

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment A

Memorandum of Understanding for the IRWM Grant Program for FYs 2009-2013

Memorandum of Understanding for the IRWM Grant Program for FYs 2005-2009

Amendment to the Memorandum of Understanding for the IRWM Grant Program for FYs 2005-2009

ORIGINAL

**MEMORANDUM OF UNDERSTANDING
BETWEEN CITY OF SAN DIEGO
COUNTY OF SAN DIEGO, and SAN DIEGO COUNTY WATER AUTHORITY
for the
INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND GRANT PROGRAM
For 2009-2013**

This Memorandum of Understanding (MOU) between the San Diego County Water Authority (Water Authority); the City of San Diego, a municipal agency (City); and the County of San Diego, a political subdivision of the State of California (County) sets forth the respective roles of the Water Authority, City and County in regard to the Integrated Regional Water Management (IRWM) Plan and Grant Program. Water Authority, City and County are sometimes referred to in this MOU collectively as the "Parties" and individually as "Party."

This MOU replaces the Memorandum of Understanding (June 13, 2005), as amended, between City of San Diego, County of San Diego, and San Diego County Water Authority for Fiscal Years 2005-2009 for the IRWM Grant Program.

RECITALS:

1. The California Legislature enacted SBX2 1 (Perata, Chapter 1 Statutes of 2008), the Integrated Regional Water Management Planning Act, which repealed and re-enacted Part 2.2 of Division 6 of the Water Code relating to integrated regional water management plans. SBX2 1 provides that a regional water management group may prepare and adopt an integrated regional water management (IRWM) plan.
2. In November 2002, Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act (Prop 50), authorized the Legislature to appropriate funding for competitive grants for IRWM projects.
3. In November 2006, Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (Prop 84), authorized the Legislature to appropriate funding for competitive grants for IRWM projects.
4. The intent of the IRWM Grant Program (Program) established in accordance with Prop 50 and SBX2 1 is to encourage integrated regional strategies for management of water resources and to provide funding, through competitive grants, for projects that protect communities from drought, protect and improve water quality, promote environmental stewardship, and improve local water security by reducing dependence on imported water.
5. To qualify as a regional water management group (RWMG) and comply with the Program Guidelines (Guidelines) established under Prop 50 and SBX2 1, at least three agencies must participate in the group; two of the agencies must have statutory authority over water management that may include water supply, water quality, flood control, or stormwater management.

DOCUMENT NO. 304719
FILED MAR 10 2009
OFFICE OF THE CITY CLERK SAN DIEGO, CALIFORNIA

6. In 2005, the Parties established an RWMG that consists of the Water Authority and City, both of which have statutory authority over water management, and County, which has statutory authority over water quality and flood control in the unincorporated area.

7. The Parties understand that only through a collaborative effort with the many stakeholders involved in water management planning can the IRWM Plan process be successful in the San Diego region.

8. As part of the public outreach and stakeholder involvement effort, the Parties established the Regional Advisory Committee (RAC), which comprises up to 30 representatives appointed by the Parties from the water management areas of water supply, water quality and natural resources/watersheds management; representatives of businesses, academia and tribes; and other interested members of the public. The purpose of the RAC is to make recommendations to the Parties on key issues related to IRWM planning and grant applications.

9. The Parties, acting with positive recommendations from the RAC, completed the 2007 San Diego IRWM Plan and submitted an implementation grant application (Application) under the second cycle of the Prop 50 IRWM Program. The Parties subsequently were awarded a \$25 million implementation grant application (Application) from the Department of Water Resources (DWR).

10. Prop 84 allocates an additional \$91 million dollars in grant funding for projects developed under the IRWM Plan for the San Diego Funding Area.

11. Prop 84 and Proposition 1E, the Disaster Preparedness and Flood Prevention Bond Act of 2006 (Prop 1E), which passed in 2006, include a combined \$575 million that will be available on a competitive basis statewide for regional flood management and stormwater projects that are consistent with an adopted IRWM Plan. DWR plans to have a single application for Prop 84 IRWM and flood management and Prop 1E stormwater-flood management grant funds.

12. The original MOU between the Parties did not provide funding to implement or update the IRWM Plan, administer the Prop 50 grant contract, or apply for Prop 84 and Prop 1E funding. This MOU consists of five major components: general grant obligations, 2007 San Diego IRWM Plan update, Prop 50 grant contract administration, the role of the RAC, and funding.

Now, therefore, in consideration of the above incorporated recitals and mutual obligations of the Parties herein expressed, the Parties agree as follows:

1. General grant obligations

- a. The Parties are equal partners in the development and submission of State grant applications, including the associated region acceptance process. All Parties shall have necessary reviews and approvals completed by their respective staff before submittal of grant applications.
- b. The Parties shall provide timely input on grant application reviews and approvals according to the schedule upon which they have mutually agreed. The grant

applications shall be developed in accordance with the Guidelines and schedule established by DWR.

- c. Water Authority shall submit the grant applications to the State on behalf of the Parties.
- d. To expedite the grant application process, Water Authority shall provide initial funding for a consultant to develop the applications. The cost of the consultant and applications shall be shared by the parties consistent with Section 5 of this MOU.
- e. Water Authority shall be responsible for developing project lists and managing funding for its member agencies (except City).
- f. City shall be responsible for developing project lists and managing funding for projects that fall within City's jurisdictional boundaries, are located on City-owned property, or are projects in which City is involved as a partner.
- g. County shall be responsible for developing project lists and managing funding for regional non-governmental organizations, stormwater and watershed projects or projects not otherwise explicitly within the responsibilities of the Water Authority or City.
- h. Procurement of all work for the projects shall comply with the terms and conditions of the State Grant and all other applicable laws.

2. San Diego IRWM Plan update

- a. The Parties are equal partners in the update of the IRWM Plan (Plan). Water Authority shall contract with a consultant to update the Plan in compliance with the Guidelines and schedule established by DWR, and submit the updated Plan to the State.
- b. The update of the Plan shall be contingent upon receipt of additional funding.

3. Prop 50 grant contract administration

Definition: A Local Project Sponsor is a proponent of an individual project that will be funded as part of an IRWM Program grant from State. A local project sponsor may be Water Authority, County, City, a Water Authority member agency, a municipality or a non-governmental organization.

- a. The Water Authority shall have overall responsibility for administering the Prop 50 Program grants in the San Diego region unless other mutually agreeable arrangements are made with the granting agencies or among the Parties. Administrative tasks include contracting with the State and Parties, coordinating and submitting reports, and responding to audit requests by the grant agency.
- b. Each Party shall be responsible for managing grant projects as set forth in this section and for requiring adherence to the contractual requirements of the funding agency. A matrix of projects, Local Project Sponsors, and their administering Party is attached.
- c. A Party whose project is awarded Program funding, or who is managing the project of a Local Project Sponsor that has been awarded Program funding, shall invoice the Water Authority, which shall in turn invoice the State. The Water Authority shall, within 60 days of receipt of funds from the State, disburse the funds to the Local Project Sponsor and provide notice of disbursement to Managing Party.

- d. The Parties agree to jointly hire a consultant to assist in administration of the Prop 50 Program grant received by the Region. These tasks include collecting necessary data, preparing required quarterly reports consistent with DWR guidelines and verifying invoices. The Parties shall participate in the consultant selection process and in development of the scope of work. All Parties shall be signatories to the consultant contract; the Water Authority shall be the lead Party for contract administration.
- e. The Parties shall pay for the consultant to assist in administration of the Prop 50 Program grants with a fund that comprises three percent of each individual project grant. To the extent that consultant costs exceed the amount in this fund, and the Parties mutually agree to the additional cost, they shall equally share these costs in accordance with Section 5a.
- f. All public works construction using Prop 50 Funds shall comply with all applicable laws for a "public work," including a Labor Compliance Program.
- g. If the State funds the Program at a level lower than the requested dollar amount and does not provide direction on which projects to fund, the Parties, in consultation with the RAC, shall reevaluate all projects and fund as determined by that reevaluation of projects and their integration into regional priorities and benefits.

4. Role of Regional Advisory Committee (RAC)

The RAC shall be considered the project advisory committee. The Parties are committed to a cooperative relationship with the RAC and will incorporate the RAC's consensus recommendations in draft documents prepared for presentations to the Parties' governing bodies. The Parties' governing bodies will give primary consideration to the recommendations of the RAC as part of any decision related to the following:

- a. Adoption of the updated IRWM Plan for the San Diego region.
- b. Development of the San Diego planning region for DWR's region approval process, which precedes grant applications under the combined Prop 84 and Prop 1E grant program.
- c. Criteria for prioritizing projects for funding under the Prop 84 and Prop 1E grant programs.
- d. Approval and submission of grant applications.
- e. Transition responsibility for implementation of the IRWM Plan to a new institutional structure.

5. Funding

- a. Funding under this agreement shall not exceed \$900,000; each Party shall provide an equal share in an amount not to exceed \$300,000. If costs to implement the MOU exceed \$900,000, the Parties shall contribute equally to a mutually agreed upon increase, the terms of which shall be set forth in an amendment to this MOU.
- b. In-kind services provided by the Parties shall be considered in excess of the above funding amounts. The Parties' staff shall separately document time spent on in-kind services for IRWM planning, administration and grant applications. There shall be no reimbursements for staff costs from Parties not providing the service.
- c. The costs of the MOU shall not include expenditures to administer the Prop 50 grant Program.
- d. Water Authority shall invoice City and County on a quarterly basis along with supporting documentation of expenses. City and County shall remit payment within 60 days of receipt of invoice.

6. Assignment

Parties shall not assign or transfer this MOU or any rights under or interest in this MOU without written consent of all other Parties, which may be withheld for any reason.

7. Defense and Indemnity

Water Authority, City, and County each agree to mutually indemnify, defend at its own expense, including attorneys' fees, and hold each other harmless from and against all claims, costs, penalties, causes of action, demands, losses and liability of any nature whatsoever, including but not limited to liability for bodily injury, sickness, disease or death, property damage (including loss of use) or violation of law, caused by or arising out of or related to any negligent act, error or omission, or willful misconduct of that party, its officers or employees, or any other agent acting pursuant to its control and performing under this Agreement.

Nothing in the foregoing shall be construed to require any Party to indemnify another for any claim arising from the sole negligence or willful act of the Party to be indemnified.

8. Document Review

Water Authority, City and County each shall make available for inspection to the other Parties, upon reasonable advance notice, all records, books and other documents relating to the Plan and the Program, unless privileged.

