Bay Area Integrated Regional Water Management Plan

Stakeholder Workshop #2

~ Integration ~

Monday, April 24, 2006

Bay Area
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Agenda

- Introductions & Meeting Objectives
- Update on Recent IRWMP Activities
- Functional Area Documents
- Approach to IRWMP
- Water Management Strategies
- Integration of Water Management Strategies
- Public Feedback and Input

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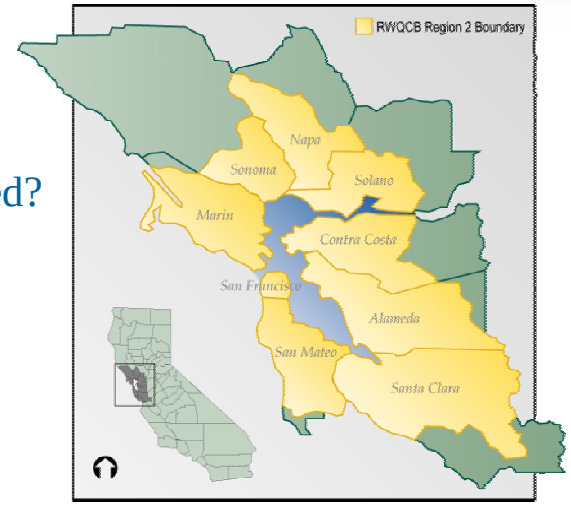
Introductions & Meeting Objectives

- What is the IRWMP?
- Who is involved?
- What are we trying to do?



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The IRWMP Process is Driven By Prop 50 Requirements

• Regional Group • Region Description • Objectives	Workshop #1 (Mar 24)
• Water Management Strategies • Integration	Workshop # 2 (Today)
• Regional Priorities • Implementation	Workshop #3 (June 26)
• Impacts & Benefits • Technical Analysis & Plan Performance • Data Management • Financing • Statewide Priorities • Relation to Local Planning • Stakeholder Involvement • Coordination	Public Draft IRWMP (Sept 27) Workshop #4 (Oct 23)

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Update on Recent IRWMP Activities

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In Response to Feedback from Workshop #1…

- Objectives were refined and the following overarching goals were identified:
  - Contribute to improved supply reliability
  - Contribute to the protection and improvement of hydrologic function
  - Contribute to the protection and improvement of the quality of water resources
  - Contribute to the protection of public health & safety; and property
  - Contribute to the creation, protection, enhancement, and maintenance of environmental resources and habitats
  - Contribute to the promotion of economic, social, and environmental sustainability

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The Following Vision Was Crafted to Help Guide the IRWMP Process:

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

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The Bay Area IRWMP Website Was Launched!

http://www.BayAreaIRWMP.net

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HOME
LIBRARY
CALENDAR
MAPS
SIGN UP FOR EMAIL UPDATES!
GO
IRWMP GRANT PROGRAM
FREQUENTLY ASKED QUESTIONS
Who is involved?
How is the region defined?
What is the schedule?
STAKEHOLDER WORKSHOPS
FUNCTIONAL AREA DOCUMENTS
Water Supply & Water Quality
Wastewater & Recycled Water
Flood Protection & Stormwater Management
Bay Area Watershed Plan
BAY AREA IRWMP DOCUMENT
IRWMP Chapters
Welcome
The Bay Area Integrated Regional Water Management Plan is a nine-county regional effort to coordinate and improve water supply reliability, protect water quality, manage flood protection, maintain public health standards, protect habitat and watershed resources, and enhance the overall health of the Bay.
FEATURES
Who is involved in the Bay Area IRWMP?
Development of the Bay Area IRWMP involves a diverse group of water supply, water quality, wastewater, stormwater, flood management, watershed and habitat agencies, local governments, environmental groups, business groups and other interested parties... Learn more...
What are the Functional Area Documents (FADs)?
The FADs are four seperate documents that have been prepared to address the region's water resources: 1) Water Supply & Water Quality; 2) Wastewater & Recycled Water; 3) Flood Protection & Stormwater Management; and 4) Bay Area Watershed Plan. Learn more...
Join us for Bay Area IRWMP Workshop #2!
Workshop 2 will involve discussion of the Plan vision, goals, and objectives, as well as potential water management strategies that were developed in each of the functional area documents...
Find out more about the Bay Area IRWMP!


