

# Integrated Regional Water Management Program



# IRWM

(Integrated Regional Water Management)





# The IRWM Team

Implementation



DACTIP





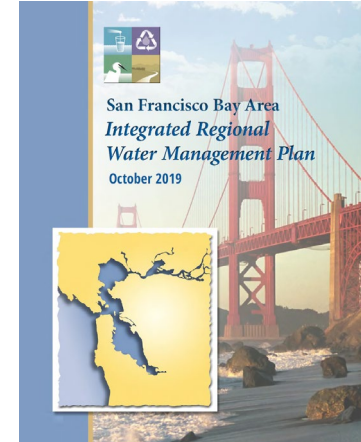


# What is IRWM? 1



# IRWM Program Overview

- Administered by Department of Water Resources
- Implementation focus with regional control
- IRWM Plan
- Regional Objectives
  - Promote environmental, economic and social **sustainability**
  - Improve **water** supply reliability and quality
  - Improve regional **flood management**
  - Protect and improve **watershed health and function** and Bay water quality
  - Create, protect, enhance, and maintain **environmental resources and habitats**





# IRWM Structure

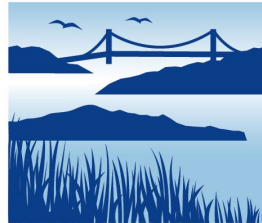
California Department of Water  
Resources IRWM Program



San Francisco Bay Area IRWM  
Coordinating Committee



SAN FRANCISCO



**ESTUARY**  
PARTNERSHIP

- Coordinates Regional Program
- Created IRWM Plan
- Selects Projects
- Selects Grantee





# Implementation Grants 2



# Overview- Functional Areas



- Water Supply / Water Quality
- Wastewater / Recycled Water
- Flood Control / Stormwater
- Habitat / Watersheds





# Overview- Project Types



- Habitat restoration
- Water conservation
- Water supply
- Recycled water infrastructure
- Flood protection
- Dam removal
- Innovative pilot projects



# Proposition 84

## Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006

### Prop 84 Integrated Regional Water Management Grant Program Snapshot - Rounds 2, 3 and 4\*

Round	Grant	Match	Additional Cost Share	Total Project Costs	Total Projects	Completed Projects
R2	\$ 20,000,000	\$ 13,470,177	\$ 20,409,499	\$ 53,879,676	18	16
R3	\$ 32,178,423	\$ 25,850,000	\$ 32,279,372	\$ 90,307,795	10	7
R4	\$ 21,469,025	\$ 22,395,709	\$ 28,121,607	\$ 71,986,341	7	2
Totals	\$ 73,647,448	\$ 61,715,886	\$ 80,810,478	\$ 216,173,812	35	25

\* Round 1 closed out and not displayed



## Prop 84 Project Benefits

Habitat Restored	Stream Miles Restored or Enhanced	New Water Sources	Recycled Water Generated	Water Conserved
191 Acres	>10 miles	7,455 AFY	5,471 AFY	2,367 AFY





# Unquantified Benefits of Prop 84 Projects

- Flood protection for vulnerable communities
- Oro Loma benefits
- Low impact development benefits in San Jose





# Proposition 1

## Water Quality, Supply, and Infrastructure Improvement Act of 2014

Prop 1 Integrated Regional Water Management Grant Program Snapshot - Round 1					
Round	Grant	Match	Additional Cost Share	Total Project Costs	Total Projects
R1	\$ 22,750,000	\$ 23,917,184	\$ 23,322,123	\$ 69,989,307	8