9. Term

The term of this MOU shall begin on the date of execution by all Parties and expire on December 31, 2013. The Parties agree to continue participating in the planning, development and coordination of the Plan and Grants to the maximum extent possible for the duration of the agreement. However, the term is contingent upon funding by Water Authority, City and County. In the event that future budget appropriations are not approved by one or more of the Parties or by DWR, this MOU shall terminate at the beginning of the fiscal year for which such appropriations are not made. The Parties shall notify each other of this event. Also, if appropriations are different than anticipated, MOU and Program funding shall be adjusted based on available funding.

This MOU may be extended upon mutual written agreement of all Parties.

10. Notice

Any notice, payment, credit or instrument required or permitted to be given hereunder will be deemed received upon personal delivery or 24 hours after deposit in any United States mail depository, first class postage prepaid, and addressed to the Party for whom intended as follows:

If to the Water Authority:

San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123
Attn: Mark Stadler

If to City:

City of San Diego Water Department
600 B Street, Suite 600
San Diego, CA 92101
Attn: Cathy Pieroni

If to County

County of San Diego
5201 Ruffin Road, Suite P
San Diego, CA 92123
Attn: Sheri McPherson

Any Party may change such address or contact by notice given to the other Parties as provided herein.

11. Amendments

The MOU may be amended as circumstances necessitate by written agreement executed by all Parties.

12. Severability

The partial or total invalidity of one or more parts of this MOU will not affect the intent or validity of this MOU.

13. Governing Law

This MOU shall be deemed a contract under the laws of the State of California and for all purposes shall be interpreted in accordance with such laws. Any action brought shall be in San Diego County, California.

14. Obligations

Nothing in this agreement shall create additional obligations with respect to the Plan or Program.

15. Termination of MOU

This MOU may be terminated by any Party hereto for any reason 30 days after notice in writing to the other Parties.

16. Signatures

The individuals executing this MOU represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the date below.

San Diego County
Water Authority

City of San Diego

By: 

Ken Weinberg
Director of Water Resources

By: 

Downs Prior
Principal Contract Specialist
Purchasing & Contracting Department

3/25/09

County of San Diego

By: 

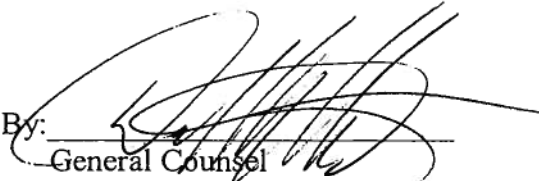
John L. Snyder, Director
Department of Public Works

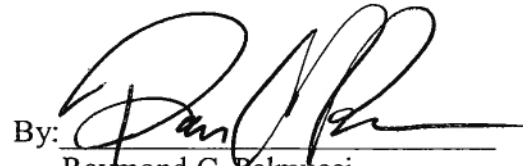
APPROVED AS TO FORM:

ORIGINAL

San Diego County
Water Authority

City of San Diego

By: 
General Counsel
San Diego County Water Authority

By: 
Raymond C. Palmucci
Deputy City Attorney

County of San Diego

By: 
Senior Deputy County Counsel

Date: 3/25/2001

**San Diego Integrated Regional Water Management project list
For Proposition 50 grant funding**

Project title	Local Project Sponsor	Administering party
1 -- Implementation of Integrated Landscape & Agricultural Efficiency Programs	CWA	CWA
2 -- Irrigation Hardware Giveaway and Dry Weather Runoff Reduction Demonstration	City of San Diego	City of San Diego
3 -- Over-irrigation Runoff/Bacteria Reduction	City of Encinitas	CWA
4 -- Santee Water Reclamation Facility Expansion	Padre Dam Municipal Water District	CWA
5 -- Recycled Water Retrofit Assistance Program	CWA	CWA
6 -- Recycled Water Distribution System Expansion, Parklands Retrofit, and Indirect Potable Reuse/Reservoir Augmentation	City of San Diego	City of San Diego
7 -- San Vicente Reservoir Source Water Protection through Watershed Property Acquisition and Restoration Educational Demonstration Wetland Project	CWA	CWA
8 -- El Capitan Reservoir Watershed Acquisition and Restoration Program	San Diego River Park Foundation	City of San Diego
9 -- Northern San Diego County Invasive Non-Native Species Control Program	Mission Resource Conservation District	County of San Diego
10 -- Santa Margarita Conjunctive Use Project Green -- San Dieguito	Fallbrook Public Utility District	CWA
11 -- Carlsbad Desalination Project Local Conveyance	Olivenhain Municipal Water District	CWA
12 -- San Diego Region Four - Reservoir Intertie Conceptual Design	Sweetwater Authority	CWA
13 -- South San Diego County Water Supply Strategy	Sweetwater Authority	CWA
14 -- El Monte Valley Groundwater Recharge and River Restoration Project -- Phases 1 and 2	Helix Water District	CWA
15 -- San Diego Regional Pollution Prevention	San Diego Coastkeeper	County of San Diego
16 -- Biofiltration Wetland Creation and Education Program	Zoological Society of San Diego	County of San Diego
17 -- San Dieguito Watershed Management Plan Implementation Project -- Lake Hodges Natural Treatment System Conceptual Design	San Dieguito Watershed Council	City of San Diego
18 -- Green Mall Porous Paving and Infiltration, Phase 1	City of San Diego	City of San Diego
19 -- Chollas Creek Runoff Reduction and Groundwater Recharge	County of San Diego	County of San Diego

**MEMORANDUM OF UNDERSTANDING
BETWEEN CITY OF SAN DIEGO WATER DEPARTMENT
COUNTY OF SAN DIEGO And SAN DIEGO COUNTY WATER AUTHORITY
FOR FYS 2005-2009 for the
INTEGRATED REGIONAL WATER MANAGEMENT GRANT PROGRAM**

This Memorandum of Understanding (MOU) between the San Diego County Water Authority (WATER AUTHORITY), organized and existing under the County Water Authority Act of the State of California, Chapter 45, Water Code – Appendix and Amendments thereto, the City of San Diego (CITY) and the County of San Diego (COUNTY) sets forth the respective roles of the WATER AUTHORITY, CITY and COUNTY in regard to the INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) GRANT PROGRAM. WATER AUTHORITY, CITY AND COUNTY are sometimes referred to in this MOU collectively as the "PARTIES" and severally as a "PARTY."

RECITALS:

WHEREAS in November 2002, the People of California passed Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act (PROP 50) to amend the California Water Code to add Sections 79560 - 79565, authorizing the Legislature to appropriate funding for competitive grants for IRWM projects;

WHEREAS, the California Legislature enacted SB 1672 (Costa, Chapter 767, Statutes of 2002), The Integrated Regional Water Management Planning Act of 2002, to provide that a regional water management group may prepare and adopt an integrated regional water management plan;

WHEREAS, the intent of the IRWM Grant Program (PROGRAM) established in accordance with PROP 50 and SB 1672 is to encourage integrated regional strategies for management of water resources and to provide funding, through competitive grants, for projects that protect communities from drought, protect and improve water quality, and improve local water security by reducing dependence on imported water;

WHEREAS, the PROGRAM Guidelines (GUIDELINES) provide that in order for implementation grants to be considered, at least three agencies must participate, two of which must have statutory authority over water management that may include water supply, water quality, flood control, or storm water management;

WHEREAS, the PARTIES desire by this MOU to qualify as a regional water management group in order to apply for PROGRAM funding and to develop and implement a PLAN;

WHEREAS, the regional water management group consists of the WATER AUTHORITY and CITY, both of which have statutory authority over water management, and COUNTY, which has statutory authority over water quality;

WHEREAS, this MOU consists of three major components: IRWM Implementation Grant application, development of the IRWM Plan, and the solicitation, selection and administration of projects included in the IRWM Implementation Grant package;

WHEREAS, the PARTIES intend to concurrently apply for Implementation Grant funding and develop an IRWM Plan;

WHEREAS, the PARTIES desire to set forth their respective roles, terms of payment and payment processes and the duration of this MOU as described herein;

NOW, THEREFORE, IN CONSIDERATION OF THE RECITALS AND MUTUAL OBLIGATIONS OF THE PARTIES HEREIN EXPRESSED, WATER AUTHORITY, CITY AND COUNTY AGREE AS FOLLOWS:

1 INTEGRATED REGIONAL WATER MANAGEMENT IMPLEMENTATION GRANT APPLICATION

- a. WATER AUTHORITY shall have primary responsibility for developing and submitting the IRWM implementation grant application (APPLICATION) and shall submit the APPLICATION to the State on behalf of all PARTIES.
- b. WATER AUTHORITY shall issue an RFP for consultant services to develop the Application and shall contract with and have management responsibility for the consultant.
- c. WATER AUTHORITY shall provide funding for the consultant and for development of the Application in order to expedite the APPLICATION process. The cost of the consultant and Application shall be credited toward the WATER AUTHORITY's share of expenses in this MOU. Cost for the consultant and development of the APPLICATION is estimated to be \$50,000.
- d. CITY and COUNTY shall be active participants in the APPLICATION development process and shall provide timely input in accordance to the schedule mutually agreed upon by all PARTIES.
- e. The APPLICATION shall be developed in accordance with the GUIDELINES and schedule established pursuant to Chapter 8, Proposition 50.
- f. All PARTIES shall have necessary reviews and approvals completed by their respective organizations prior to submittal.

2. INTEGRATED REGIONAL WATER MANAGEMENT PLAN DEVELOPMENT

- a. WATER AUTHORITY shall have primary responsibility for developing the IRWM plan (PLAN), including publishing a notice of intent to prepare the plan and holding a public hearing as required by SB 1672. WATER AUTHORITY shall have primary responsibility for submitting the PLAN to the State when required.
- b. WATER AUTHORITY shall issue an RFP for consultant services to develop the PLAN and shall contract with and have management responsibility for the consultant.
- c. WATER AUTHORITY, upon mutual agreement of all PARTIES, may issue a sole source contract for the PLAN to the consultant developing the APPLICATION.

- d. WATER AUTHORITY shall provide up-front funding for the consultant for development of the PLAN. The cost of developing the PLAN is estimated to be \$250,000. Costs will be reimbursed to WATER AUTHORITY per Section 4. Funding.
- e. CITY and COUNTY shall be active participants in the PLAN development process and shall provide timely input in accordance to the schedule mutually agreed upon by all PARTIES.
- f. The PLAN shall be developed in accordance with the GUIDELINES and schedule established pursuant to Chapter 8, Proposition 50 and adopted by all PARTIES by January 1, 2007.
- g. All PARTIES shall have necessary reviews and approvals completed by their respective organizations prior to submittal.

