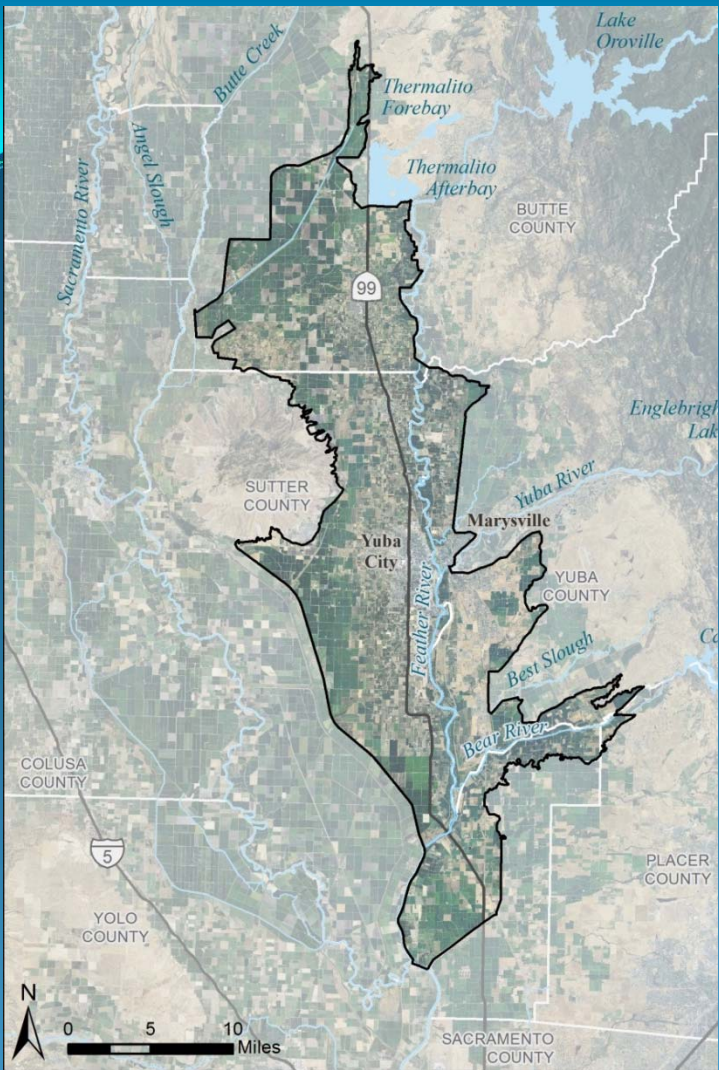


# Feather River Regional Flood Management Plan

## *Plan Formulation Workshop 1*

*June 5, 2013*



**Marysville  
Levee  
Commission**





# Welcome

- Introductions and Housekeeping
- Meeting Objectives
  - Gain understanding of FRRFMP and connection to CVFPP
  - Why the FRRFMP matters
  - Share rough draft of FRRFMP elements
  - Describe ways to participate in the FRRFMP





# Agenda

- Welcome, Introductions and Agenda Review
- Regional Planning: What is it and why now?
- Stakeholder Participation: Why get involved?  
Opportunities for involvement
- Review of draft plan
- Q and A
- Breakout Stations
  - Agriculture
  - CVFPP/Basinwide Studies
  - Emergency Response
  - Environmental/Recreation
  - Finance
  - Urban

# Memorandum of Understanding

## Partner Agencies:

- Sutter Butte Flood Control Agency (SBFCA)
- Marysville Levee Commission (MLC)
- Three Rivers Levee Improvement Authority (TRLIA)
- Yuba County Water Agency (YCWA)



**Marysville  
Levee  
Commission**





# Feather River

## Regional Flood Management Plan

- **Purpose:** Build upon the CVFPP by describing regional flood management challenges and deficiencies, identifying solution strategies and projects, setting priorities, and developing a local financing plan for their implementation which leverages local, State, and federal funding opportunities.
- **Duration:** 18 months
- **Budget:** \$1.1M
- **Funding:** DWR Grant

