Integrated Regional Water Management Program
IRWM

(Integrated Regional Water Management)
The IRWM Team
What is IRWM?
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**
California Department of Water Resources IRWM Program

IRWM Structure

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

San Francisco Bay Area IRWM Coordinating Committee
Implementation Grants
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

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

* Round 1 closed out and not displayed*
## Prop 84 Project Benefits

<table>
<thead>
<tr>
<th>Habitat Restored</th>
<th>Stream Miles Restored or Enhanced</th>
<th>New Water Sources</th>
<th>Recycled Water Generated</th>
<th>Water Conserved</th>
</tr>
</thead>
<tbody>
<tr>
<td>191 Acres</td>
<td>&gt;10 miles</td>
<td>7,455 AFY</td>
<td>5,471 AFY</td>
<td>2,367 AFY</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th>Round</th>
<th>Grant</th>
<th>Match</th>
<th>Additional Cost Share</th>
<th>Total Project Costs</th>
<th>Total Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1</td>
<td>$22,750,000</td>
<td>$23,917,184</td>
<td>$23,322,123</td>
<td>$69,989,307</td>
<td>8</td>
</tr>
</tbody>
</table>
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

(San Jose)
Prop 1 Round 1: Lower Walnut Creek Restoration
Disadvantaged Community and Tribal Involvement Grant (DACTIP)
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

- <85% MHI and Pop ≤ 20k
- Disadvantaged Community (Household Income $36,903 - $49,190)
- Severely Disadvantaged Community (Household Income < $36,903)

Outreach Partner Project:
- All Positives Possible / Fresh Air Vallejo
- City of Hayward (Tenneyson Corridor)
- Contra Costa Resource Conservation District
- Friends of Sausal Creek (Fruitvale)
- GreenAction / Resident Communities Initiative
- Keep Coyote Creek Beautiful
- Marin County Community Development Agency
- Ronald V. Dellums Institute for Social Justice
- Shore Up Marin (Canal District)
- Sonoma Ecology Center / Daily Acts
- The Watershed Project / San Francisco Estuary Partnership
- Youth United for Community Action / Nuestra Casa

Source:
California Department of Water Resources Disadvantaged Communities Mapping Tool (https://gis.water.ca.gov/dcmapp/dcmapp/)
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
Other findings
- Wastewater management
- Habitat protection
- Sea level rise
- Water shortages
- Flooding
- Trash
- Homelessness
- Access to outdoor spaces
Questions?

James Muller  
james.muller@sifestuary.org

Natasha Dunn  
natasha.dunn@sifestuary.org