3. INTEGRATED REGIONAL WATER MANAGEMENT GRANT PROJECTS

- a. The GUIDELINES established in accordance with Proposition 50, Chapter 8 provide for two cycles of funding for implementation grants, \$148 million and \$220 million in Cycles 1 and 2, respectively. The PARTIES intend to apply for funding during both cycles. Each PARTY shall be responsible for developing proposals for projects for both funding cycles that meet the requirements of Proposition 50.
 - WATER AUTHORITY shall be responsible for developing project lists and managing funding for member agency projects (other than CITY).
 - CITY shall be responsible for developing project lists and managing funding for projects that fall within CITY's jurisdictional boundaries, are located on CITY-owned property, or are projects in which CITY is involved as a partner.
 - COUNTY shall be responsible for developing project lists and managing funding for regional non-governmental organizations, storm water and watershed projects or projects not otherwise explicitly within the responsibilities of the WATER AUTHORITY or CITY.
 - As mutually agreeable to all PARTIES, responsibilities for developing project lists and managing individual project funding may be divided differently than described above.
- b. The PARTIES shall develop their project proposals to meet the stated program preferences of Proposition 50 for projects that:
 - Include integrated projects with multiple benefits;
 - Support/improve local and regional water supply reliability;
 - Contribute to water quality standards;
 - Eliminate or reduce pollution in impaired water and sensitive habitat areas; and
 - Projects that serve disadvantaged communities.
- c. The PARTIES shall form a team that shall develop selection criteria and priorities for choosing projects for inclusion in the APPLICATION that will result in the greatest opportunity for the San Diego region to receive grant project funding. The PARTIES shall develop selection guidelines based upon the evaluation criteria provided in Proposition 50 and the Proposal Solicitation Package. This may include the selection of an independent advisory panel such as a Project Clean Water Technical Advisory

Committee, or other, to evaluate the integrated regional water benefits of proposed projects.

- d. Projects will first be selected based upon a mix of the stated program preferences and overall quality of projects. As much as practical, consideration will also be given to promoting an equitable distribution of project funding among the respective areas of oversight of each PARTY.
- e. The WATER AUTHORITY shall have overall responsibility for administering the PROGRAM grants in the San Diego region unless other mutually agreeable arrangements are made with the granting agencies. This includes contracting with the State, coordinating and submitting reports required by the grant agency and responding to any audit requests from the granting agencies.
- f. Each PARTY shall notify their respective project managers of the results of the evaluation process by the regional selection committee and of the State selection committee. Each PARTY shall obtain all necessary governing body approvals prior to accepting any grant funding. The PARTIES shall require each non-PARTY to demonstrate its ability to effectively proceed with and complete the non-PARTY's project before grant funding will be accepted.
- g. Each PARTY shall be responsible for managing grant projects as set forth in Section 3 and for requiring adherence to the contractual requirements of the funding agency.
- h. A PARTY whose project is awarded PROGRAM funding, or who is managing the project of a non-PARTY that has been awarded PROGRAM funding, shall be responsible for providing sufficient project funding to operate the project until State funding shall be received.
- i. A PARTY whose project is awarded PROGRAM funding, or who is managing the project of a non-PARTY that has been awarded PROGRAM funding, shall invoice the WATER AUTHORITY who shall in turn invoice the State. A PARTY managing the grant project of a non-PARTY shall require the non-PARTY to invoice the managing PARTY. Upon receipt of State funds by the WATER AUTHORITY, the funds shall promptly be issued to the managing PARTY who shall issue the funds to the non-PARTY, if applicable..
- j. In the event the State agrees to contract directly with a non-PARTY grantee or a PARTY other than the WATER AUTHORITY, the PARTY or non-PARTY grantee may invoice the State in accordance with their agreement. Unless otherwise agreed by the PARTIES, the WATER AUTHORITY shall retain oversight responsibility over projects awarded grants under this MOU.
- k. In the event the State funds the PROGRAM grant APPLICATION package at a level less than the requested dollar amount and does not provide direction on which projects to fund, then the PARTIES shall reevaluate all projects based on the above stated process and fund as determined by that reevaluation of projects and their integration into regional priorities and benefits.

4. FUNDING

Funding under this agreement shall not exceed \$300,000 with each PARTY providing an equal share in a maximum amount of \$100,000. If costs to implement the MOU shall exceed \$100,000 each, then the PARTIES by written amendment to the MOU, may contribute

equally to a mutually agreed upon increase. The increased funding shall be invoiced and paid in the same manner as the original funding. The costs of the MOU shall not include expenditures to implement PROGRAM grants.

WATER AUTHORITY shall invoice CITY and COUNTY on a quarterly basis along with supporting documentation of expenses. CITY and COUNTY shall remit payment within 60 days of receipt of invoice.

PARTIES shall not assign, sublet or transfer this MOU or any rights under or interest in this MOU without written consent of all other PARTIES, which may be withheld for any reason.

5. CEQA

All PARTIES shall be mutually responsible for assuring that the PLAN complies with the requirements of the California Environmental Quality Act (CEQA) and that all necessary documents are filed. Each PARTY shall be individually responsible for CEQA compliance on its projects, or non-PARTY projects that it manages, that are awarded PROGRAM grants.

6. DEFENSE AND INDEMNITY

a. Claims Arising From Sole Acts or Omissions of WATER AUTHORITY

WATER AUTHORITY hereby agrees to defend and indemnify COUNTY, its respective agents, officers and employees (collectively referred to in this paragraph as "COUNTY"), from any claim, action or proceeding against COUNTY, arising solely out of the acts or omissions of WATER AUTHORITY in the performance of this MOU. At its sole discretion, COUNTY may participate at its own expense in the defense of any claim, action or proceeding, but such participation shall not relieve WATER AUTHORITY of any obligation imposed by this MOU. COUNTY shall notify WATER AUTHORITY promptly of any claim, action or proceeding and cooperate fully in the defense. WATER AUTHORITY further agrees to defend and indemnify CITY, its respective agents, officers and employees (collectively referred to in this paragraph as "CITY"), from any claim, action or proceeding against CITY, arising solely out of the acts or omissions of WATER AUTHORITY in the performance of this MOU. At its sole discretion, CITY may participate at its own expense in the defense of any claim, action or proceeding, but such participation shall not relieve WATER AUTHORITY of any obligation imposed by this MOU. CITY shall notify WATER AUTHORITY promptly of any claim, action or proceeding and cooperate fully in the defense.

b. Claims Arising From Sole Acts or Omissions of CITY

CITY hereby agrees to defend and indemnify WATER AUTHORITY, its respective agents, officers and employees (collectively referred to in this paragraph as "WATER AUTHORITY"), from any claim, action or proceeding against WATER AUTHORITY, arising solely out of the acts or omissions of CITY in the performance of this MOU. At its sole discretion, WATER AUTHORITY may participate at its own expense in the defense of any claim, action or proceeding, but such participation

shall not relieve CITY of any obligation imposed by this MOU. WATER AUTHORITY shall notify CITY promptly of any claim, action or proceeding and cooperate fully in the defense. CITY further agrees to defend and indemnify COUNTY, its respective agents, officers and employees (collectively referred to in this paragraph as "COUNTY"), from any claim, action or proceeding against COUNTY, arising solely out of the acts or omissions of CITY in the performance of this MOU. At its sole discretion, COUNTY may participate at its own expense in the defense of any claim, action or proceeding, but such participation shall not relieve CITY of any obligation imposed by this MOU. COUNTY shall notify CITY promptly of any claim, action or proceeding and cooperate fully in the defense.

c. Claims Arising From Sole Acts or Omissions of COUNTY

COUNTY hereby agrees to defend and indemnify WATER AUTHORITY, its respective agents, officers and employees (collectively referred to in this paragraph as "WATER AUTHORITY"), from any claim, action or proceeding against WATER AUTHORITY, arising solely out of the acts or omissions of COUNTY in the performance of this MOU. At its sole discretion, WATER AUTHORITY may participate at its own expense in the defense of any claim, action or proceeding, but such participation shall not relieve COUNTY of any obligation imposed by this MOU. WATER AUTHORITY shall notify COUNTY promptly of any claim, action or proceeding and cooperate fully in the defense. COUNTY further agrees to defend and indemnify CITY, its respective agents, officers and employees (collectively referred to in this paragraph as "CITY"), from any claim, action or proceeding against CITY, arising solely out of the acts or omissions of COUNTY in the performance of this MOU. At its sole discretion, CITY may participate at its own expense in the defense of any claim, action or proceeding, but such participation shall not relieve COUNTY of any obligation imposed by this MOU. CITY shall notify COUNTY promptly of any claim, action or proceeding and cooperate fully in the defense.

d. Claims Arising From Concurrent Acts or Omissions

WATER AUTHORITY hereby agrees to defend itself, CITY hereby agrees to defend itself, and COUNTY hereby agrees to defend itself, from any claim, action or proceeding arising out of the concurrent acts or omissions of WATER AUTHORITY, CITY and COUNTY. In such cases, WATER AUTHORITY, CITY and COUNTY agree to retain their own legal counsel, bear their own defense costs, and waive their right to seek reimbursement of such costs, except as provided in paragraph f below. In the case of a claim that arises from the concurrent acts or omissions of only two of the PARTIES, those two shall defend and indemnify the third PARTY equally.

e. Joint Defense

Notwithstanding paragraph d above, in cases where the PARTIES agree in writing to a joint defense, the PARTIES may appoint joint defense counsel to defend the claim, action or proceeding arising out of the concurrent acts or omissions of the PARTIES. Joint defense counsel shall be selected by mutual agreement of the PARTIES. The PARTIES agree to share the costs of such joint defense and any agreed settlement in equal amounts, except as provided in paragraph f below. The PARTIES further agree

that no PARTY may bind another to a settlement agreement without the written consent of the PARTY to be bound.

f. Reimbursement and/or Reallocation

Where a trial verdict or arbitration award allocates or determines the comparative fault of the PARTIES, each PARTY may seek reimbursement and/or reallocation of defense costs, settlement payments, judgments and awards, consistent with such comparative fault.

7. DOCUMENT REVIEW

WATER AUTHORITY, CITY and COUNTY each shall make available for inspection to the other PARTIES, upon reasonable advance notice, all records, books and other documents relating to the PLAN and the GRANT PROGRAM, unless privileged.

