

Bay Area Integrated Regional Water Management Plan (IRWMP) Update Meeting



Local Kick-off for Napa River & Suisun Creek Watershed Stakeholders

Welcome!

5:30 - 7:30 pm
February 21, 2012
Yountville Community Center

**Bay Area
Integrated Regional
Water Management Plan (IRWMP)
Update**

**Kick-off Meeting for
Napa River and Suisun Creek
Watershed Stakeholders**

5:30 - 7:30 pm, February 21, 2012
Yountville Community Center

Help Identify Water Resource Priorities for Our Region
Do you live in the Napa River or Suisun Creek watersheds?
Do you care about water supply, flood management, ecosystem health, or the environment in this watershed?

Local public agencies are partnering to identify and address regional water resource challenges and opportunities within the watershed. With input from their communities, these public agencies will contribute to updating the Bay Area Integrated Regional Water Management Plan by late 2012.

The Plan includes:

- Water supply reliability
- Flood management
- Water conservation
- Ecosystem health restoration
- Water quality management
- Wetlands enhancement and protection
- Stormwater management
- Environmental and habitat improvements and protection

Kick-off Meeting

- Learn about plan objectives and the activities for completing the update
- Discover what types of projects are being sought for inclusion in the plan update
- Hear project owners' views on the project objectives - they don't have to agree with us!
- Find out how the project database will be shared with participants in integrated water resource planning and coordination for potential funding opportunities.

Resources
www.integratedwaterforbayarea.org
http://irwmp.org

Contact: info@bayareawaterforbayarea.org

The Bay Area IRWMP Plan is developed under a Proposition 40, 65-
Permitting and State and California Department of Water Resources.

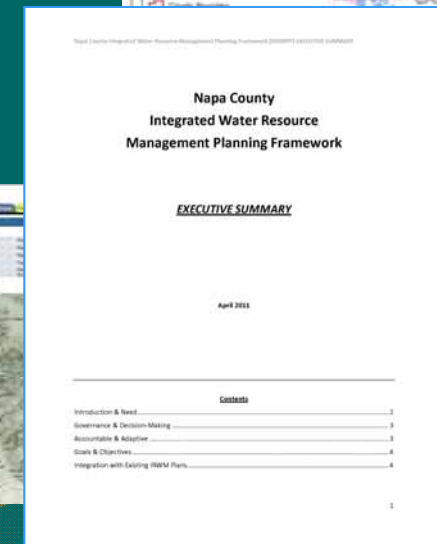
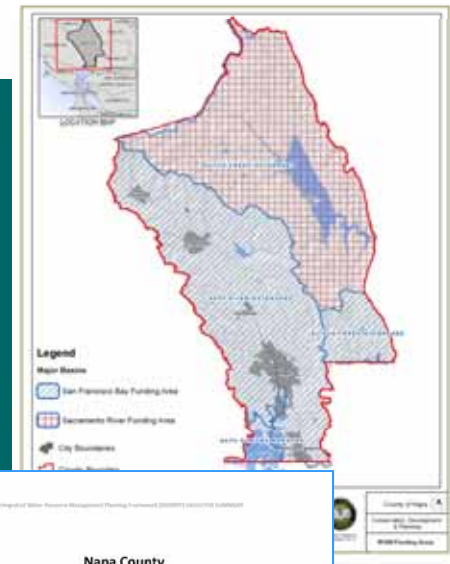


Welcome & Overview

Phillip Miller,
Deputy Director for Flood Control and Water Resources
Napa County Public Works

Agenda Review

- Update on Bay Area & Sub-Regional IRWMP Efforts
 - ◆ What is IRWMP
 - ◆ The Bay Area Funding Area
- Local Planning Efforts & Framework
- WICC Project Database
- Project Sharing





What is IRWM?

Status of the Bay Area IRWM Plan?

Harry Seraydarian,
Executive Director
North Bay Watershed Association



Bay Area Integrated Regional Water Management Plan



Napa Area Meeting
February 21, 2012

Presentation Outline

- ◆ Overview of the Integrated Regional Water Management (IRWM) Program
- ◆ Bay Area IRWM 2013 Plan Update
- ◆ Implementation projects through Prop 84
- ◆ Subregional process

What is IRWM?

- ◆ Collaborative effort to manage all aspects of water resources in a region
- ◆ Crosses jurisdictional, watershed, and political boundaries
- ◆ Involves multiple agencies, stakeholders, individuals, and groups
- ◆ Attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions

What is a region?

Region defined as “participation of at least three agencies, two of which have statutory authority over water management, which may include water supply, water quality, flood control, or storm water management.”

But almost all regions have many more participating agencies and cover a large geographical area.

Bay Area Region



Why do IRWM?

IRWM planning should be “designed to improve regional water supply reliability, water recycling, water conservation, water quality improvement, storm water capture and management, flood management, recreation and access, wetlands enhancement and creation, and environmental and habitat protection and improvement.”

California Water Code §79564

Functional Areas

Water Supply
and Water
Quality

Wastewater/
Recycled Water

Flood
Protection and
Stormwater
Management

Watershed
Management,
Protection, and
Restoration

When did IRWM start?

- ◆ Voters passed Prop 50 (Water Security, Clean Drinking Water, Coastal and Beach Protection Act) in November 2002
- ◆ Prop 50 included \$500M for IRWM grants
- ◆ Intent was to encourage regional cooperation in water resources planning and flood protection and stormwater management

Prop 50 funds

- ◆ Voters passed Prop 50 (Water Security, Clean Drinking Water, Coastal and Beach Protection Act) in November 2009
- ◆ Prop 50 includes \$1.5B for IRWM
- ◆ Intended to encourage regional cooperation in water resources planning and flood protection and stormwater management

How is IRWM done?

