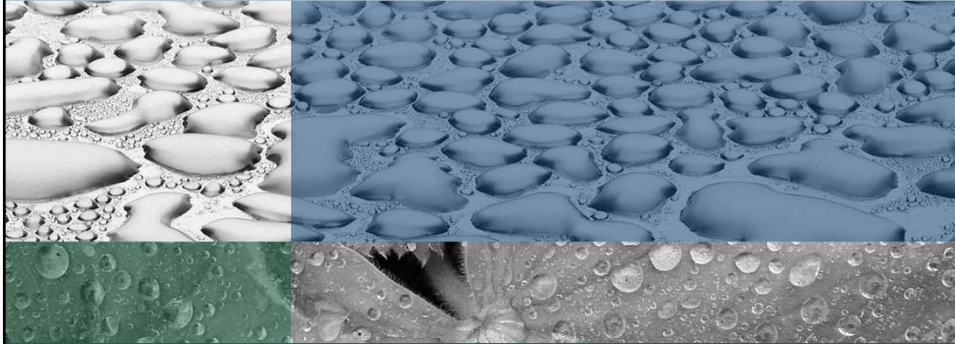


Watershed Workshop Carlsbad – San Dieguito



September 25, 2012

Agenda

- Welcome & Introductions
- IRWM Overview
- Carlsbad Watershed
- San Dieguito Watershed
- Next Steps

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What is Integrated Regional Water Management (IRWM) Planning?

- A new way to increase reliable water supplies, improve water quality and protect natural resources through cooperation among public agencies with different jurisdictions and non-profit public interest organizations
- A mechanism through which San Diego Region is eligible for substantial grant funding from Proposition 84 and Proposition 1E

Benefits of IRWM Planning



San Diego IRWM Region

- All or part of the eleven (11) hydrologic units within San Diego County that discharge to coastal waters



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2007 San Diego IRWM Plan

- Foundation for integrated planning in the San Diego region
- Adopted in December 2007
- Extensive update is currently underway

2007 San Diego Integrated Regional Water Management Plan

Part 1 of 2

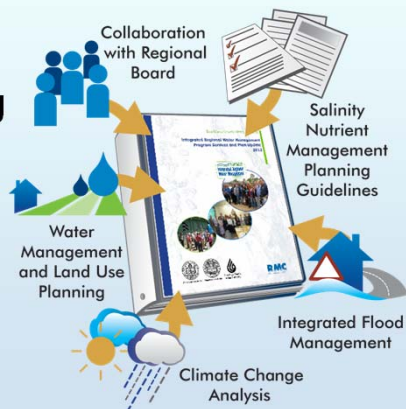


SAN DIEGO
Integrated Regional
Water Management

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2013 San Diego IRWM Plan Update

- Update and improve 2007 IRWM Plan with existing reports, planning studies, and stakeholder input
- Meet new DWR IRWM Plan requirements
- Amend existing plan to characterize resources on a **watershed-scale**



Prop 84-Round 2 Grant Opportunity

- To date, San Diego has received \$9 million in Proposition 84 grant funding through the IRWM Program
- **\$56 million** remaining for our region in implementation grant funding
- DWR recently announced Round 2 of implementation grant funding
- Approximately **\$10.3 million** is available for the San Diego region in Round 2

Project Submittal Process



Project Integration

- Integration: The “I” in IRWM
 - Increases level of benefits for the Region
 - Improves likelihood project will receive IRWM grant funding

Zoological Society of San Diego's Biofiltration Wetland Creation and Education Program integrated water quality improvements with habitat creation and education to the public



Different Types of Integration

- **Partnerships** – Partnerships between different organizations
- **Resource Management** – Employing multiple water management strategies within a single project
- **Beneficial Uses** – Project supports several different beneficial uses
- **Geography** – Implementing watershed- scale or regional- scale projects
- **Hydrology** – Addressing multiple watershed functions within the hydrologic cycle

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Carlsbad Watershed

- **References:**
 - 2002 Carlsbad Watershed Management Plan
 - DWR Groundwater Bulletin 118
 - 2010 Urban Water Management Plans (UWMPs)
 - Watershed Urban Runoff Management Plans (WURMPs)
 - Multiple Species Conservation Plans (MSCPs)
 - RWQCB Basin Plan & 303(d) List

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Carlsbad Watershed

- **Watershed Characterization:**

- Coastal watershed that contains four prominent coastal lagoons
- Complex water systems due to jurisdictional overlap; water supply dominated by imported supplies
- Many water quality listings – bacteria and sedimentation
- Complex flood and stormwater management
- Urbanization and development have led to habitat degradation and loss



Carlsbad Watershed

- **Water Management Issues:**

- Water quality issues associated with urban development
- Impacts on coastal lagoons – sedimentation and bacteria
- Channelization due to urban development – increases sedimentation
- Management of invasive species



Carlsbad Watershed

- **IRWM Priorities for Watershed:**

- What are the watershed priorities for the IRWM Plan Update?
- What multi-benefit projects or programs are well-suited for IRWM funding?



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San Dieguito Watershed

- **References:**

- 2006 San Dieguito Watershed Management Plan
- DWR Groundwater Bulletin 118
- 2010 Urban Water Management Plans (UWMPs)
- Watershed Urban Runoff Management Plans (WURMPs)
- Multiple Species Conservation Plans (MSCPs)
- RWQCB Basin Plan & 303(d) List



San Dieguito Watershed

- **Watershed Characterization:**

- Contains 2 major surface reservoirs and ESP facilities
- Water supply infrastructure dominated by local reservoirs that store imported water and surface runoff
- Ranges from undeveloped mountain region in east to developed coastal areas in the west
- Many water quality listings
- San Dieguito River Valley Regional Open Space Park contains natural resources



San Dieguito Watershed

- **Water Management Issues:**

- Highly diverse, issues associated with conflicting land uses
- Contains water supply infrastructure that is regionally significant and requires source water protection
- Water quality concerns – elevated TDS in groundwater
- Need to protect contiguous habitats



San Dieguito Watershed

- **IRWM Priorities for Watershed:**

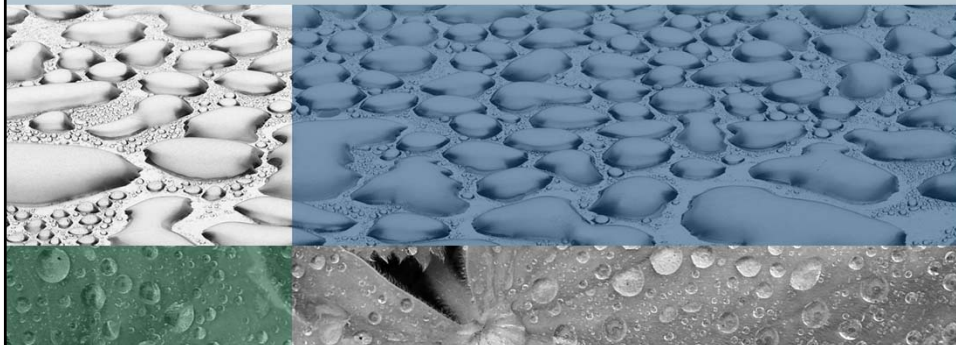
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