8. TERM

The term of this MOU shall be from the date of execution by all PARTIES through June 30, 2009. All PARTIES agree to continue participating in the planning, development and coordination of the PLAN and Grants to the maximum extent possible for the duration of the agreement. However, the term is contingent upon funding by WATER AUTHORITY, CITY and COUNTY. In the event that future budget appropriations are not approved by one or more of the PARTIES, this MOU shall terminate at the beginning of the fiscal year for which such appropriations are not made. The PARTIES shall notify each other of this event. Also, if appropriations are different than anticipated, MOU and GRANT PROGRAM funding shall be adjusted based on available funding.

This MOU may be extended upon mutual written agreement of all PARTIES.

9. NOTICE

Any notice, payment, credit or instrument required or permitted to be given hereunder will be deemed received upon personal delivery or 24 hours after deposit in any United States mail depository, first class postage prepaid, and addressed to the PARTY for whom intended as follows:

If to the WATER AUTHORITY:

San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123
Attn: Vickie V. Driver

If to CITY:

City of San Diego Water Department
2797 Caminito Chollas
San Diego, CA 92105
Attn: Robert J. Collins

If to COUNTY

County of San Diego
9325 Hazard Way
San Diego, CA 92123
Attn: Jon Van Rhyn

Any PARTY may change such address or contact by notice given to the other PARTIES as provided herein.

10. AMENDMENTS

The MOU may be amended as circumstances necessitate by written agreement executed by all PARTIES.

11. SEVERABILITY

The partial or total invalidity of one or more parts of this MOU will not affect the intent or validity of this MOU.

12. GOVERNING LAW

This MOU shall be deemed a contract under the laws of the State of California and for all purposes shall be interpreted in accordance with such laws. WATER AUTHORITY, CITY and COUNTY hereby agree and consent to the exclusive jurisdiction of the courts of the State of California and that the venue of any action brought hereunder shall be in San Diego County, California.

13. OBLIGATIONS

Nothing in this agreement shall create additional obligations with respect to the Plan implemented.

14. TERMINATION OF MOU

This MOU may be terminated by any PARTY hereto for any reason 30 days after notice in writing to the other PARTIES.


15. SIGNATURES


The individuals executing this MOU represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the PARTIES have executed this MOU as of the date above.


San Diego County
Water Authority

City of San Diego

By: 
Ken Weinberg
Director of Water Resources

By: 
Frank Belock, Jr.
Water Department Director

County of San Diego

By: 
Winston F. McColl, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

San Diego County
Water Authority

City of San Diego

By: 
General Counsel
San Diego County Water Authority

By: 
Deputy City Attorney

By: 
Senior Deputy County Counsel

15. SIGNATURES

The individuals executing this MOU represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the PARTIES have executed this MOU as of the date above.

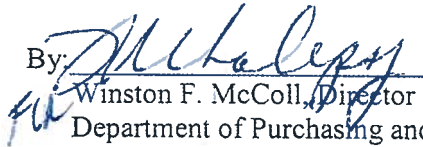
San Diego County
Water Authority

City of San Diego

By: _____
Ken Weinberg
Director of Water Resources

By: _____
Frank Belock, Jr.
Water Department Director

County of San Diego

By:  _____
Winston F. McColl, Director
Department of Purchasing and Contracting

APPROVED AS TO FORM:

San Diego County
Water Authority

City of San Diego

By: _____
General Counsel
San Diego County Water Authority

By: _____
Deputy City Attorney

By:  _____
Senior Deputy County Counsel

13. OBLIGATIONS

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15. SIGNATURES

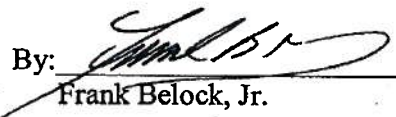
The individuals executing this MOU represent and warrant that they have the legal capacity and authority to do so on behalf of their respective legal entities.

IN WITNESS WHEREOF, the PARTIES have executed this MOU as of this
_____ day of JUN 13, 2005.

San Diego County
Water Authority

City of San Diego

By: _____
Ken Weinberg
Director of Water Resources

By: 
Frank Belock, Jr.
Water Department Director

County of San Diego

By: _____
Winston F. McColl, Director
Department of Purchasing and Contracting

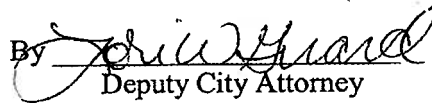
[SIGNATURES CONTINUE ON NEXT PAGE]

APPROVED AS TO FORM

San Diego County
Water Authority

City of San Diego
MICHAEL J. AGUIRRE, City
Attorney

By: _____
General Counsel
San Diego County Water Authority

By: 
Deputy City Attorney

County of San Diego

By: _____
Senior Deputy County Counsel

FIRST AMENDMENT TO MEMORANDUM OF UNDERSTANDING BETWEEN CITY OF
SAN DIEGO, COUNTY OF SAN DIEGO AND SAN DIEGO COUNTY WATER
AUTHORITY FOR FISCAL YEARS 2005-2009 FOR THE INTEGRATED REGIONAL
WATER MANAGEMENT GRANT PROGRAM

RECITALS

WHEREAS, on June 13, 2005, the City of San Diego [CITY], the County of San Diego [COUNTY] and the San Diego County Water Authority [WATER AUTHORITY] (collectively, the "PARTIES") entered into a Memorandum of Understanding [MOU] for the purposes of forming a Regional Water Management Group (RWMG), developing an Integrated Regional Water Management (IRWM) Plan and applying for Chapter 8, Proposition 50 grant funding. Acting as the RWMG, the PARTIES applied for grant funding under the first cycle of Proposition 50, but were not awarded grant funding. The RWMG is now focusing on completing the IRWM Plan and preparing for additional funding cycles.

WHEREAS, the PARTIES are currently in the process of preparing an IRWM Plan, which is scheduled to be completed by January 2008 and will be presented to the PARTIES' governing bodies for approval. The MOU did not address or provide funding for implementation of the IRWM Plan if adopted. In order to efficiently implement the IRWM Plan, the PARTIES believe it would be desirable to create a separate institutional structure, which will include the active participation of the stakeholders whose projects have been incorporated into the IRWM Plan.

WHEREAS, Proposition 84, approved by the voters in November of 2006, will allocate an additional \$91 million dollars in grant funding for projects developed under IRWM Plans for the San Diego Hydrologic region.

WHEREAS, the MOU did not anticipate provide funding to prepare Proposition 50, Chapter 8, grant applications beyond the first cycle or potential grant applications under Proposition 84.

WHEREAS, it is estimated that it will cost approximately \$600,000 to apply for additional IRWM Plan grant funding, conduct public/stakeholder outreach activities, and establish an agreement between all stakeholders for the creation of an institutional structure that will carry out the implementation of the IRWM Plan.

WHEREAS, the PARTIES understand that only through a collaborative effort with the many stakeholders involved in water management planning can the IRWM Plan process be successful in the San Diego region.

WHEREAS, as part of the public outreach and stakeholder involvement effort, the PARTIES have formed a Regional Advisory Committee (RAC). The RAC is currently comprised of 25 representatives appointed by the PARTIES from the water management areas of water supply, water quality and natural resources/watersheds management, and representatives of businesses, academia, and other interested members of the public. The purpose of the RAC is to make recommendations to the PARTIES on key issues related to IRWM Plan preparation and Proposition 50 Chapter 8 grant application.

NOW THEREFORE, IN CONSIDERATION OF THE RECITALS AND MUTUAL OBLIGATIONS OF THE PARTIES HEREIN EXPRESSED, WATER AUTHORITY, CITY, AND COUNTY AGREE TO AMEND THE MOU AS FOLLOWS:

1. Upon execution of this First Amendment to the MOU, in lieu of the process set forth in Section 1, Integrated Regional Water Management Implementation Grant Application, the PARTIES agree to apply for IRWM Plan grant funding under Proposition 50, Chapter 8, as follows:
 - a. WATER AUTHORITY will have lead responsibility for developing and submitting the IRWM Plan implementation grant application(s) (APPLICATION) and will submit the APPLICATION to the State on behalf of the PARTIES.
 - b. WATER AUTHORITY will enter into an agreement for contractor services to develop the APPLICATION and associated tasks, and will manage the contractor agreement.
 - c. WATER AUTHORITY will provide funding for the contractor in order to expedite the APPLICATION process. The contractor expenses incurred will be equally shared and paid between the WATER AUTHORITY, CITY and COUNTY, subject to the funding procedures described in Section 4, Funding.
 - d. CITY and COUNTY will be active participants in the APPLICATION development process and shall provide timely input, review, and approvals.
 - e. The APPLICATION will be developed in accordance with the State's grant funding guidelines and schedule established pursuant to Proposition 50 and Proposition 84 standards.
 - f. The PARTIES will have the necessary reviews and approvals completed by their respective organizations prior to approval.
2. The PARTIES agree to administer any grant funding projects under the terms of Section 3 of the MOU.
3. In accordance with Section 4 of the MOU, Funding, the PARTIES agree to provide up to an additional \$600,000 in funding to be equally shared among the PARTIES (up to \$200,000 each) for the following purposes:
 - a. Prepare and submit APPLICATION;
 - b. Conduct public and stakeholder outreach activities to complete the IRWM Plan, gain support for the IRWM Plan, and obtain input on APPLICATION; including jointly planning and conducting an IRWM Plan public outreach program to interested governmental agencies, non-governmental organizations and members of the public, informational meetings held at various locations in San Diego County, preparation of public information materials, maintenance of a project website, and other generally accepted means.
 - c. Create a new institutional structure that will carry out the implementation of the IRWM Plan, if adopted.
4. The PARTIES are committed to a cooperative relationship with the RAC. The RAC's consensus recommendation will be incorporated into draft documents prepared for presentation to the PARTIES' governing bodies. the RAC shall be considered the project advisory committee. The PARTIES' governing bodies will

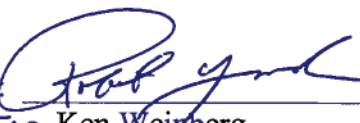
give primary consideration to the recommendations of the RAC as part of any decision related to the following:

- a. Adoption of the final IRWM Plan for the San Diego region;
 - b. Criteria for prioritizing projects for funding under Proposition 50 or Proposition 84;
 - c. Approval and submission of IRWM Plan grant APPLICATION ;
 - d. Transition responsibility for implementation of the IRWM Plan to a new institutional structure.
5. If the IRWM Plan is adopted, the PARTIES agree to continue to work with the RAC to establish the new institutional structure and to transition responsibility for implementation of the IRWM Plan, and the administration of any grant funding obtained through APPLICATION submitted under this MOU to the new institutional structure, if approved by the PARTIES' governing bodies.
 6. Section 2 of the MOU, Intergrated Regional Water Management Plan Development, is amended by changing the date for proposed adoption of the PLAN set forth in Subsection (g) to January 1, 2008.
 7. Section 9 of the MOU, Notice, is amended by changing CITY's point of contact to
City of San Diego Water Department
600 B Street, Suite 600
San Diego, CA 92021
Attn: Jeffery Pasek
 8. This First Amendment to the MOU may be signed in counterpart by the PARTIES.