- ◆ State provides grant funding
 - Regions had to be approved by the Department of Water Resources (DWR)
 - Planning grants to develop and improve IRWM plans
 - Implementation grants to construct projects in IRWM plans

Proposition 84

- ◆ Prop 84 Planning Grants
- ◆ Prop 84 Implementation Grants

Proposition 84

- ◆ Safe Drinking Water, Water Quality, and Supply, Flood Control, River and Coastal Protection Bond Act
- ◆ Passed by voters in November 2006
- ◆ \$1 billion for IRWM planning and implementation shared by 11 funding areas
- ◆ Bay Area allocated \$138 million
- ◆ Funding requires a grant application and approval of projects

Prop 84

\$1 Billion for IRWM

- ◆ \$900M allocated to 11 funding areas
- ◆ Includes both planning and implementation grants
- ◆ \$100M allocated for interregional use

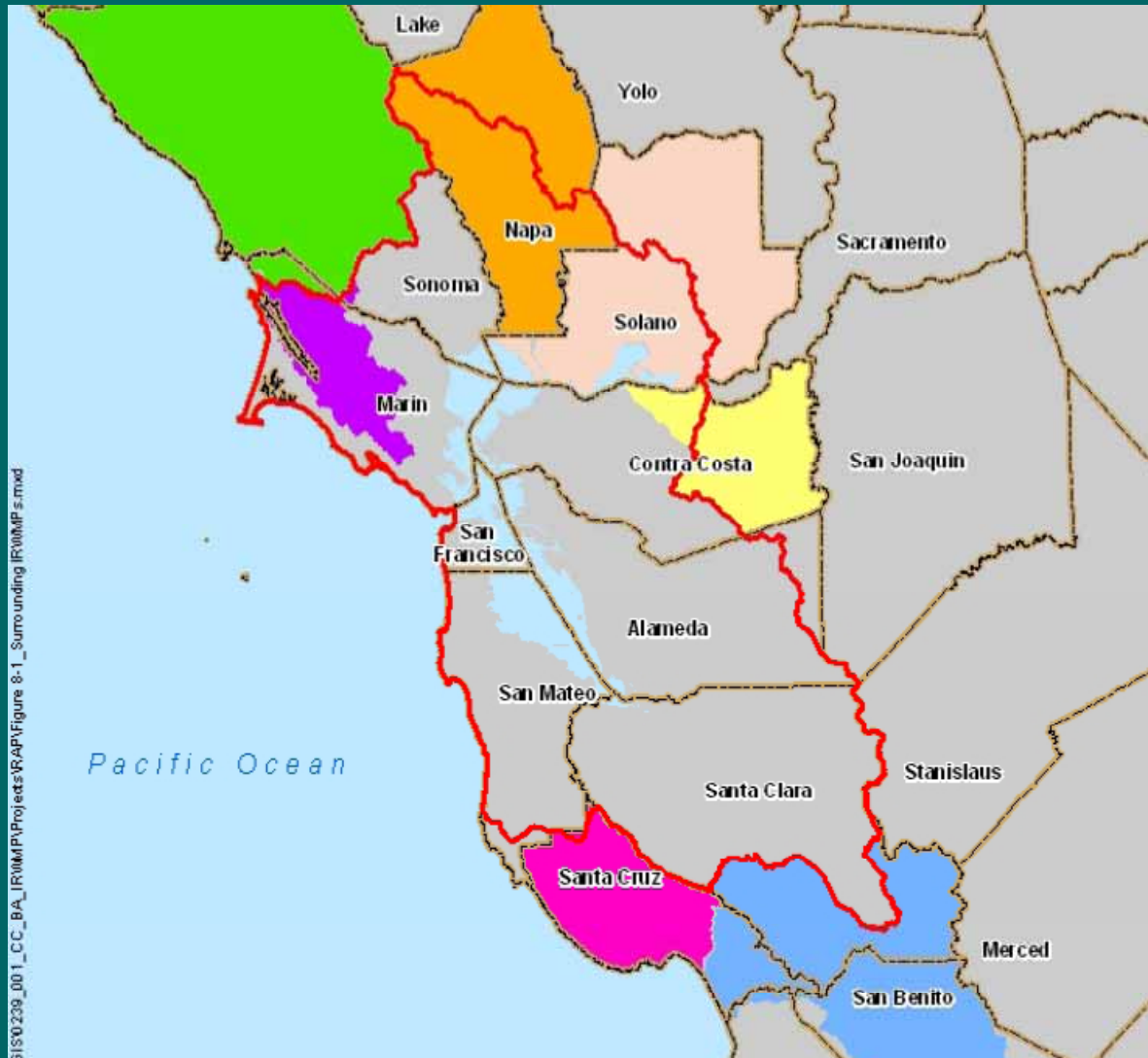


\$ in
millions

Region Acceptance Process

- ◆ 2009 Process
- ◆ Important Themes for Bay Area
 - Consensus approach
 - Developing sub-regions
 - Ability to rank projects
 - Developing regional projects