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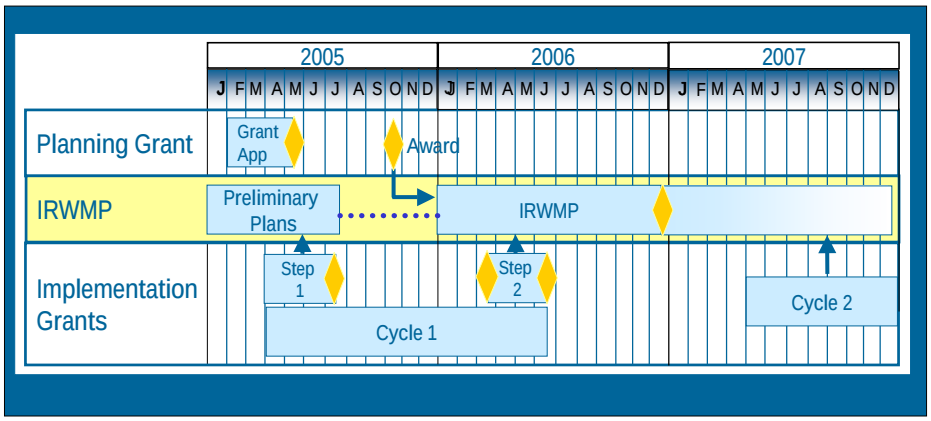
Proposition 50, Chapter 8 Timeline



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Overview of Functional Area Documents

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Role of Functional Area Documents

- Document existing programs and plans
- Provide a baseline for the IRWMP:
  - Regional Group
  - Region Description
  - Objectives
  - Water Management Strategies
  - Integration
  - Priorities

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Water Supply & Water Quality

- BAWAC + City of Napa
- Work began in August 2004
- Updated based on 2005 UWMPs
- Project Criteria:
  - Multiple agencies participating
  - Achieves water supply & water quality objectives (provides multiple benefits)
  - Ready to proceed
  - 10% local funding match
- Next Steps

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Wastewater & Recycled Water

- BACWA Agencies
- Final: 03/06
- Project criteria:
  - Recycled water, desalination, water quality projects
  - Tiers based on readiness to proceed
- Next Steps

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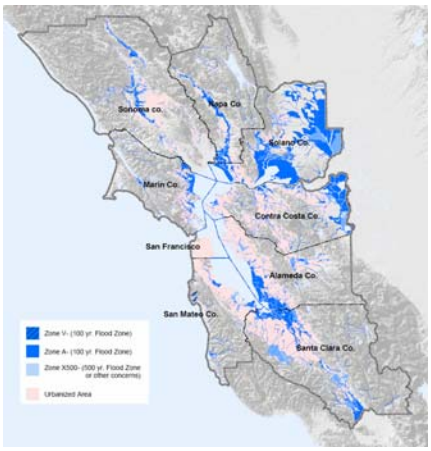
Flood Protection & Stormwater Management

- Bay Area stormwater management and flood control agencies
- Identifies flood and stormwater objectives and issues
- Identifies opportunities for regional efficiencies that may be achieved by working collaboratively



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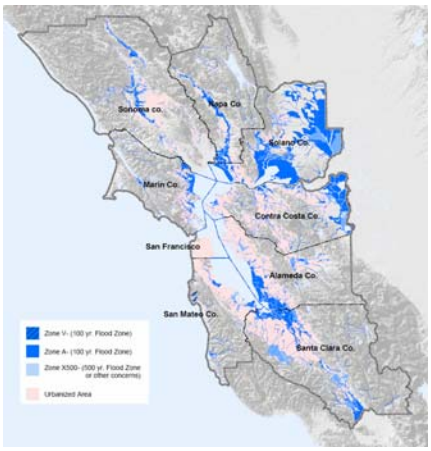
Flood Protection & Stormwater Management

- Projects identified through call for participation
- Project criteria:
  - Contributes to health & safety, economic protection, water quality protection and protection of natural streams
  - Promotes partnerships and region-wide benefits
  - Supports other IRWMP functional areas
- Next Steps



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Bay Area Watershed Plan

- State Coastal Conservancy, with TCC made up of watershed agencies and organizations
- Addresses management of hydrologic systems with emphasis on habitat protection and enhancement
- An open and inclusive public process

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Bay Area Watershed Plan

- Projects identified through open call for participation
- Project criteria:
  - Readiness for implementation
  - Detailed assessment of contributions to BAWP goals and objectives
  - Planning considerations (matching funds, landowner support, environmental justice, etc)
- Next Steps

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Approach to IRWMP Development

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Objectives

- *What does Prop 50 Require?*
  - Identify IRWMP goals/objectives and the manner in which they were determined
- *Bay Area Approach is Consistent:*
  - Compile objectives from Functional Area Documents
  - Identify common themes across Functional Areas
  - Present at Workshop # 1
  - Revise objectives based on feedback
  - Prepare Objectives section