County of San Diego

San Diego County Water Authority

By: _____
John L. Snyder,
Director, Department of Public Works

By: 
FOR Ken Weinberg,
Director of Water Resources

Date: _____

Date: _____

City of San Diego

By: _____
J. M. Barrett
Water Department Director

Date: _____

I hereby approve the form and legality of the foregoing First Amendment this 31 day of July, 2007.

By: 

DANIEL HENTSCHKE, General Counsel
San Diego County Water Authority

I hereby approve the form and legality of the foregoing First Amendment this _____ day of _____, 2007.

JOHN SANSONE, County Counsel

By: _____

Senior Deputy County Counsel

I hereby approve the form and legality of the foregoing First Amendment this _____ day of _____, 2007.

MICHAEL J. AGUIRRE, City Attorney

By: _____

Deputy City Attorney

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment B

Resolution of the San Diego County Water Authority Adopting the 2007 San Diego IRWM Plan

Resolution of the San Diego County Water Authority Adopting the Amended 2007 San Diego IRWM Plan

Resolution of the City of San Diego Mayor and City Council Adopting the 2007 San Diego IRWM Plan

Resolution of the San Diego County Board of Supervisors Adopting the 2007 San Diego IRWM Plan

RESOLUTION No. 2007- 24

**RESOLUTION OF THE BOARD OF
DIRECTORS OF THE SAN DIEGO COUNTY
WATER AUTHORITY ADOPTING THE 2007
SAN DIEGO INTEGRATED REGIONAL WATER
MANAGEMENT PLAN**

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

WHEREAS, the 2007 San Diego IRWM Plan defines the San Diego Region as the 11 parallel and similar hydrologic units with the county that discharge to coastal water; and

WHEREAS, the San Diego IRWM Plan establishes the plan's mission, vision, goals, objectives and regional priorities; and

WHEREAS, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration and communication among governmental and non-governmental water stakeholders; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2005 Urban Water Management Plan; and

WHEREAS, having an IRWM Plan in place will position the San Diego Region to compete for funding opportunities; and

WHEREAS, the Water Authority Board of Directors is the decision-making body for the Water Authority; and

WHEREAS, adoption of the San Diego IRWM Plan by the San Diego County Water Authority Board of Directors is a required element of the San Diego Region's application for Proposition 50, Chapter 8 funding; and

WHEREAS, the Water Authority Board of Directors accepted the public review draft IRWM Plan at its July 26, 2007 meeting; and

WHEREAS, on September 19, 2007, the RAC recommended that the Water Authority Board adopt the San Diego IRWM Plan; and

WHEREAS, the Board of Directors has considered the reports submitted by Water Authority staff on IRWM planning dated February 14, 2007; May 16, 2007; July 18, 2007; and September 19, 2007.

NOW, THEREFORE, the Board of Directors of the San Diego County Water Authority resolves the following:

1. The foregoing facts are true and correct.
2. The Board of Directors adopts the final draft of the 2007 San Diego Integrated Regional Water Management Plan.


PASSED, APPROVED AND ADOPTED, this 25th day of October, 2007, by the following vote:

AYES: Unless noted below all Directors voted aye.

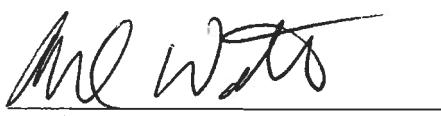
NOES:

ABSTAIN: Barrett and Pocklington

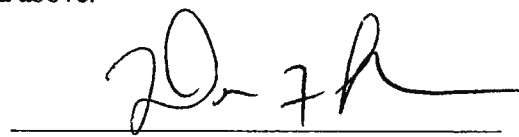
ABSENT: Brammell, Craver, Croucher, Lewinger, Martin (p), Muir,
Petty and Price


Fern M. Steiner
Chair

ATTEST:


Mark W. Watton
Secretary

I, Doria F. Lore, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2007- 24 was duly adopted at the meeting of the Board of Directors on the date stated above.


Doria F. Lore
Clerk of the Board

RESOLUTION No. 2008-01

**RESOLUTION OF THE BOARD OF
DIRECTORS OF THE SAN DIEGO COUNTY
WATER AUTHORITY ADOPTING THE AMENDED 2007
SAN DIEGO INTEGRATED REGIONAL WATER
MANAGEMENT PLAN**

WHEREAS, the San Diego Regional Water Management Group (RWMG), in close cooperation with the Regional Advisory Committee (RAC), has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance of water quality, provide stewardship of natural resources and coordinate and integrate water resource management in the region; and

WHEREAS, the 2007 San Diego IRWM Plan defines the San Diego Region as the 11 parallel and similar hydrologic units with the county that discharge to coastal water; and

WHEREAS, the San Diego IRWM Plan establishes the plan's mission, vision, goals, objectives and regional priorities; and

WHEREAS, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration and communication among governmental and non-governmental water stakeholders; and

WHEREAS, achieving IRWM grant funding will help to achieve the regional water supply goals established in the Water Authority's 2005 Urban Water Management Plan; and

WHEREAS, having an IRWM Plan in place will position the San Diego Region to compete for funding opportunities; and

WHEREAS, the Water Authority Board of Directors is the decision-making body for the Water Authority; and

WHEREAS, adoption of the San Diego IRWM Plan by the San Diego County Water Authority Board of Directors is a required element of the San Diego Region's application for Proposition 50, Chapter 8 funding; and

WHEREAS, on September 19, 2007, the RAC recommended that the Water Authority Board adopt the San Diego IRWM Plan; and

WHEREAS, the Water Authority Board of Directors adopted the San Diego IRWM Plan at its October 25, 2007 meeting; and

WHEREAS, subsequent to October 25, 2007, the San Diego IRWM Plan has been amended; and

WHEREAS, the Board of Directors has considered the reports submitted by Water Authority staff on IRWM planning dated February 14, 2007; May 16, 2007; July 18, 2007; September 19, 2007; October 25, 2007; and January 24, 2008.

NOW, THEREFORE, the Board of Directors of the San Diego County Water Authority resolves the following:

1. The foregoing facts are true and correct.
2. The Board of Directors adopts the 2007 San Diego Integrated Regional Water Management Plan, as amended, dated January 24, 2008, and on file with the clerk of the board.

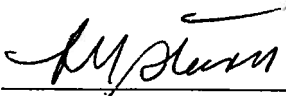
PASSED, APPROVED AND ADOPTED, this 24th day of January, 2008, by the following vote:

AYES: Unless otherwise noted, all Directors present voted aye.

NOES:

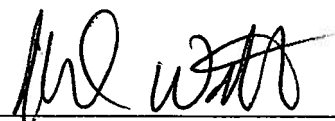
ABSTAIN:

ABSENT: Arant (p), Bowersox, Brammell, Craver, Ferguson, and Ken Williams




Fern M. Steiner
Chair

ATTEST:



Mark W. Watton
Secretary

I, Doria F. Lore, Clerk of the Board of the San Diego County Water Authority, certify that the vote shown above is correct and this Resolution No. 2008-01_____ was duly adopted at the meeting of the Board of Directors on the date stated above.



Doria F. Lore
Clerk of the Board

RESOLUTION NUMBER R- 303237

DATE OF FINAL PASSAGE DEC 18 2007

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN
DIEGO REQUESTING THAT THE MAYOR ADOPT THE SAN
DIEGO INTEGRATED REGIONAL WATER MANAGEMENT
PLAN

WHEREAS, the San Diego Regional Water Management Group, consisting of the City of San Diego (City), the County of San Diego (County), and the San Diego County Water Authority (Water Authority) with the close cooperation of the Regional Advisory Committee, has drafted the first San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance water quality, provide stewardship of natural resources and coordination and integration of water resource management in the region; and

WHEREAS, California voters in 2002 passed Proposition 50 which authorizes the allocation of \$500 million in state funds for local IRWM projects and Proposition 84 in 2006 which authorizes \$1 billion in state funds for local IRWM projects with \$91 million allocated to the San Diego region with the possibility of receiving \$100 million in any unallocated funds; and

WHEREAS, California voters passed Proposition 1E in 2006, which provides \$300 million statewide for flood management and storm water projects identified in an IRWM plan; and

WHEREAS, in 2005 the City, County and Water Authority formed, via a Memorandum of Understanding entered into by the City as authorized by the City Council in Resolution No. R-300517 on June 13, 2005, a Regional Water Management Group to create the IRWM plan and to pursue Propositions 50, 84 and 1E grant funding; and

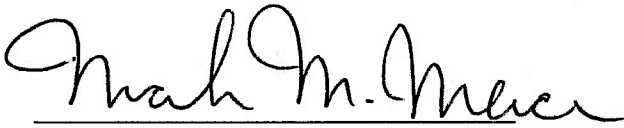
WHEREAS, the San Diego Region has prepared a package of 21 IRWM projects for Proposition 50 Round 2 grant funding, with a total state funding request of \$25 million, including 5 IRWM projects funded by the City which are eligible to receive \$5.7 million in state funding; and

WHEREAS, the IRWM Plan has been approved by the Regional Advisory Committee and the public in a thirty-day public review; and

WHEREAS, IRWM Plan must be adopted by the City, County and Water Authority by January 1, 2008 to be eligible for Proposition 50 and Proposition 84 grant funding; NOW THEREFORE

BE IT RESOLVED, that the Mayor be authorized to adopt the IRWM plan on behalf of the City.

APPROVED: MICHAEL J. AGUIRRE, City Attorney

By 
MARK M. MERCER
Deputy City Attorney

MMM:sb
10/25/07
Or.Dept: Water
R-R-2008-369

I hereby certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of DEC 04 2007.

ELIZABETH S. MALAND
City Clerk

By Mary Zumaña
Deputy City Clerk

Approved: 12.18.07
(date)

JSL
JERRY SANDERS, Mayor

Vetoed: _____
(date)

JERRY SANDERS, Mayor

Passed by the Council of The City of San Diego on DEC 04 2007-, by the following vote:

Council Members	Yeas	Nays	Not Present	Ineligible
Scott Peters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kevin Faulconer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Toni Atkins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anthony Young	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brian Maienschein	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Donna Frye	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jim Madaffer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ben Hueso	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date of final passage DEC 18 2007 * Motion to amend Proposition 50 Projects-
13678-yea; 245-nay.