Region Acceptance Process

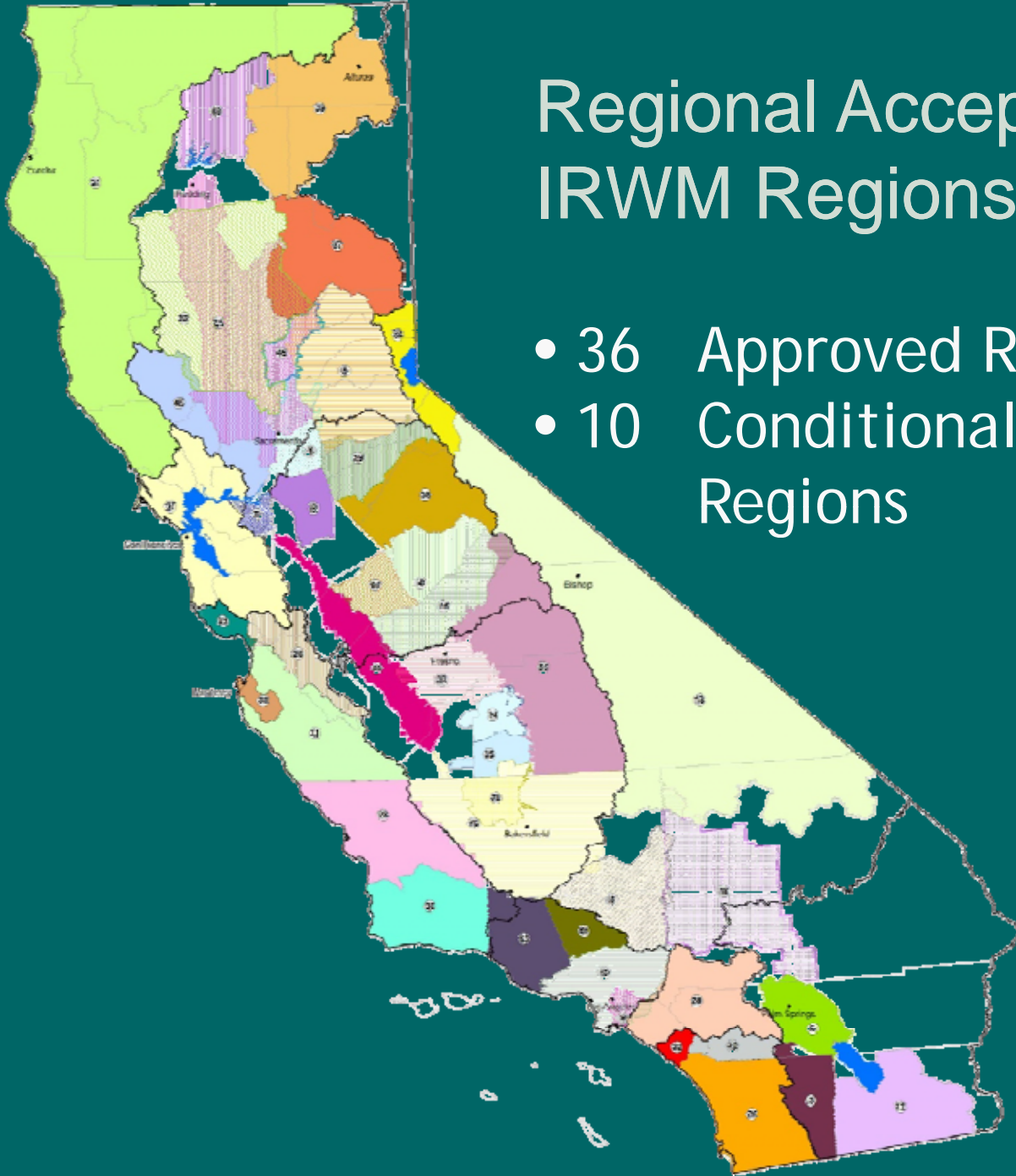


Bay Area Region



Regional Acceptance Process IRWM Regions

- 36 Approved Regions
- 10 Conditionally Approved Regions



Prop 84 Planning Grants

- ◆ Update IRWM plans to
 - Meet new requirements
 - Perform salt and nutrient management planning
 - Integrate flood management into plans
- ◆ Up to \$1 million per region (two rounds)
- ◆ 25% match
- ◆ Bay Area received \$842,556 first round
 - \$200,000 for SCWA: Sonoma Valley Salt and Nutrient Management Plan
- ◆ Must update IRWM Plan in two years
- ◆ Can apply for the other \$157,444 in Round 2

2006 Bay Area IRWM Plan

- ◆ Prepared by consultants in 2005 with nearly \$1 million in Prop 50 funds
- ◆ Plan includes almost all of the Bay Area
 - Goals and objectives
 - Water management strategies
 - Regional priorities
 - List of actual and potential projects
- ◆ Adopted by all participating agencies in 2006

2006 Bay Area IRWM Plan Vision

The goals and objectives led to a Bay Area Region vision to guide development of the IRWM Plan

'Working together to enhance sustainable water resources management to support a high quality of life in the Bay Area'

2006 Bay Area Goals and Objectives

- ◆ First developed for each of the four functional areas
- ◆ Then compiled to identify overarching goals and common interests
- ◆ With stakeholder input regional goals and objectives were developed

2006 Regional Goals

Contribute to:

- ◆ Promotion of economic, social, and environmental sustainability
- ◆ Improved water supply reliability
- ◆ Protection and improvement of hydrologic function
- ◆ Protection and improvement of the quality of water resources
- ◆ Protection of public health and safety and of property
- ◆ Creation, protection, enhancement, and maintenance of environmental resources and habitats

2013 Plan Update Timeline

SF Bay Area IRWM Plan Update																							
Task	2011		2012												2013								
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	
1								X	X														
2																	X	X					
3								X	X		X	X											
4								X	X														
6												X	X										
7															X	X							
8															X	X							
9															X	X							
10												X			X	X							
11													X		X	X							
12															X	X							
13																	X	X					
14			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
15																	X	X					
16															X	X							
17																						DRAFT	FINAL

2013 Team



Team

- Kennedy Jenks Consultants – Mary Lou Cotton, Dana Haasz

- ESA/PWA – Leslie Moulton



- Kearns & West – Pam Jones, Ben Gettleman

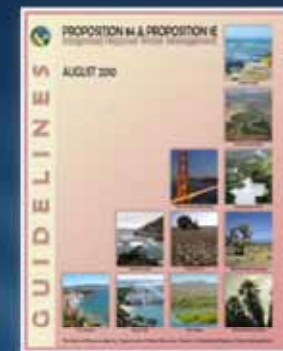


2013 Plan Outline



Plan Standards: Overview

- **Governance**
 - Region Description
 - Objectives
 - Resource Management Strategies
 - Integration
- **Project Review Process**
 - Impact and Benefit
 - Plan Performance and Monitoring
- **Data Management**
 - Finance
 - Technical Analysis
- **Relation to Local Water Planning**
 - Relation to Local Land Use Planning
 - Stakeholder Involvement
 - Coordination
- **Climate Change**



Project Review Process

- ◆ Update the project submittal process
- ◆ Develop process for project review
 - Add new regional projects into the Plan
 - Add new sub-regional projects into the Plan
- ◆ Create a project ranking criteria
- ◆ Project ranking list review and updates
- ◆ Schedule ~ Sept 2011 - June 2012

2012 Planning Grant Round 2

ANTICIPATED SCHEDULE OF FUTURE IRWM GRANT SOLICITATIONS

SEPTEMBER 26, 2011

Activities	Target Date
Planning Grant Solicitation	
Release Draft PSP for Public Review & Comment	October 2011
Release Final PSP	December 2011
Applications Due	February 2012
Announce Draft Recommendations for Public Review & Comment	Spring 2012
Announce Final Awards	Mid-2012

- ◆ \$157,444 for the entire Bay Area
- ◆ Planning grant projects must be integrated with the Bay Area IRWM Plan

Prop 84 Implementation Grants

- ◆ Total of three rounds of grants
- ◆ Bay Area awarded \$30,093,592 for first round
- ◆ 25% match required
- ◆ One Bay Area applicant

Scoring

Workplan	15
Budget	5
Schedule	5
Monitoring, assessment, and performance measures	5
Water supply cost/benefit (c/b)	15
Water quality & other c/b	15
Flood damage reduction c/b	15
Program preferences	10
Total	85

