



Watershed Workshop
Peñasquitos/San Diego River



September 21, 2012

Agenda

- Welcome & Introductions
- IRWM Overview
- Watershed Characterization
- Water Management Issues
- Watershed Priorities for Plan Update
- 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



- Fosters Collaboration Between Agencies
- Supports Effective Water Management
- Enables Stakeholder Participation
- Positions Region for Funding

San Diego IRWM Region

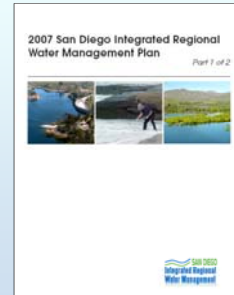
- All or part of the eleven (11) hydrologic units within San Diego County that discharge to coastal waters



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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



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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



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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

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Project Submittal Process



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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



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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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Watershed Workshops



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Peñasquitos

- **References:**
 - 2005 Los Peñasquitos Watershed Management Plan
 - DWR Groundwater Bulletin 118
 - 2010 Urban Water Management Plans (UWMPs)
 - Watershed Urban Runoff Management Plans (WURMPs)
 - Multiple Species Conservation Plans (MSCPs)
 - Watershed Sanitary Surveys



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Peñasquitos

- **Characterization:**
 - Located within Mission Bay Watershed Management Area
 - Primarily reliant on imported water from Miramar Water Treatment Plant
 - Contains ten water bodies listed on the 303(d) list
 - Contains largest block of diverse habitat in coastal San Diego County
 - Los Peñasquitos Lagoon and Mission Bay may be more sensitive to water quality contaminants due to restricted or intermittent tidal flushing



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San Diego River

- **References:**
 - 2005 San Diego River Watershed Management Plan
 - San Diego River Park Master Plan
 - Cleveland National Forest Plan
 - DWR Groundwater Bulletin 118
 - 2010 Urban Water Management Plans (UWMPs)
 - Watershed Urban Runoff Management Plans (WURMPs)
 - Multiple Species Conservation Plans (MSCPs)
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San Diego River

- **Characterization:**
 - Contains two large water supply reservoirs that play important role in the Region's water supply system
 - El Capitan and San Vicente Dams effectively disconnect upper watershed from lower watershed
 - Eastern portion is largely undeveloped, and contains important open space areas
 - Water quality is generally good in upper, undeveloped portion of watershed; and impacted in lower portion due to urban development
 - Flooding is major concern in lowermost portion of watershed



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Key Water Management Issues

- **Peñasquitos:**
 - Rapid urbanization has impacted natural drainage and hydrologic characteristics
 - Pollutant loading from urban runoff
 - Erosion and sedimentation – Los Peñasquitos Lagoon Sediment TMDL



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Key Water Management Issues

- **San Diego River:**
 - Urbanization has resulted in hydromodification and loss of habitat
 - Increased presence of non-native species
 - Water quality – Bacteria TMDL
 - Contains water supply infrastructure that is regionally significant and requires source water protection



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Watershed Priorities

- 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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