AUTHENTICATED BY:

JERRY SANDERS

Mayor of The City of San Diego, California.

ELIZABETH S. MALAND

City Clerk of The City of San Diego, California.

(Seal)

By Mary Zuma, Deputy

Office of the City Clerk, San Diego, California

Resolution Number R-303237

**RESOLUTION OF THE SAN DIEGO COUNTY BOARD OF SUPERVISORS
ADOPTING THE 2007 SAN DIEGO INTEGRATED REGIONAL WATER
MANAGEMENT (IRWM) PLAN**

WHEREAS, the County of San Diego (County), in cooperation with the San Diego County Water Authority (Water Authority) and the City of San Diego (City) has formed a San Diego Regional Water Management Group (RWMG); and

WHEREAS, on December 3, 2003, the Board of Supervisors authorized County staff to apply for and accept grant funds pursuant to Proposition 50, the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002; and

WHEREAS, on May 11, 2005, the Board of Supervisors authorized County staff to enter into a Memorandum of Understanding (MOU) with the Water Authority and City to develop a Proposition 50 Integrated Regional Water Management Grant Application; and

WHEREAS, on July 25, 2007, the Board of Supervisors authorized the first amendment to the MOU with the Water Authority and the City; and

WHEREAS, the RWMG, in close cooperation with a Regional Advisory Committee, has drafted the 2007 San Diego Integrated Regional Water Management (IRWM) Plan to optimize water supply reliability, protect and enhance water quality, provide stewardship of natural resources, and coordinate and integrate water resource management in the region; and

WHEREAS, the San Diego IRWM Plan will form the foundation of long-term IRWM planning in the region, fostering coordination, collaboration, and communication among governmental and non-governmental water stakeholders; and

WHEREAS, having an IRWM Plan will position the San Diego Region to compete for funding opportunities presently available under Proposition 50, Proposition 84 (the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006), and Proposition 1E (Disaster Preparedness and Flood Prevention Bond Act of 2006); and

WHEREAS, the County of San Diego Board of Supervisors is the decision-making body for the County of San Diego; and

WHEREAS, adoption of the San Diego IRWM Plan by the San Diego County Board of Supervisors is a requirement of the San Diego Region's application for Proposition 50 and Proposition 84 funding and may become a requirement for funding under Proposition 1E and other State propositions, legislation or appropriations; and

WIIEREAS, on September 19, 2007, the Regional Advisory Committee recommended that the County of San Diego Board of Supervisors accept the San Diego IRWM Plan.

NOW, THEREFORE, BE IT RESOLVED that the County of San Diego Board of Supervisors resolves the following:

- 1) The foregoing facts are true and correct.
- 2) The Board of Supervisors adopts the 2007 San Diego Integrated Regional Water Management Plan.

APPROVED AS TO FORM AND LEGALITY
COUNTY COUNSEL

BY 
SENIOR DEPUTY

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment C

Memorandum of Understanding for Integrated Regional Water Management Planning and Funding in the San Diego Funding Area

**MEMORANDUM OF UNDERSTANDING
FOR INTEGRATED REGIONAL WATER MANAGEMENT PLANNING AND
FUNDING IN THE SAN DIEGO SUB-REGION FUNDING AREA**

PARTIES:

This Memorandum of Understanding (MOU) is entered into this 28th day of April 2009 (Effective Date) among the Parties listed below:

1. San Diego County Regional Water Management Group (RWMG), hereinafter SDRWMG Planning Region Agencies, includes the following members:

CITY OF SAN DIEGO, hereinafter SD CITY; COUNTY OF SAN DIEGO, hereinafter SD COUNTY; and SAN DIEGO COUNTY WATER AUTHORITY, hereinafter SDCWA.

2. Orange County RWMG, hereinafter OCRWMG Planning Region Agencies, includes the following members: COUNTY OF ORANGE, hereinafter ORANGE COUNTY; MUNICIPAL WATER DISTRICT OF ORANGE COUNTY, hereinafter MWDOC; and SOUTH ORANGE COUNTY WASTERWATER AUTHORITY, hereinafter SOCWA.

3. Riverside County Upper Santa Margarita RWMG, hereinafter RCRWMG Planning Region Agencies, includes the following members: RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, hereinafter RCFCWCD; COUNTY OF RIVERSIDE, hereinafter RIVERSIDE COUNTY; and RANCHO CALIFORNIA WATER DISTRICT, hereinafter RCWD.

Agencies acting collectively under this agreement are the TRI-COUNTY FUNDING AREA COORDINATING COMMITTEE, hereinafter called the TRI-COUNTY FACC. The agencies also are sometimes referred to in this MOU collectively as “Parties” and individually as “Party.”

RECITALS:

- A. Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (Public Resources Code, sections 75020-75029), authorizes the Legislature to appropriate funding for competitive grants for Integrated Regional Water Management (IRWM) projects. Funding is administered by the Department of Water Resources (DWR).
- B. The intent of the Act is to encourage integrated regional strategies for management of water resources and to provide funding through competitive grants, for projects that protect communities from drought, protect and improve water quality, promote environmental stewardship, and improve local water security by reducing dependence on imported water.
- C. The San Diego Sub-Region, also known as the San Diego Funding Area, comprises the three Parties – the SDRWMG, OCRWMG and RCRWMG. The boundaries of the SDRWMG, OCRWMG and RCRWMG are shown in Attachment A, and coordinated through this MOU.
- D.
 1. The San Diego Sub-Region has been allocated \$91 million through Proposition 84.
 2. For the purposes of this agreement, the formula for allocating funds among the Parties will be based on a combination of land area and population as of 2007. The division of funding shall be consistent with Attachment B.
- E. DWR may establish standards to guide the selection of IRWM projects within the funding areas identified in the measure and shall defer to approved local project selection,

reviewing projects only to ensure they are consistent with Public Resources Code section 75028 (a).

- F. Each Party has prepared an accepted IRWM plan and desires close coordination to enhance the quality of planning, identify opportunities for supporting common goals and projects, and improve the quality and reliability of water in the Funding Area. The Parties will coordinate and work together with their advisory groups to identify projects of value across planning regions, identify funding for highly ranked projects, and support implementation.
- G. The San Diego Funding Area will balance the necessary autonomy of each planning region to plan for itself at the appropriate scale with the need to coordinate among themselves to improve inter-regional cooperation and efficiency. By consensus, the Parties have developed an agreement to improve the IRWM planning process in the Funding Area to coordinate planning across planning region lines and facilitate the appropriation of funding for IRWM projects by DWR.
- H. The Parties will coordinate on grant funding requests to ensure that the sum of the total grant requests does not exceed the amount identified for the funding region.

The RECITALS are incorporated herein and the PARTIES hereby mutually agree as follows:

1. Definitions

The following terms and abbreviations, unless otherwise expressly defined in their context, shall mean:

- A. **Funding Area** – The 11 regions and sub-regions referenced in Public Resources Code section 75027(a) and allocated a specific amount of funding to support IRWM activities. The San Diego Funding Area incorporates lands in the San Diego Regional Water Quality Control Board jurisdiction as of 2004, including portions of San Diego, Orange and Riverside counties.
- B. **RWMG** –An RWMG is comprised of at least three agencies, two of which must have statutory authority over water management. An RWMG is the documented leader of IRWM planning and implementation efforts in a planning region.
- C. **Planning Region** – Planning regions integrate stakeholders, agencies and projects in their regions and coordinate with other planning regions and DWR. The boundaries of the three planning regions in the San Diego Funding Area shown in attachment A.
- D. **Tri-County Funding Area Coordinating Committee (Tri-County FACC)** –Will comprise at least one representative from each recognized RWMG in the Funding Area. The Tri-County FACC will meet periodically to discuss issues pertaining to the Funding Area and make recommendations to the RWMGs.
- E. **Watershed Overlay Areas** – Identified areas within a watershed that cross planning region boundaries. Watershed Overlay Areas will be subject to special coordination and collaboration between the appropriate planning regions to ensure maximum watershed benefits in the IRWM plans of the Funding Area. The Santa Margarita and the San Mateo Watershed Overlays are shown in Attachment A.
- F. **Watershed Overlay Subcommittee** –.The overlay subcommittee will be formed to identify projects that pertain to the watershed overlay areas and recommend them to the Tri-County FACC. The Subcommittee will comprise a representative of each Party in the watershed overlay area as well as other stakeholders agreed upon by the parties. The overlay subcommittee will meet at least twice during the update planning process to coordinate planning and project review; further meetings will occur as necessary. Meetings of the subcommittee will be open to all Tri-County FACC members.
- G. **Watershed Overlay Projects** – Projects identified in an Watershed Overlay Area identified as valuable and benefiting from cross boundary coordination.

- H. **Common Programs** – Programs eligible for IRWM funding that are identified by the Tri-County FACC as benefiting the entire Funding Area and have participation from at least two Planning Regions.
- I. **Advisory Committee**– The recognized committee of stakeholders advising a planning region’s RWMG and/or governing agencies on key issues related to IRWM planning and grant applications.

2. General Planning Cooperation via Tri-County FACC

All planning regions will meet at least twice per year through the Tri-County FACC. The actual number of meetings will depend on the amount and intensity of planning and coordination efforts of the Planning Regions. The efforts of the Tri-County FACC will be to enhance the quality of planning, identify opportunities for supporting common goals and projects, and to improve the quality and reliability of water in the Funding Area. The planning efforts will support the watershed-based approach through integration and coordination across planning regions in the watershed overlay areas.

3. Mutual Plan Reference and Consistency

Each plan prepared in the funding area will contain references to the entire Funding Area, to the coordination that is occurring among planning regions, and to this MOU. Each planning region will share its description of these matters with other planning regions to promote consistency with the goal of using common language as the IRWM plans are modified. The three RWMGs also will seek to place these common sections in the same location in their plans. Further consistency or cooperative efforts may be added with the agreement of the Parties.

4. Coordination of Submittals and Applications

To facilitate DWR’s review process, all planning regions will coordinate their Region Acceptance Process submittals and IRWM grant applications. To the greatest extent practicable, the planning regions will develop common sections, tables and maps and place them in the same locations in their submittals and applications. The planning regions will preface their submittals and applications with information noting the common material and its location in the documents.