Regional Projects in Round 1

- ◆ Recycled water
- ◆ Water conservation
- ◆ Wetland ecosystem restoration
- ◆ Green infrastructure capacity building
- ◆ Integrated water quality improvement, flood management and ecosystem restoration in disadvantaged communities

Round 1 (funded) Projects

Table 8 - Summary Budget

Proposal Title: San Francisco Bay Area Regional Priority Projects and Programs (Round 1)

Individual Project Title		Non-State Share (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
0	Grant Administration	\$100,000	\$743,000	\$0	\$843,000	12%
1	Regional Recycled Water Program	\$55,641,000	\$10,000,000	\$0	\$65,641,000	85%
2	Regional Water Conservation Program	\$6,406,872	\$8,952,685	\$0	\$15,359,557	42%
3	Wetland Ecosystem Restoration Program	\$17,871,175	\$3,750,000	\$9,171,180	\$30,792,356	58%
4	Regional Green Infrastructure Capacity Building Program	\$4,615,892	\$4,565,881	\$0	\$9,181,773	50%
5	Integrated Water Quality Improvement, Flood Management and Ecosystem Restoration in Bay Area Disadvantaged	\$799,589	\$2,082,026	\$0	\$2,881,615	28%
Grand Total (Sum of rows 0 to 5 for each column)		\$85,434,528	\$30,093,592	\$9,171,180	\$124,699,300	69%

Recycling-North Bay

◆ NBWRA Projects

- Novato North- NMWD- \$ 500k
- Novato South-Hamilton-LGVSD - \$ 500 k
- Napa State Hosp.-Napa San.- \$ 500k
- Sonoma Valley- SCVSD/SCWA \$ 500k

- ◆ Peacock Gap- MMWD- \$ 500k

Total= \$2.5 m

Conservation

- ◆ City of Napa- \$330 k
- ◆ SCWA \$765 k
- ◆ Solano \$ 692 k
- ◆ MMWD \$ 863 k
- ◆ 31.6 % of \$ 8.39 m
- ◆ General- 31.6 % of \$ 562 k = \$178 k
- ◆ Napa Rainwater \$250 k

Total \$ 3.078 m

Round 1 (funded) Projects

Table 8 - Summary Budget

Proposal Title: San Francisco Bay Area Regional Priority Projects and Programs (Round 1)

5. Integrated Water Quality Improvement, Flood Management and Ecosystem Restoration in Bay Area Disadvantaged Communities

Individual Project Title		Non-State Share (Funding Match)	Requested Grant Funding (DWR Grant Amount)	Other State Funds Being Used	Total	% Funding Match
(a)	Watershed Partnership Technical Assistance	\$53,289	\$150,000	\$0	\$203,289	26%
(b)	Stream Restoration with Schools and Community in Disadvantaged Communities of the North Bay	\$65,000	\$200,000	\$0	\$265,000	25%
(c)	Floodplain Mapping for the Bay Area with Disadvantaged Communities Focus	\$185,000	\$656,550	\$0	\$841,550	22%
(d)	Storm Water Improvements and Flood Reduction Strategies Pilot Project in Bay Point	\$25,000	\$160,000	\$0	\$185,000	14%
(e)	Disadvantaged Communities Richmond Shoreline and City of San Pablo Flood Project	\$230,000	\$85,000	\$0	\$315,000	73%
(f)	Pescadero Creek Watershed Disadvantaged Communities Integrated Flood Reduction and Habitat Enhancement Project	\$0	\$103,000	\$0	\$103,000	0%
(g)	Pescadero Creek Steelhead Smolt Outmigrant Trapping	\$35,500	\$119,310	\$0	\$154,810	23%
(h)	Stream Channel Shapes and Floodplain Restoration Guidance and Watershed Restoration in San Francisquito Creek, East Palo Alto, a Disadvantaged Community	\$80,800	\$230,000	\$0	\$310,800	26%
(i)	Steelhead and Coho: Bay Area Indicator for Restoration Success SF Estuary Steelhead Monitoring Program	\$125,000	\$378,166	\$0	\$503,166	25%
Grand Total		\$799,589	\$2,082,026	\$0	\$2,881,615	28%

Integrated Water Quality Improvement, Flood Management and Ecosystem Restoration in Bay Area Disadvantaged Communities

◆ North Bay

-STRAW (PRBO)- **\$200k**

General mapping and watershed assistance share of (\$862 k)

25% - **\$216k**

North bay share of \$379 for Steelhead

Napa and Sonoma **~\$250 k**

Future Implementation Grants

Revise Program Guidelines & PSP (Implementation & SWFM)	
Stakeholder Workshops & Public Feedback	Late 2011
Release Revised Draft Guidelines and PSP for Public Review & Comment	Spring 2012
Release Final Round 2 Program Guidelines & PSP (Implementation & SWFM)	Summer 2012
Stormwater Flood Management Grant	
Applications Due	Summer 2012
Announce Draft Recommendations for Public Review & Comment	Early 2013
Announce Final Awards	Spring 2013
Implementation Grant (2-Step Process Anticipated)	
Step 1 - IRWM Plan Evaluation Phase	
Applications Due	Fall 2012
Release Draft Call Back List for Public Review & Comment	Early 2013
Release Final Call Back List	Spring 2013
Step 2 - Project Evaluation Phase	
Applications Due	Summer 2013
Announce Draft Recommendations for Public Review & Comment	Late Summer 2013
Announce Final Awards	Fall 2013

Bay Area Subregions

- ◆ Created to facilitate integration of projects
- ◆ Allows greater participation of stakeholders
- ◆ Four subregions developed



Subregion Prop 84 Funding Allocations

- ◆ North 25%
 - ◆ East 29%
 - ◆ South 25%
 - ◆ West 22%
-
- ◆ Allocation to be met at the end of all Prop 84 funding, not necessarily with each round
 - ◆ Regional/Bay Area-wide projects benefit all

Subregion Purpose

- ◆ Engage more stakeholders in IRWMP process
- ◆ Identify projects
 - Integrated
 - Multiple benefits
 - Regional and statewide objectives
 - ◆ Less dependence on Delta water
 - ◆ Benefits to disadvantaged communities
 - ◆ Address climate change