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Water Management Strategies

- *What does Prop 50 Require?*
  - Document the range of water management strategies considered to meet IRWMP goals/objectives
- *Bay Area Approach is Consistent:*
  - Compile strategies from Functional Area Documents
  - Identify IRWMP goals/objectives addressed by each water management strategy
  - Present at Workshop #2
  - Revise strategies based on feedback
  - Prepare Water Management Strategies section

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Integration

- *What does Prop 50 Require?*
  - Present mix of strategies selected for inclusion in the Plan
  - Discuss how they work together to achieve water supply, water quality & other objectives
  - Discuss added value of integrating multiple strategies
- *Bay Area Approach is Consistent:*
  - Present how mix of strategies achieves IRWMP goals/objectives
  - Describe benefits of integrating multiple strategies
  - Brainstorm other benefits at Workshop #2
  - Revise based on feedback
  - Prepare Integration section

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Water Management Strategies

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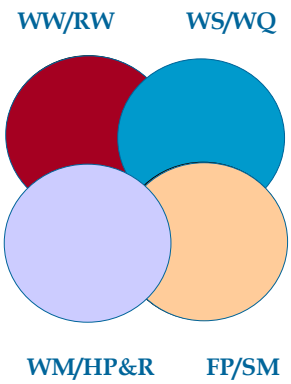
Range of Water Management Strategies Considered

- Ecosystem Restoration
- Environmental and Habitat Protection & Improvement
- Water Supply Reliability
- Flood Management
- GW Management
- Recreation & Public Access
- Storm Water Capture & Management
- Water Conservation
- Water Quality Protection & Improvement
- Water Recycling
- Wetlands Enhancement & Creation



- Conjunctive Use
- Desalination
- Imported Water
- Land Use Planning
- Non-Point Source
- Pollution Control
- Surface Storage
- Watershed Planning
- Water & Wastewater
- Treatment
- Water Transfers
- Interties
- Infrastructure Reliability
- Regional Cooperation
- Education & Outreach
- Monitoring & Modeling

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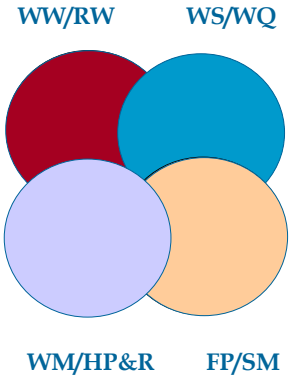
From Proposition 50 – Required to Meet Minimum Standards

- **Ecosystem Restoration**
- **Environmental and Habitat Protection & Improvement**
- **Water Supply Reliability**
- **Flood Management**
- **GW Management**
- **Recreation & Public Access**
- **Storm Water Capture & Management**
- **Water Conservation**
- **Water Quality Protection & Improvement**
- **Water Recycling**
- **Wetlands Enhancement & Creation**



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From Proposition 50 – Other Listed Strategies

- Ecosystem Restoration
- Environmental and Habitat Protection & Improvement
- Water Supply Reliability
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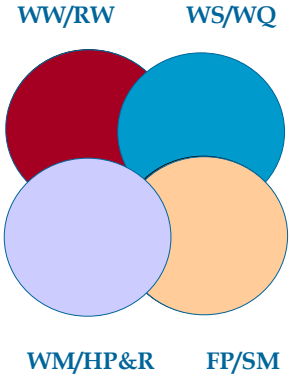

- **Conjunctive Use**
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From Functional Area Documents

- Ecosystem Restoration
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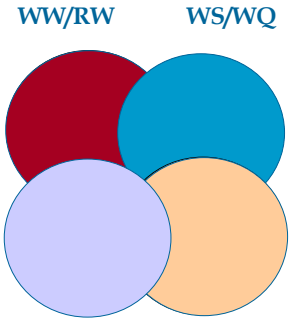

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- **Interties**
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Integration of Water Management Strategies

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Bay Area Approach

- Present how mix of strategies achieves IRWMP goals/objectives
- Illustrate multiple benefits achieved by individual strategies
- Indicate cumulative benefits possible by integration of strategies
- Consider other Prop 50 Requirements:
  - Program Preferences & Statewide Priorities

* Handouts 1-4 provide additional detail

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Goal: Contribute to Promotion of Economic, Social, & Environmental Sustainability

Strategy	Benefits Provided		
	Avoids/ Minimizes/ Mitigates Net Environmental Impacts	Maximizes Public Involvement and Benefit	Maximizes Efficiency, Reuse and Renewable Resources
Ecosystem restoration	●	●	
Environmental and habitat protection and improvement	●	●	
Water supply reliability	●	●	●
Flood management	●	●	
Recreation and public access		●	
Storm water capture and management	●		●
Water conservation	●	●	●
Water quality protection and improvement	●	●	
Water recycling	●		●