## Round 2: Milliken Creek Flood Damage Reduction and Fish Passage Barrier Removal





## Round 3: Drought Relief for South Coast San Mateo County



Completed Pond filled w/ Surface Flow



## Round 4: San Francisquito Creek Flood Damage Reduction and Ecosystem Restoration Project (Basell)







## Prop 1 Round 1: Lower Walnut Creek Restoration







**CONTRA COSTA**  
COUNTY, CALIFORNIA

David R. Brower, Ronald V. Dellums  
Institute for Sustainable Policy Studies



**NORTH BAY WATER REUSE PROGRAM**  
*Water Supply Reliability through Regional Reuse*



**ACWD**  
ALAMEDA COUNTY WATER DISTRICT



**MARIN MUNICIPAL  
WATER DISTRICT**



**SOLANO COUNTY  
WATER AGENCY**



**STOP  
WASTE**



**Dublin San Ramon  
Services District**  
*Water, wastewater, recycled water*



**Point Blue  
Conservation  
Science**



**SONOMA  
ECOLOGY  
CENTER**



**MULTICULTURAL  
CENTER OF MARIN**



**SAN FRANCISQUITO CREEK**  
JOINT POWERS AUTHORITY

the  
**watershed**  
project



**CONTRA COSTA  
RESOURCE  
CONSERVATION  
DISTRICT**



**CITY OF  
SAN JOSE**  
CAPITAL OF SILICON VALLEY



**SBCWD**  
STINSON BEACH COUNTY WATER DISTRICT



**East Bay**  
Regional Park District

**CVNL**  
Center for Volunteer & Nonprofit Leadership  
CHANGE STARTS HERE



**MARIN RESOURCE  
CONSERVATION DISTRICT**



**Coastal  
Conservancy**



**daily acts**  
*every action makes a ripple*



**Nuestra Casa**



**Sonoma  
Water**



**San Francisco  
Water Power Sewer**



**SAN MATEO  
RESOURCE CONSERVATION DISTRICT**



**CIEA**  
California Indian  
Environmental Alliance

Try protect and restore California Indian  
Peoples' cultural traditions, ancestral  
territories, means of subsistence and  
environmental health.



A stylized blue-toned illustration of a landscape. In the background, a suspension bridge with two tall towers and a single cable spans across the scene. The bridge is set against a white sky with two birds in flight. Below the bridge, there are dark blue silhouettes of mountains and a body of water. In the foreground, there are dark blue silhouettes of tall grass or reeds. The text is overlaid on the water and grass areas.

# Disadvantaged Community and Tribal Involvement Grant

(DACTIP)

# 3



## DACTIP Goals and Objectives

- This is not your typical IRWM Grant
- Objectives
  - To work with disadvantaged, economically distressed, underrepresented, and tribal communities to:
    - Document needs
    - Identify possible solutions
    - Develop projects to implement the solutions
    - Obtain funding in 2021 (Prop 1 Round 2)

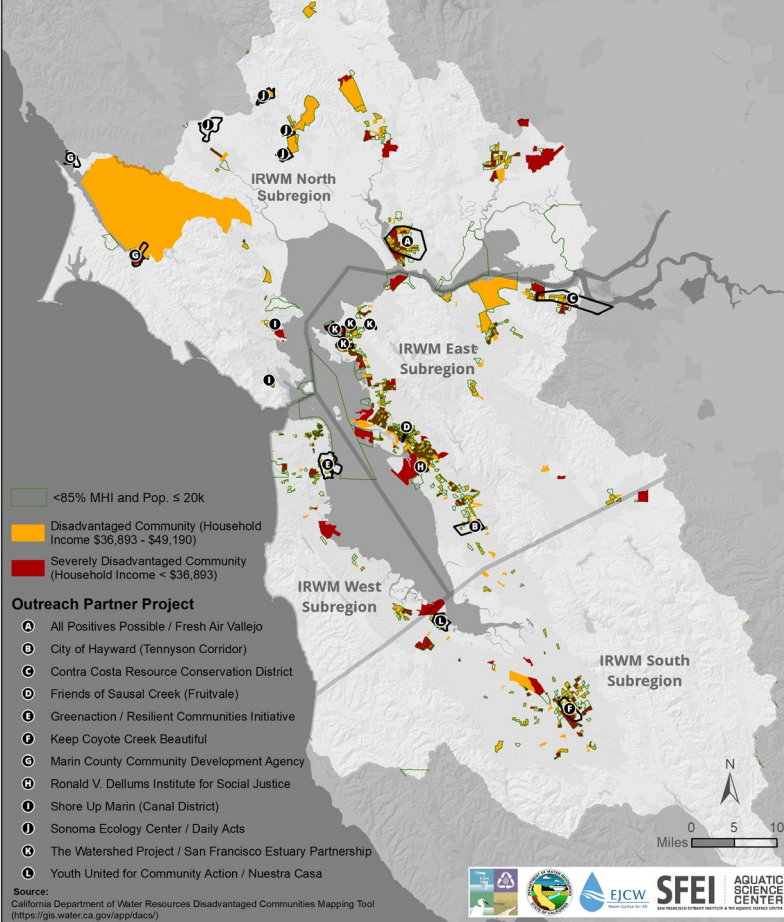




# Communities Participating

## Disadvantaged Communities by Census Block Groups

A Census Block Group is the smallest geographical unit for which sample data is published, typically having a population of 600 - 3000 people.





## Preliminary Findings

- Mistrust in Tap Water Quality
  - Vallejo
  - East Palo Alto
  - Most other communities





## TWQ Testing Program

- Intent of program
- Vision of program
- Possible outcomes





## Preliminary Findings

- Other findings
  - Wastewater management
  - Habitat protection
  - Sea level rise
  - Water shortages
  - Flooding
  - Trash
  - Homelessness
  - Access to outdoor spaces





# Questions?

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