# Coordinating Committee

- Steve Lambert primary; Bill Connelly alternate (SBFCA/Butte County)
- James Gallagher primary; Kash Gill alternate (SBFCA/Sutter County)
- Dave Lamon primary; Al Montna alternate (SBFCA/LMAs)
- Mary Jane Griego primary; John Nicoletti alternate (YCWA/TRLIA/Yuba County)
- Patrick Ajuria primary; Jerry Crippen alternate (Marysville Levee District)
- Roger Abe primary; Sardeep Atwal alternate (YCWA/Yuba County)

Agency Staff: Curt Aikens, Robert Bendorf, Paul Brunner, Mike Inamine

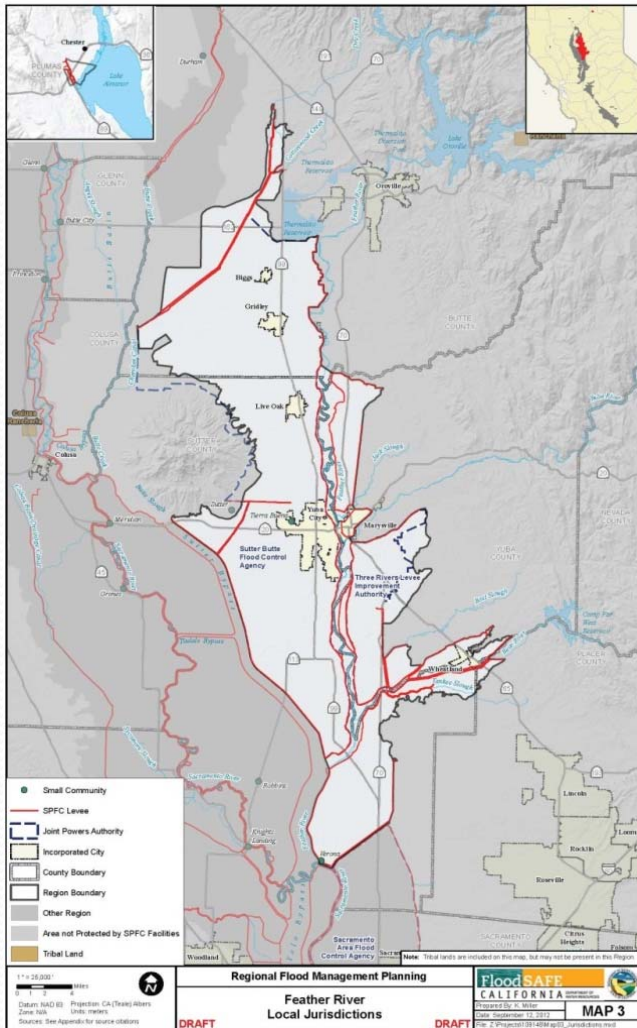




# Feather River RFMP Team

- MBK Engineers – Program Management
- GEI – Plan Formulation and Engineering
- Downey Brand – Strategic Planning and Legal
- Kim Floyd Communications – Public Outreach
- Seth Wurzel Consulting – Finance Plan
- Environmental & Agricultural Team
  - ICF International – Team Lead
  - Ascent Environmental, HDR, H.T. Harvey, Westervelt, and CBEC