Next Steps

- ◆ Share information with Napa-area participants to encourage integrated projects
- ◆ Get projects listed and ranked in the 2013 Plan
- ◆ Get projects funded in Round 2 Implementation grants

Project Submittal Form

- ◆ Form must be used to get a project in the Plan and considered for future funding
- ◆ Form is under revision and we will send an e-mail when it is available online
- ◆ www.bairwmp.org

Additional Information

◆ Bay Area IRWM

www.baiwmp.org

◆ North Bay Watershed Association

www.nbwatershed.org

◆ Dept. of Water Resources IRWMP

www.dwr.water.ca.gov/irwm/

Harry Seraydarian, North Bay Lead

harryser@comcast.net



A Tradition of Stewardship
A Commitment to Service

Watershed Information Center
& Conservancy



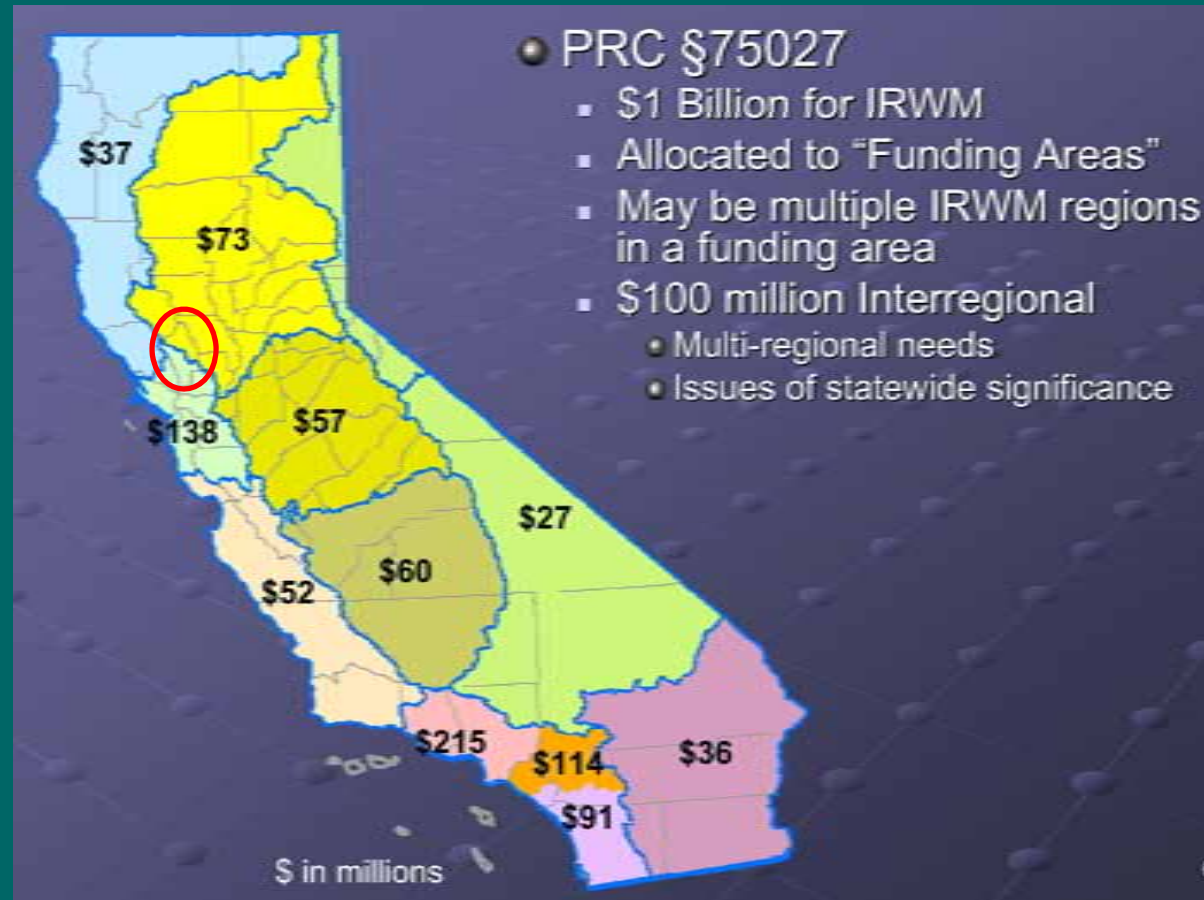
- At the Local Level -
IRWM Planning Framework
for Napa County

Rick Thomasser, P.G.
Operations Manager
Napa County Flood Control & Water Conservation District

IRWMP Funding Areas - Prop. 84 Allocations

(\$ in Millions)

