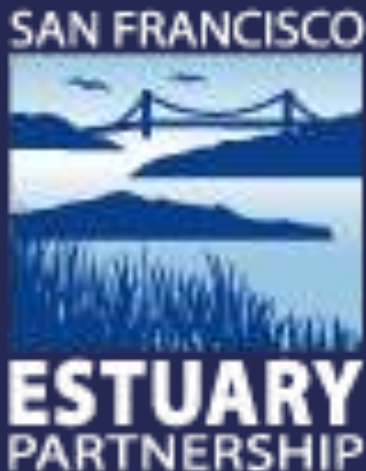


# IRWMP UPDATE 2013


IC Presentation May 2013

Harry Seraydarian & Jennifer Krebs






# Outline

- IRWMP Plan Update - Jennifer
  - IRWMP Implementation Grants (proposed & ongoing) - Harry
  - Round 3 Implementation Grant - all
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# Plan Update

- Original IRWM Plan received 2 planning grants from DWR
  - Work done in 2005 & 2006
  - Plan adopted by >27 water agencies and local governments around the Bay
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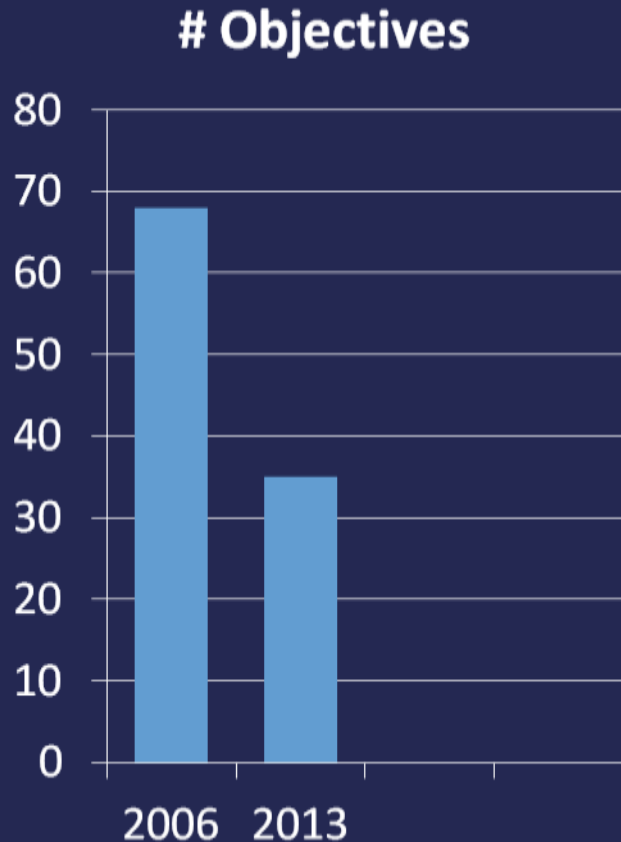
# Major Updates 2013

2006	2013
<b>15 Chapters, 4 Appendices</b>	<b>16 Chapters – CLIMATE CHANGE</b>
<b>Major emphasis on “Functional Areas”</b>	<b>Emphases on Functional Areas &amp; Subregions</b>
<b>Project List in Implementation Chapter = 101 Projects</b>	<b>Includes 315 projects, some of them Prop 1E SW/Flood</b>
<b>Limitations: No Needs Assessment; No agreement to look for funding for top projects outside of IRWMP</b>	

# Goals

2006	2013
Promote Sustainability	Promote Sustainability
Improve Supply Reliability	Improve Supply Reliability & Quality
Protect/Improve Hydrologic Function	Protect/improve watershed function & Bay Water Quality
Protect/Improve Water Quality	
Protect Public Safety (Flood)	Improve Regional Flood Management
Create, Protect, Enhance Habitats	Create, Protect, enhance, maintain Env. Resources and habitats

# Objectives



**Includes new objectives for climate change and integration (based upon DWR guidelines). Also developed suggested measures to monitor. These were all used to rank projects for the plan.**