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Strategy	Benefits Provided		
	Avoids/ Minimizes/ Mitigates Net Environmental Impacts	Maximizes Public Involvement and Benefit	Maximizes Efficiency, Reuse and Renewable Resources
Wetlands enhancement and creation	●	●	
Conjunctive use	●		●
Land use planning	●	●	
NPS pollution control	●		
Watershed planning	●	●	
Infrastructure reliability	●	●	●
Education and outreach		●	●
Modeling and monitoring	●	●	●
Regional cooperation	●	●	●

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Projects Address Multiple Water Management Strategies

- All water management strategies address multiple regional goals (handout #2)
- Example: Wetlands Management

❖Ecosystem Restoration
❖Environmental and Habitat
❖Protection & Improvement
❖GW Management
❖Recreation & Public Access
❖Storm Water Management
❖Water Quality Improvement
❖Water Recycling
❖Wetlands Enhancement & Creation
❖Non-Point Source Pollution Control
❖Watershed Planning
❖Water & Wastewater Treatment

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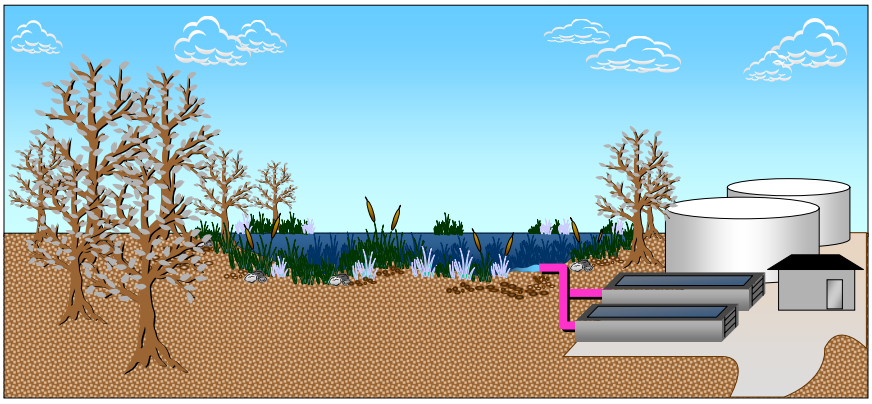
Example: Wetlands Management



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Value of Integrating Multiple Strategies

- Organizational Benefits
  - Increase coordination and collaboration
  - Yield greater efficiencies
- Geographic Benefits
  - Cumulative benefits and elimination of redundancies
- Synergistic Benefits
  - Greater benefits from combined water management strategies
- Financial Benefits
  - Maximize competitiveness for external funding
  - Pool local resources

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Organizational Benefits

Example: Fisheries and Aquatic Habitat Collaborative Effort (FAHCE)

- Santa Clara Valley Water District
- Department of Fish and Game
- Guadalupe-Coyote RCD
- U.S. Fish and Wildlife
- National Marine Fisheries
- City of San Jose
- Trout Unlimited
- Pacific Coast Federation of Fishermen's Associations

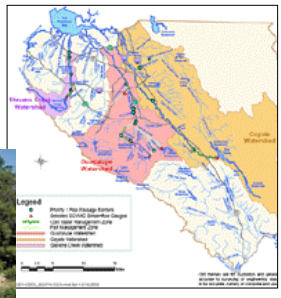

Photo & Image: SCVWD

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Geographic Benefits

Example: Tomales Bay watershed

- Walker Creek Geomorphic Assessment
- Walker Watershed Restoration Program
- Larsen Creek Flood Control
- Lagunitas Creek Sediment Management
- Lagunitas Creek Watershed Roads

Photos: Bob Campbell

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Synergistic Benefits

- **Common Bay Area Examples:**
  - Water Recycling, Water Quality Protection, Wetlands Enhancement, and Wastewater Treatment.
  - Ecosystem Restoration, Flood Management, and Recreation.
  - Habitat Protection and Land Use Planning.
  - Ecosystem Restoration, Environmental and Habitat Protection and Restoration, Recreation and Public Access, and Education and Outreach.
  - Ecosystem Restoration, Fisheries Enhancement, and Water Quality Improvements.

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Synergistic Benefits

Example: Hayward Marsh Restoration

- ❖Water Recycling
- ❖Water Quality Improvement
- ❖Wetlands Enhancement
- ❖Habitat Protection
- ❖Wastewater Treatment
- ❖Regional Cooperation

Photo: http://atdpweb.soe.berkeley.edu/pix/random/desolatelandscape.jpg

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Public Feedback and Input

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Next Steps

- Finalization of Project List
- Development of Prioritization Criteria
- Project Evaluation

- Workshop #3 – June

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For More Information:

http://www.BayAreaIRWMP.net

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