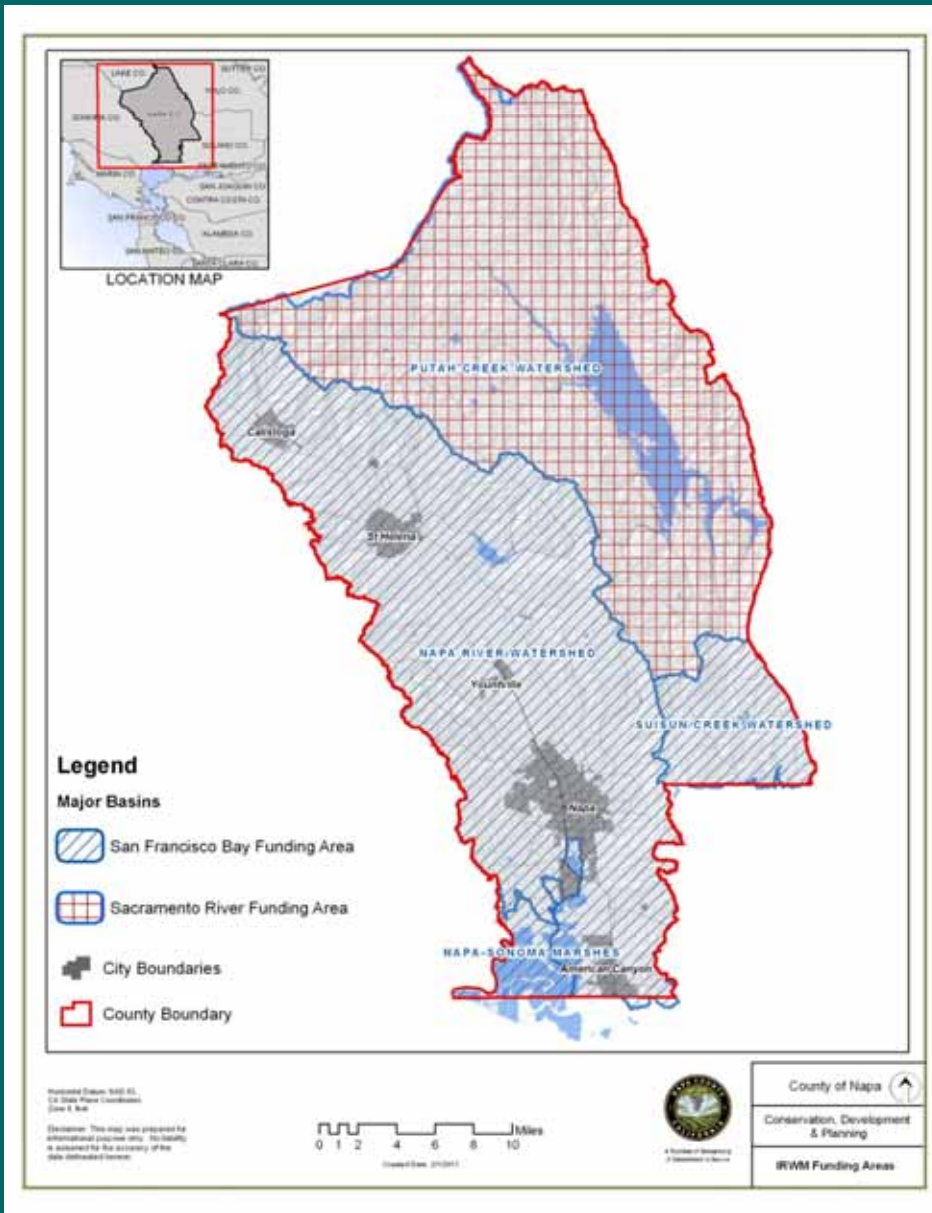
- Statewide
\$1 Billion
- Bay Area
\$138M
- Sacramento
River
\$73M



○ - Napa County

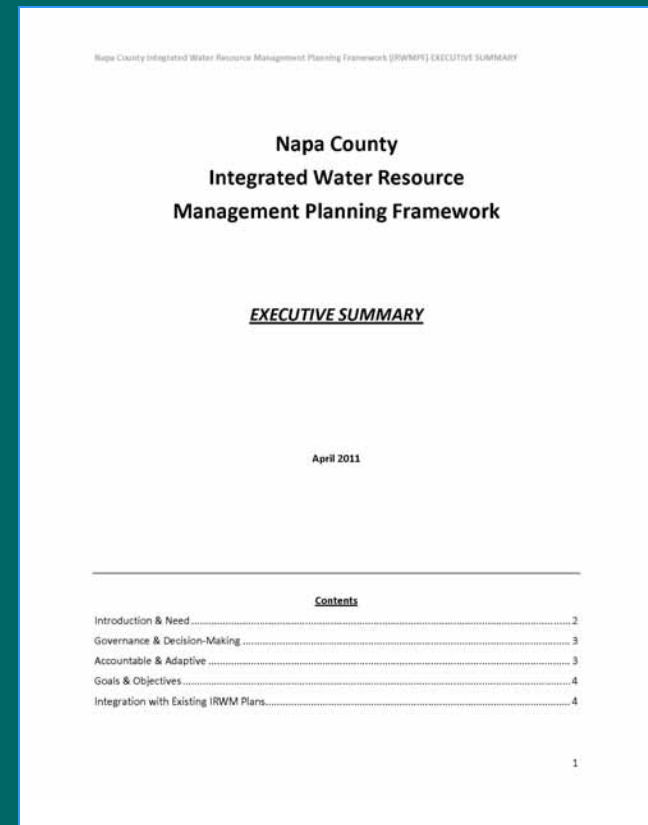
Napa County Split by Two Funding Areas

- S.F. Bay Area
- Westside Sacramento River



“Napa County Integrated Water Resource Management Planning Framework”

- Outreach and coordination of local stakeholder input
- Facilitate participation in regional efforts/grants
- Improve integration of projects, both locally and regionally