5. Watershed Overlay Areas

Through the Tri-County FACC or the overlay subcommittee, the planning regions will cooperate in identifying Overlay Projects that cross Planning Region boundaries. Overlay Projects that benefit multiple planning regions will be identified and may be jointly funded, administered, or implemented. A watershed overlay subcommittee of the Tri-County FACC will be formed for the Santa Margarita Watershed and the San Mateo Creek Watershed overlay areas as shown in Attachment A. Overlay Projects of importance to the Watershed Overlay Area planning regions would be recommended for coordination and due consideration in those Planning Regions’ project selection processes.

6. Common Programs

The common programs found by the Tri-County FACC to be of high value for all planning regions will be identified and recommended for high priority placement in the planning regions’ ranking of projects for funding. While each planning region will select projects in accordance with its own process, the regions will cooperate on the implementation of common projects programs if these efforts are selected for funding.

7. Advisory Committee Cross Membership

Each planning region with an advisory committee will invite the other advisory committees in the Funding Area to participate as a non-voting member in its committee to promote understanding, communication and coordination.

8. Scope of the Agreement

Nothing contained within this MOU binds the parties beyond the scope or term of this MOU unless specifically documented in subsequent agreements, amendments or contracts. Moreover, this MOU does not require any commitment of funding beyond that which is voluntarily committed by separate board actions, but recognizes in-kind contributions of RWMG agencies and stakeholders. Non-substantive or minor changes to this MOU that have the support of all RWMG agencies may be documented to become part of this MOU.

9. Term of Agreement

The term of this MOU is from its Effective Date shown above to December 31, 2014 unless extended by mutual agreement of the Parties.

10. Modification or Termination

This MOU may be modified or terminated with the concurrence of the RWMG agencies and effective upon execution of the modification or termination by all the RWMG agencies.

11. Withdrawal

Any PARTY may withdraw from the Tri-County FACC after giving a written 60-day notice to the other Parties.

12. Notice

Any notices sent or required to be sent to any party shall be mailed to the following addresses:

SDRWMG Agencies

Ken Weinberg, Director of Water Resources
San Diego County Water Authority
4677 Overland Ave., San Diego CA 92129

Marsi Steirer, Deputy Director of Water Resources and Planning
City of San Diego
600 B Street, Suite 400, San Diego CA 92101

Kathleen Flannery, CAO Project Manager
County of San Diego
1600 Pacific Highway, Room 212, San Diego CA 92101

OCRWMG Agencies

Mary Anne Skorpanich, Director, OC Watersheds
Orange County Public Works
333 W. Santa Ana Blvd., 5th Floor, Santa Ana, CA 92701

Karl Seckel, Assistant General Manager
Municipal Water District of Orange County
18700 Ward Street, Fountain Valley, CA 92708

Tom Rosales, General Manager
South Orange County Wastewater Authority
34156 Del Obispo Street, Dana Point, CA 92629

RCRWMG Agencies

Perry Louck, Director of Planning
Rancho California Water District
42135 Winchester Road, Temecula, CA 92590

Mike Shetler, Senior Management Analyst
County of Riverside
4080 Lemon Street 4th floor, Riverside, CA 92501

Warren D. Williams
Riverside County Flood Control and Water Conservation District
1995 Market St. Riverside, CA 92501

13. Funding Uncertainties

The RWMG agencies cannot be assured of the results of these coordination efforts and applications for funding. Nothing within this MOU should be construed as creating a promise or guarantee of future funding. No liability or obligation shall accrue to the Parties if DWR does not provide the funding. The Parties are committed to planning and coordinating notwithstanding IRWM funding. The form of such coordination may change based on the sources of funding.

14. Indemnification

To the fullest extent permitted by law, each Party shall defend, indemnify and hold harmless the other Parties, their consultants, and each of their directors, officers, agents, and employees from and against all liability, claims, damages, losses, expenses, and other costs including costs of defense and attorneys' fees, arising out of or resulting from or in connection with work performed pursuant to this MOU. Such obligation shall not apply to any loss, damage, or injury, as may be caused by the sole negligence or willful misconduct of a Party, its directors, officers, employees, agents, and consultants.

15. Other Provisions

The following provisions and terms shall apply to this agreement.

- A. This MOU is to be construed in accordance with the laws of the State of California. Any action at law or in equity brought by any of the Parties shall be brought in a court of competent jurisdiction in Riverside, Orange or San Diego Counties, and the parties hereto waive all provisions of law providing for change of venue in such proceedings to any other county.
- B. If any provision of this MOU is held by a court to be invalid, void or unenforceable, the remaining provisions shall be declared severable and shall be given full force and effect to the extent possible.
- C. This MOU is the result of negotiations between the parties hereto and with the advice and assistance of their respective counsels. No provision contained herein shall be construed against any Party because of its participation in preparing this MOU.
- D. Any waiver by a Party of any breach by the other of any one or more of the terms of this MOU shall not be construed to be a waiver of any subsequent or other breach of the same or of any other term hereof. Failure on the part of any of the respective Parties to require

from the others exact, full and complete compliance with any terms of the MOU shall not be construed to change the terms hereof or to prohibit the Party from enforcement hereof.

- E. This MOU may be executed and delivered in any number of counterparts or copies, hereinafter called "Counterpart", by the parties hereto. When each Party has signed and delivered at least one Counterpart to the other parties hereto, each Counterpart shall be deemed an original and, taken together, shall constitute one and the same MOU, which shall be binding and effective as to the Parties hereto.
- F. This MOU is intended by the parties hereto as their final expression with respect to the matters herein, and is a complete and exclusive statement of the terms and conditions thereof. This MOU shall not be changed or modified except by the written consent of all Parties hereto.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the dates shown on the attached counterpart signature pages:

San Diego County agencies

/S/ Approved March 26th 2009
Ken Weinberg, Director of Water Resources
San Diego County Water Authority
4677 Overland Ave., San Diego CA 92129

/S/ Approved March 26th 2009
John L. Snyder, Director
Department of Public Works
County of San Diego
5555 Overland Ave, Bldg.2, Mailstop O332 San Diego, CA 92123

/S/ Approved April 7th 2009
J. M. Barrett
Director of Public Utilities
City of San Diego
600 B Street, Suite 400, San Diego CA 92101

Orange County agencies

/S/ Approved April 28th 2009
Chairman Pat Bates
County of Orange Board of Supervisors
Orange County Flood Control District
333 W. Santa Ana Blvd., 5th Floor
Santa Ana, CA 92701

/S/ Approved April 15th 2009
Wayne Clark, President (Maribeth Goldsby, Secretary)
Municipal Water District of Orange County
18700 Ward Street
Fountain Valley, CA 92708

/S/ Approved April 2nd 2009
Matt Disston, Chairman
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Riverside County agencies

/S/ Approved April 9th 2009
Matt Stone, General Manager
Rancho California Water District
42135 Winchester Road, Temecula, CA 92590

/S/ Approved March 30th 2009
Jeff Stone, Chairman
Supervisor Third District
Riverside County Board of Supervisors
4080 Lemon St.
Riverside, CA 92501

/S/ Approved March 30th 2009
Marion Ashley, Chairman
Supervisor, Fifth District
Riverside County Flood Control & Water Conservation District
1995 Market St
Riverside, CA 92501

Funding Area and Planning Region Boundaries with Watershed Overlay Areas



Attachment B

Allocation of Proposition 84 Funds

Each of the three planning regions has IRWM project and program needs that far exceed the funding allocated to the funding area. Significant local match funding for selected projects is available in each planning region. Funding for planning and timing of implementation may vary among the planning regions. Because of these factors and because not all of the Proposition 84 funding will be made available at the same time, the Tri-County FACC members will cooperate and coordinate on individual funding cycle applications to ensure that the sum of the total grant requests does not exceed the amount identified for the funding region in any given cycle. Total allocations to the parties will be divided according to the schedule below. The allocations are based on a formula that is similar to that used to allocate funding in the Proposition 84 bond language. (Note: Proposition 84 allocates \$91 million to the San Diego Funding Area. DWR has indicated it will spend approximately 5 percent of the funds for program delivery costs. Therefore, the allocations to the three planning regions are indicated in percentages of the total funds that will be available over the life of the program.)

Planning Region	Population	Acres Area	Allocations (in % of \$ totals)		
			\$25 M on Land	\$66 M on Population	Total
Riverside Upper Santa Margarita	253,329	405,233	16.4%	6.4%	9.1%
South Orange County	597,348	168,192	6.8%	15.2%	12.9%
San Diego County	3,092,351	1,901,203	76.9%	78.4%	78%
Total	3,943,028	2,474,628	100%	100%	100%

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment D

Letters of Support for the IRWM Program:

1. Olivenhain Municipal Water District
2. Santa Fe Irrigation District
3. Helix Water District
4. Metropolitan Water District of Southern California
5. Farm Bureau of San Diego County
6. Padre Dam Municipal Water District
7. The Nature Conservancy
8. U.S. Bureau of Reclamation

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General Manager
Kimberly A. Thorner, Esq.
General Counsel
Wesley W. Peltzer, Esq.

April 16, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
lsnow@water.ca.gov

re: Approval of San Diego IRWM planning region

Dear Director Snow:

I am writing on behalf of Olivenhain Municipal Water District (OMWD), a retail water agency located in northern San Diego County that provides potable and recycled water services to 68,000 residents throughout its 48 square mile service area. OMWD has been active in the Integrated Regional Water Management Plan (IRWMP) effort in San Diego County for many years. IRWMP funding is crucial to small agencies such as OMWD. IRWMP funding allows agencies to execute the projects that ultimately benefit the entire region that they serve. OMWD supports the existing San Diego IRWMP planning region, which was originally developed by the San Diego Regional Water Management Group (RWMG) and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.

There are many reasons why the San Diego IRWMP planning region as proposed in the IRWMP Region Acceptance Process made sense in 2007 and continues to make sense in 2009 with important enhancements related to ongoing cooperative efforts with southern Riverside and Orange counties. The region comprises the 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and also within the San Diego Regional Water Quality Control Board's jurisdiction, so that water quality, stormwater and wastewater discharges are regulated by the same policies.

We understand that, for purposes of Proposition 84 IRWMP funding, the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions. The RWMGs for these three regions have developed



1966 Olivenhain Road • Encinitas, CA 92024
Phone (760) 753-6466 • Fax (760) 753-1578 • www.omwd.com



a memorandum of understanding to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWMP funding in the funding area. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; DWR should recognize these efforts through its support for the MOU.

