td>
<td>Draft rules release date: June 2007; Final rules and Application package release date: September 2007; Estimated funding award and commitment date: June 2008</td>
</tr>
</tbody>
</table>
THANK YOU FOR YOUR PARTICIPATION

CHECK THE FLOODSAFE WEB SITE

FOR UPDATES ON IMPLEMENTATION

OF BOND FUNDED PROGRAMS

www.floodsafe.water.ca.gov