Watershed Information Center & Conservancy *of Napa County*

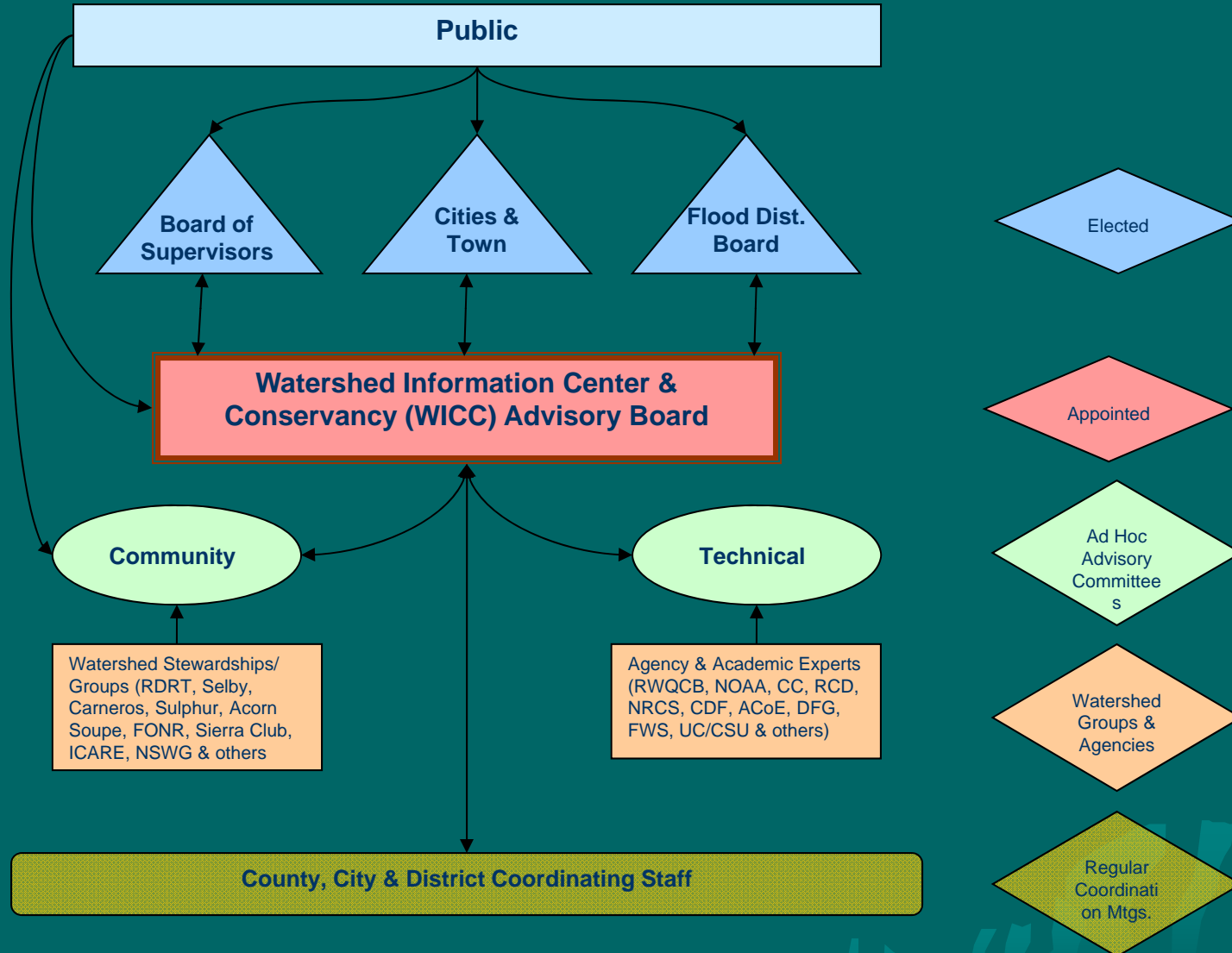


Many Contribute to the Success

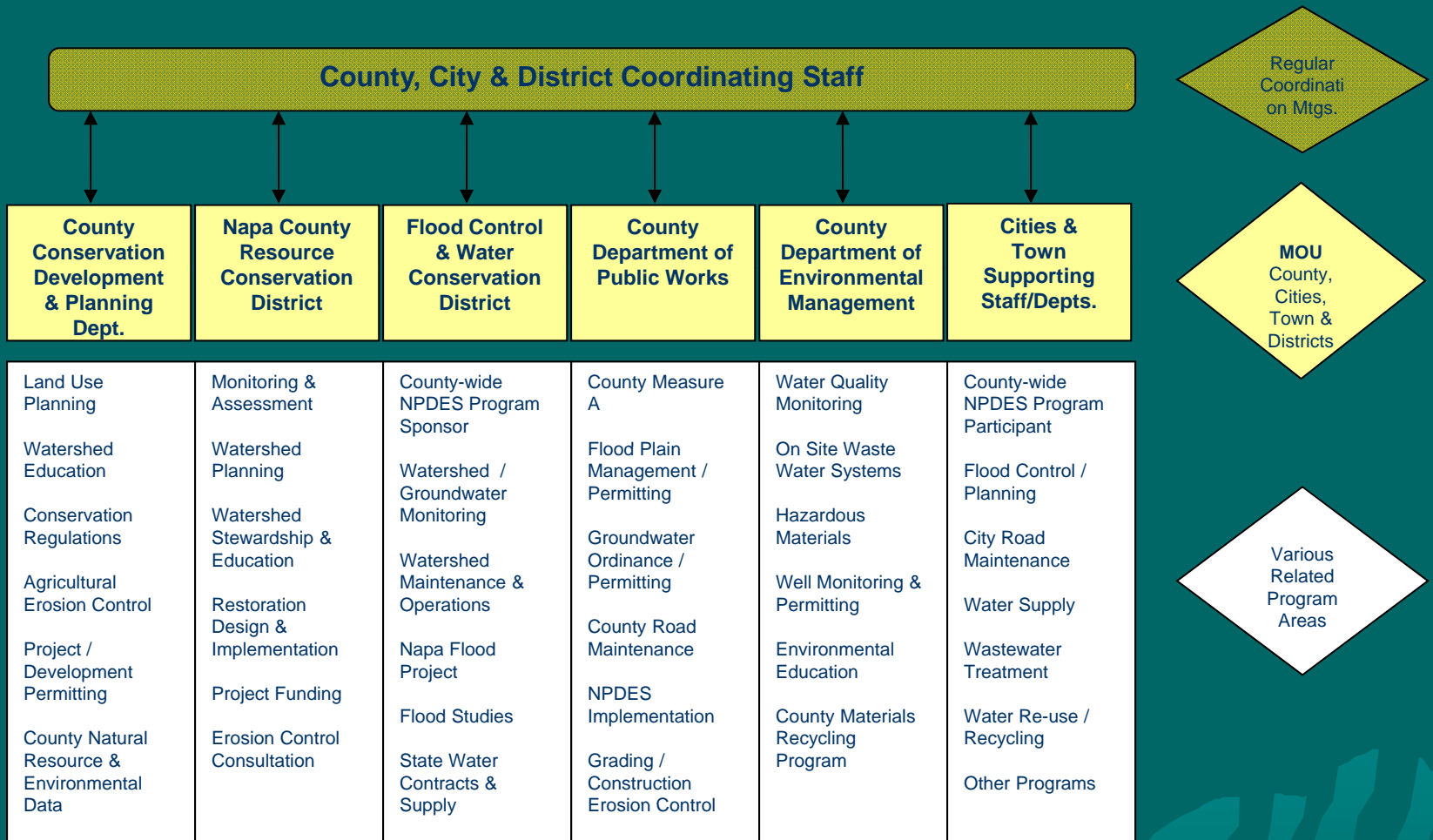
The dedication and involvement of many contributes directly to the merit and achievement of the WICC's mission and commitment to watershed health



Functional Organization of the WICC



Coordinating and Support Staff



WICC History & Background



- ◆ Concept of Watershed Information Center & Conservancy (WICC) identified in 2000
- ◆ WICC Board appointed in 2002
 - 17 member Board w/diverse community representation
- ◆ Directive
 - Support resource protection & restoration
 - Long-term resource management program
 - Monitor TMDL & State watershed policies

WICC Mission Statement

“To educate and support the community in its efforts to maintain and improve the health of Napa County’s watershed lands.”



WICC Goals & Priorities

Five Focal Areas:

- 1. Watershed Conservation & Mgmt.*
- 2. WICC WebCenter/Website*
- 3. Communication, Coordination & Partnerships*
- 4. Education & Outreach*
- 5. Organizational Structure & Funding*

WICC Support of IRWMP is a Good Fit!