# Summary of Objectives compared to CCMP

- New objectives - **BOLD**
- Modified objectives - *italics*
- Overlap with CCMP - **Yellow**

# Goal 1-Promote Environmental, Economic and Social Sustainability

- 1.1-Work with local land, water, wastewater and stormwater agencies, project proponents and other stakeholders to develop policies, ordinances and programs that promote IRWM goals, and to determine areas of integration among projects
- 1.2- Encourage implementation of integrated, multi-benefit projects
- 1.3-Plan for and adapt to more frequent extreme climate events**
- 1.4-Reduce energy use and/or use renewable resources where appropriate
- 1.5- Plan for and adapt to sea level rise**
- 1.6-Secure adequate support, funding and partnerships to effectively implement plan



*1.7-Avoid disproportionate impacts to disadvantaged communities*

*1.8-Promote community education, involvement and stewardship*

**1.9-Support data management for climate change vulnerabilities**

**1.10-Enhance monitoring network and information sharing to support proper management of watersheds**

1.11- Minimize health impacts associated with polluted water

1.12-Protect cultural resources

*1.13-Increase water resources related recreational opportunities*

## Goal 2-Improve water supply reliability and quality

- 2.1-Provide adequate water supplies to meet demands
- 2.2-Provide clean, safe, reliable drinking water
- 2.3-Minimize vulnerability of infrastructure to catastrophes and security breaches*
- 2.4-Implement water use efficiency to meet or exceed state and federal requirements*
- 2.5-Increase recycled water use*
- 2.6-Expand water storage and conjunctive management of surface and groundwater
- 2.7 -Provide for groundwater recharge while protecting groundwater resources from overdraft*
- 2.8 -Protection of groundwater resources from contamination**

# Goal 3-Protect and improve watershed health and function and Bay water quality

- 3.1-Protect, restore, and rehabilitate watershed and bay processes*
- 3.2-Maintain health of watershed vegetation, land cover, natural stream buffers and floodplains, to improve filtration of point and nonpoint source pollutants*
- 3.3-Minimize point-source and non-point-source pollution
- 3.4-Control excessive erosion and manage sedimentation
- 3.5-Improve floodplain connectivity
- 3.6- Improve infiltration capacity*
- 3.7-Control pollutants of concern*

## Goal 4-: Improve Regional Flood Management

- 4.1- Manage floodplains to reduce flood damages to homes, businesses, schools, and transportation
- 4.2- *Achieve effective floodplain management that incorporates land use planning and minimizes risks to health, safety and property by encouraging wise use and management of flood-prone areas*
- 4.3- **Identify and promote integrated flood management projects to protect vulnerable areas**

# Goal 5-Create, protect, enhance, and maintain environmental resources and habitats

*5.1-Protect, restore, and rehabilitate habitat for species protection*

*5.2-Enhance wildlife populations and biodiversity (species richness)*

*5.3-Protect and recover fisheries (natural habitat and harvesting)*

*5.4-Reduce geographic extent and spread of pests and invasive species*



# What next?

- Plan to go to ABAG, Water Agencies, Prospective Project Proponents for adoption
- Review by DWR

# Implementation Grants

- Prop 50 Round 1 – 12.5 million dollars to water agencies for conservation, water recycling, BACWA outreach on bay pollution
- Prop 84 Round 1 – \$30 million to 30 recipients including water agencies, NGOs, local governments
- Prop 84 Round 2 - \$20 million to 19 recipients including water agencies, NGOs, local governments

# Project Selection Process

- Prop 50 Round 1 – not public
- Prop 84 Round 1 – emphasis on “Regional Projects,” Functional Areas, and DWR priorities (B/C ratio)
- Prop 84 Round 2 – Conceptual Options-emphasis on integration, sub-regional and Functional Area priorities, and DWR priorities (B/C ratio)
- Prop 84 Round 3 - ??????