# Feather River Regional Stakeholders



- 4 Counties – Sutter, Yuba, Butte, and Placer
- 6 Cities – Yuba City, Live Oak, Biggs, Gridley, Marysville, and Wheatland
- 4 Flood Control Agencies – Sutter Butte Flood Control Agency (SBFCA), Three Rivers Levee Improvement Authority (TRLIA), the Yuba County Water Agency (YCWA), and the Marysville Levee Commission (MLC)
- 9 LMAs – RDs 10, 784, 817, 2103, 1001, LDs 1 and 9, Marysville Levee District and State Maintenance Areas (MAs) 5, 7, 13, & 16 (DWR Sutter Yard)
- 2 Small Communities – Rio Oso and Nicolaus
- 21 Currently identified Stakeholder Groups – Including Farm Bureau, Growers, Enterprise Rancheria, Environmental groups/NGOs, Water groups, Chambers of Commerce, Schools, Building and Realty groups, and Citizen and Neighborhood associations





# Outreach Approach

- Stakeholder identification
- Feather River Regional Plan website: <http://frrfmp.com>
- Regional plan hotline: 530-845-5988
- Small-group meetings
- Planning meetings (governance)
- Public workshops (3)
- Updates to Cities/Counties/Resource Agencies
- Outreach materials (electronic communications)



# Planning Approach

- Flood Management Goals and Objectives
- Problems and Opportunities
- Solution Strategies and Management Actions
- Alternative Formulation
- Alternatives Evaluation, Comparison, and Priorities
- Residual Risk and Floodplain Management
  - O&M
  - Emergency Response Planning
  - Land Use and Environmental Enhancement
- Financial Plan





# Goals and Objectives

- 200-year protection for urban areas
- 100-year protection for small communities
- Improved flexibility and sustainability
- Strengthen regional economy
- Modify State/federal regulations to support agriculture in floodplains

# Goals and Objectives:

## Agricultural Preservation & Ecosystem Enhancement Principles

- Support a vibrant, sustainable agricultural economy
- Harmonize ecosystem enhancements with existing local and regional land uses to the extent feasible, including agriculture and other ongoing regional habitat enhancement efforts
- Achieve habitat objectives through agriculture where feasible





# Problems

- Regional levee system deficiencies
- Channel capacities and management
- Reservoirs
- Fisheries and wildlife habitat
- Flood system operation and maintenance
- Water Quality
- Increasing flood risks—development and weather patterns
- Levees and floodplains—Decertification and remapping
- Land use conflicts
- Funding limitations



# Opportunities

- Leverage a variety of State, federal, and NGO funding sources
- Alignment with Basin-Wide Feasibility Studies
- Regional habitat enhancement planning—reduce regulatory constraints
- Improving levee repair technology
- Improving forecasting technology





# Solutions

- Levees: Structural improvements, setback levees, ring levees
- Channels: Erosion repairs, sediment and vegetation management, corridor management plans, streamlined permitting
- Reservoirs: Re-operation and structural improvements
- Streamline permitting for projects and O&M
- Residual risk management incentives, programs, opportunities, including personal emergency preparedness



# Key Project Elements

- Urban flood management projects
- Small communities flood management projects
- Rural Levee Repairs
- Non-structural measures and improved emergency response
- Coordination with DWR's Sacramento River Basin-Wide Feasibility Study, other RFMPs, and the USACE Central Valley Integrated Flood Management Study





# CVFPP Conservation Strategy

- The Conservation Strategy is:
  - A supporting document of the CVFPP
  - Identifies ecological needs in each Region
  - Helps in development of multi-benefits projects and permitting for individual projects and long-term operation and maintenance
  - Element of system-wide permitting strategy



# CVFPP Conservation Strategy

- Next Steps
  - Public technical workshops began in early May
  - Opportunity to identify ecological needs, indicators, targets, and objectives
- For more information:

Tony Danna: [Jack.Danna@water.ca.gov](mailto:Jack.Danna@water.ca.gov)

(916) 651-0189

<http://www.water.ca.gov/floodsafe/fessro/floodway/conservation/>





# Financial Plan

- High-level analysis evaluating the financial feasibility of implementing the identified and prioritized projects
- Three key steps:
  - Review regional economic setting and growth profile of the region
  - Evaluate potential non-local funding sources
  - Identify and evaluate feasibility of identified local funding sources

# Questions?