Project Database

- IRWMP Support Tool

- Available online for local project proponents
- Identify local projects
- Organize projects for potential IRWMP & other funding



The screenshot displays the 'General Information' section of the project form. It includes a 'Save' and 'Exit Page' button. The form contains the following fields:

- 1. **Project Name**: Flood Board Sample Project
- 2. **Specific Project Goals and Objectives**: A table with columns for 'Goals' and 'Objectives'.

delete?	Goals	Objectives
<input type="checkbox"/>	Manage Flooding	Slow run-off
<input type="checkbox"/>	Improve Fish Habitat	Plant stream-side vegetation
<input type="checkbox"/>	Provide Education	Install interpretive signs
- 3. **Project Start Date**: July 1, 2011
- 4. **Project Ending Date**: June 30, 2013
- 5. **Major Tasks and Deliverables**

The screenshot shows the 'Project Database' interface. At the top, there are navigation tabs: My Projects, New Project, Flood Board Sample Project, Pending Projects, and Published Projects. Below is a table of 'Draft Projects Viewable by Sharp, Jeff'.

View	SR	Delete	Folder	Team	Publish	Project Name	Organization Name	Creator	Last Modified
						See	Another Test Organization	Shirley, Steve	Apr 15, 2011 (Update, View)
						Training required fields	Steve's New Test	Steve, Steve	Apr 08, 2011 (Update, View)
						QA Test	Steve's New Test	Steve, Steve	Dec 9, 2010 (Update, View)
						Flood Board Sample Project	Napa County Flood and Water Conservation District	Steve, Jeff	Today 4:22AM (Update, View)

Below the table is a 'Project Team' dialog box for the 'Flood Board Sample Project'. It shows a list of users and reviewers, with buttons to 'Add', 'Remove', and 'Save Team'.

Project Database

- Local Value

- Supports water resource management
- Catalogs projects & activities
- Tracks accomplishments & progress towards goals

www.napawatersheds.org

Project Database Admin Page | Log Out

My Projects [New Project](#) [Flood Board Sample Project](#) [Pending Projects](#) [Published Projects](#)

Please note you can save your project form at anytime and come back to complete it later. However, to submit a project for general public review, you must complete all of the required fields and [publish your form](#). Once you're familiar with the required fields, it's possible to complete this form in about 15 minutes.

Organization Information [General Information](#) [Funding](#) [Permitting](#) [Collaborative Partnerships](#) [Location](#) [Strategies and Benefits](#) [Publish](#)

Funding

(* = Required Field)

Total and percentages will recalculate when form is saved.

1. * **Needed Funding (\$)**
[135,000.00]
2. * **Matching Funds** [All fields must be filled in]

delete?	Funding Source/Name	Amount	Type of Match	Status of Match	Date
<input type="checkbox"/>	Measure A	30,000.00	Local	Received	02/03/11
<input type="checkbox"/>	Land Owner	10,000.00	Local	Pending	4/2/11
<input type="checkbox"/>	State Dept. of Conservation	50,000.00	State	Have	4/28/11
<input type="checkbox"/>	Unknown	85,000.00	State	N/A	4/28/11

Add Item Type Status

3. **Total Funding** [auto-calculated]
Funding \$135,000.00
Matching \$175,000.00
Total \$310,000.00
4. Does this project require Real Property Acquisitions?

Project Database Admin Page | Log Out

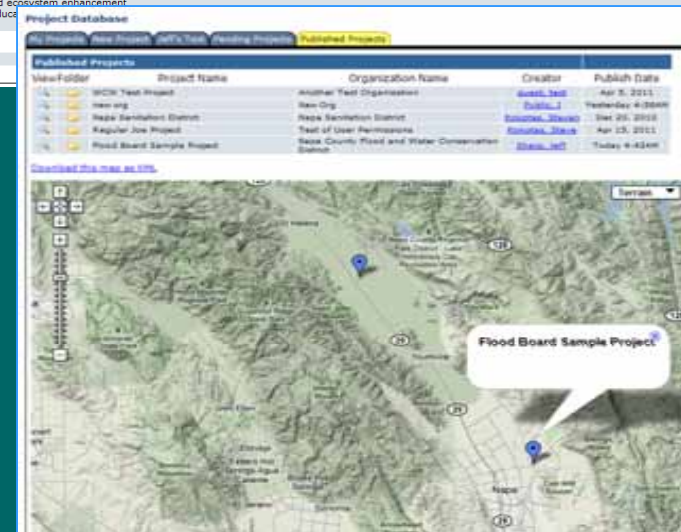
My Projects [New Project](#) [Flood Board Sample Project](#) [Pending Projects](#) [Published Projects](#)

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Organization Information [General Information](#) [Funding](#) [Permitting](#) [Collaborative Partnerships](#) [Location](#) [Strategies and Benefits](#) [Publish](#)

Project Summary

1. **Organization Name**
Napa County Flood and Water Conservation District Status Draft
2. **Project Name**
Flood Board Sample Project
3. **Major Watersheds**
Napa River
4. **What phase is the project currently in?**
Feasibility study
5. **Project Type**
Flood management
Water quality
Watershed and ecosystem enhancement
Community Education
Planning
6. **Project Cost**
\$175,000



Water Supply,
Conservation &
Quality

Wastewater &
Recycled Water

Watershed Mgmt.,
Habitat Protection
& Restoration

Flood Protection &
Stormwater Mgmt.



Identifying Projects, Partners & Sharing Ideas

Frances Knapczyk,
Stewardship Facilitator
Napa County Resource Conservation District

Identifying Projects, Partners & Sharing Ideas

- Integrating 'Project Types'

1. Water Supply & Water Quality
2. Wastewater & Recycled Water
3. Flood Protection & Stormwater Mgmt.
4. Watershed Mgmt., Habitat Protection & Restoration

Water Supply,
Conservation
& Quality

Wastewater &
Recycled
Water

Flood
Protection &
Stormwater
Mgmt.

Watershed
Mgmt., Habitat
Protection &
Restoration

What's your Project?

Watershed Information Center
& Conservancy



Tools, Resources & Staying Informed

www.napawatersheds.org

www.bairwmp.org

www.nbwatershed.org

info@napawatersheds.org



Questions & Discussion