# Round 1- “Regional” Projects

- **Regional Recycling** (\$10 m)  
10 projects
- **Regional Water Conservation** (\$ 8.953 m)  
12 entities
- **Regional Green Infrastructure Capacity Building** (\$4.566 m)  
3 projects
- **Bay Area Wetland Ecosystem Restoration Program** (\$ 3.75 m)  
3 Projects
- **Integrated Water Quality Improvement, Flood Management and Ecosystem Restoration in Bay Area Disadvantaged Communities** ( \$2.1 m)

**Total-~ 29.4 m**

# Round 1 - 9 sub 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
<b>(a)</b>	Watershed Partnership Technical Assistance	\$53,289	\$150,000	\$0	\$203,289	26%
<b>(b)</b>	Stream Restoration with Schools and Community in Disadvantaged Communities of the North Bay	\$65,000	\$200,000	\$0	\$265,000	25%
<b>(c)</b>	Floodplain Mapping for the Bay Area with Disadvantaged Communities Focus	\$185,000	\$656,550	\$0	\$841,550	22%
<b>(d)</b>	Storm Water Improvements and Flood Reduction Strategies Pilot Project in Bay Point	\$25,000	\$160,000	\$0	\$185,000	14%
<b>(e)</b>	Disadvantaged Communities Richmond Shoreline and City of San Pablo Flood Project	\$230,000	\$85,000	\$0	\$315,000	73%
<b>(f)</b>	Pescadero Creek Watershed Disadvantaged Communities Integrated Flood Reduction and Habitat Enhancement Project	\$0	\$103,000	\$0	\$103,000	0%
<b>(g)</b>	Pescadero Creek Steelhead Smolt Outmigrant Trapping	\$35,500	\$119,310	\$0	\$154,810	23%
<b>(h)</b>	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%
<b>(i)</b>	Steelhead and Coho: Bay Area Indicator for Restoration Success SF Estuary Steelhead Monitoring Program	\$125,000	\$378,166	\$0	\$503,166	25%
<b>Grand Total</b>		<b>\$799,589</b>	<b>\$2,082,026</b>	<b>\$0</b>	<b>\$2,881,615</b>	<b>28%</b>

# Round 2-Maximize Benefits and Balance

## Project Type

- Water Supply Reliability- 4 ~ \$4.3m
- Wastewater Recycling/ Water Quality- 3 ~ \$2.8 m
- Flood Management/ Stormwater- 3 ~ \$4m
- Habitat/ Watersheds- 8 ~ \$5.9 m
- Climate Change Adaptation- 1 ~ \$2.1 m
- DAC-1-Water Supply

# Round 2: 19 Projects





# Round 3 – IC Input

- Regional Needs
- Ongoing collaborations that could use extra support
- New ideas

# Follow Up

## ■ Project Ideas

- Water Supply – Thomasin Grim (MMWD) [tgrim@marinwater.org](mailto:tgrim@marinwater.org)
- Wastewater – Linda Hu (EBMUD) [ihu@ebmud.com](mailto:ihu@ebmud.com)
- Flood Issues – Carol Mahoney (Zone 7) [cmahoney@zone7water.com](mailto:cmahoney@zone7water.com)
- Habitat – Matt Gerhart (Coastal Conservancy)  
[mgerhart@coastalconservancy.ca.gov](mailto:mgerhart@coastalconservancy.ca.gov)

## ■ Subregional Collaborations

- North Bay – Harry Seraydarian [harryser@comcast.net](mailto:harryser@comcast.net)
- East Bay – Mark Boucher (Contra Costa County) [mbouc@pw.cccounty.us](mailto:mbouc@pw.cccounty.us)
- West Bay – Molly Petrick (SFPUC) [MPetrick@sflower.org](mailto:MPetrick@sflower.org)
- South Bay – Brian Mendenhall (SCVWD) [BMendenhall@valleywater.org](mailto:BMendenhall@valleywater.org)



# Thank You

For more info on IRWMP

Bay Area website: <http://bairwmp.org>



DWR website: <http://www.water.ca.gov/irwm>