The San Diego planning region represents an excellent mechanism for IRWMP planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

We strongly recommend that DWR approve the San Diego IRWMP planning region as part of the IRWMP Region Acceptance Process.

Sincerely,



Kimberly A. Thorner
General Manager

cc:

Tracie Billington, DWR Division of Planning and Local Assistance
tbillington@water.ca.gov

Mark Stadler, San Diego County Water Authority
mstadler@sdewa.org

Santa Fe Irrigation District



April 20, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
lsnow@water.ca.gov

Subject: Approval of San Diego IRWM planning region

Dear Director Snow:

I am writing on behalf of the Santa Fe Irrigation District, one of the 24 member agencies of the San Diego County Water Authority. The Santa Fe Irrigation District (District) is a local water agency that serves the City of Solana Beach and the communities of Rancho Santa Fe and Fairbanks Ranch in San Diego County. The District supports the existing San Diego IRWM planning region, which was originally developed by the San Diego RWMG and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.

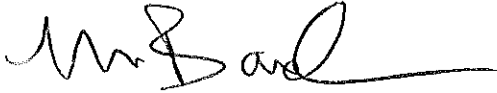
There are many reasons why the San Diego IRWM planning region, as proposed in the IRWM Region Acceptance Process, made sense in 2007 and continues to make sense in 2009 with important enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties. The region comprises the 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Board's jurisdiction, so that water quality, storm water and wastewater discharges are regulated by the same policies.

We understand that, for purposes of Proposition 84 IRWM funding, the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions. The RWMGs for these three regions have developed a memorandum of understanding to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWM funding in the funding area. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; DWR should appreciate it and support it.

The San Diego planning region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

We strongly recommend that DWR approve the San Diego IRWM planning region as part of the IRWM Region Acceptance Process.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Bardin", with a long horizontal flourish extending to the right.

Michael J. Bardin
General Manager

cc:

Tracie Billington, DWR Division of Planning and Local Assistance
tbillington@water.ca.gov

Mark Stadler, San Diego County Water Authority
mstadler@sdewa.org



Helix Water District

Setting standards of excellence in public service

7811 University Avenue
La Mesa, CA 91941-4927

(619) 466-0585
FAX (619) 466-1823
www.hwd.com

April 21, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
lsnow@water.ca.gov

Re: Approval of San Diego IRWM Planning Region

Dear Director Snow:

I am writing on behalf of Helix Water District (Helix) an active participant in the San Diego IRWMP Regional Advisory Committee. Helix supports the existing San Diego IRWM planning region, which was originally developed by the San Diego RWMG and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.

There are many reasons why the San Diego IRWM planning region, as proposed in the IRWM Region Acceptance Process, made sense in 2007 and continues to make sense in 2009 with important enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties. The region comprises the 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Board's jurisdiction, so that water quality, stormwater and wastewater discharges are regulated by the same policies.

We understand that, for purposes of Proposition 84 IRWM funding, the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions. The RWMGs for these three regions have developed a Memorandum of Understanding (MOU) to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWM funding in the funding area. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; DWR should appreciate it and support it.

The San Diego planning region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater, and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

**Elected Board
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Vice President
John B. Linden
Kathleen Coates Hedberg
Charles W. Muse

Staff:
Mark S. Weston
General Manager

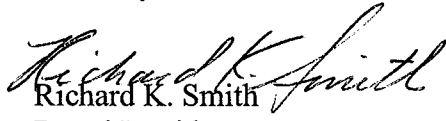
Donna Bartlett-May
Board Secretary

Legal Counsel:
Scott C. Smith



We strongly recommend that DWR approve the San Diego IRWM planning region as part of the IRWM Region Acceptance Process.

Sincerely,


Richard K. Smith
Board President

c: Tracie Billington, DWR Division of Planning and Local Assistance
tbillington@water.ca.gov

Mark Stadler, San Diego County Water Authority
mstadler@sdewa.org

Mark Weston, Helix Water District
mark.weston@helixwater.org





MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Executive Office

April 21, 2009

Mr. Lester A. Snow
Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Dear Mr. Snow:

Support of San Diego IRWM planning region

I am writing on behalf of The Metropolitan Water District of Southern California (Metropolitan) in support of the existing San Diego IRWM planning region, which was originally developed by the San Diego RWMG and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.

Metropolitan believes that the collaborative process lead by San Diego County Water Authority, County of San Diego, and the City of San Diego together with various entities in the Regional Advisory Committee has resulted in a strategic planning approach to the water resource management plan in San Diego County. The San Diego IRWM planning region enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

We recommend that DWR approve the San Diego IRWM planning region as part of the IRWM Region Acceptance Process.

Very truly yours,

Stephen N. Arakawa
Manager, Water Resource Management Group

GLC:tt

Mr. Lester Snow

Page 2

April 21, 2009

cc: Ms. Tracie Billington
Senior Engineer
Division of Planning and Local Assistance
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
tbillington@water.ca.gov

Mr. Mark Stadler
Principal Water Resources Specialist
San Diego County Water Authority
4677 Overland Avenue
San Diego, CA 92123-1233
mstadler@sdewa.org



FARM BUREAU SAN DIEGO COUNTY

1670 East Valley Parkway, Escondido CA 92027-2409

Phone: (760) 745-3023 • Fax: (760) 489-6348

E-mail: sdcfb@sdfarmbureau.org • Website: www.sdfarmbureau.org

April 22, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

re: San Diego Integrated Regional Water Management Planning Region

Dear Director Snow:

On behalf of the members of the San Diego County Farm Bureau I would like to express our organization's support for the existing San Diego Integrated Regional Water Management (IRWM) planning region, developed by the San Diego Regional Water Management Group (Group). The planning region was approved by the Group in 2007 following a public review and comment process.

The San Diego IRWM planning region, as proposed in the IRWM Region Acceptance Process, was appropriate in 2007 and remains viable in 2009. Enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties have been included. The region encompasses the 11 hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Water Quality Control Board's jurisdiction, so that water quality, stormwater and wastewater discharges are regulated by the same policies.

It has been brought to our attention that the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions for Proposition 84 IRWM funding. The Groups for these three regions have developed a memorandum of understanding to plan cooperatively in shared watershed areas and to facilitate the allocation of Proposition 84 IRWM funding. The Tri-County MOU effort will ensure that projects do not get caught in jurisdictional limbo. This is of particular importance to the farm community because the Conditional Waiver for Discharges from Agricultural and Nursery Operations adopted by the San Diego Regional Water Quality Control Board is inclusive of southern Riverside and Orange counties.

The San Diego planning region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

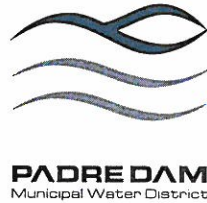
We ask that the Department of Water Resources approve the San Diego Integrated Regional Water Management planning region as part of the Integrated Regional Water Management Region Acceptance Process.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Larson", written in a cursive style.

Eric Larson
Executive Director

cc: Tracie Billington, DWR Division of Planning and Local Assistance
Mark Stadler, San Diego County Water Authority



April 23, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
lsnow@water.ca.gov

RE: APPROVAL OF SAN DIEGO IRWM PLANNING REGION

Dear Director Snow:

I am writing on behalf of Padre Dam Municipal Water District, a state agency formed under the Municipal Water District Law of 1911. Padre Dam Municipal Water District supports the existing San Diego IRWM planning region, which was originally developed by the San Diego RWMG and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.

There are many reasons why the San Diego IRWM planning region, as proposed in the IRWM Region Acceptance Process, made sense in 2007 and continues to make sense in 2009 with important enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties. The region comprises of the 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Board's jurisdiction, so that water quality, stormwater, and wastewater discharges are regulated by the same policies.

We understand that, for purposes of Proposition 84 IRWM funding, the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions. The RWMGs for these three regions have developed a memorandum of understanding to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWM funding in the funding area. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; DWR should appreciate it and support it.

The San Diego planning region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater, and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

BOARD OF DIRECTORS
James Maletic
Augie Scalzitti
Andrew J. Menshek
August A. Cairns MPA, SDA
Dan McMillan MBA, MS

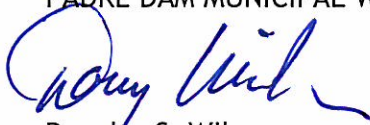
9300 Fanita Parkway
Santee, CA 92071
T 619 448 3111
F 619 449 9469
www.padredam.org
PO Box 719003
Santee, CA 92072-9003

Lester A. Snow, Director
Department of Water Resources
April 23, 2009
Page 2

We strongly recommend that DWR approve the San Diego IRWM planning region as part of the IRWM Region Acceptance Process.

Sincerely,

PADRE DAM MUNICIPAL WATER DISTRICT



Douglas S. Wilson
General Manager

DSW:NB:cc

cc: Tracie Billington, DWR Division of Planning and Local Assistance
tbillington@water.ca.gov

Mark Stadler, San Diego County Water Authority
mstadler@sdcwa.org

#31256v1

April 24, 2009

Lester A. Snow, Director
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001
lsnow@water.ca.gov

re: Approval of San Diego IRWM planning region

Dear Director Snow:

I am writing on behalf of the San Diego project of The Nature Conservancy whose mission is to preserve the plants and animals and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive. The San Diego Project of The Nature Conservancy supports the existing San Diego IRWM planning region, which was originally developed by the San Diego RWMG and approved by the RWMG's policy-makers in 2007 after a long process that involved extensive public review and comment.


There are many reasons why the San Diego IRWM planning region, as proposed in the IRWM Region Acceptance Process, made sense in 2007 and continues to make sense in 2009 with important enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties. The region comprises the 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Board's jurisdiction, so that water quality, stormwater and wastewater discharges are regulated by the same policies.

We understand that, for purposes of Proposition 84 IRWM funding, the San Diego planning region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange planning regions. The RWMGs for these three regions have developed a memorandum of understanding to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWM funding in the funding area. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; DWR should appreciate it and support it.

The San Diego planning region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an appropriate scale that enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

We strongly recommend that DWR approve the San Diego IRWM planning region as part of the IRWM Region Acceptance Process.

Sincerely,

A handwritten signature in black ink, appearing to read "Kathy Viatella", with a long horizontal flourish extending to the right.

Kathy Viatella
Senior Project Director

cc:

Tracie Billington, DWR Division of Planning and Local Assistance
tbillington@water.ca.gov

Mark Stadler, San Diego County Water Authority
mstadler@sdewa.org



United States Department of the Interior

BUREAU OF RECLAMATION

Southern California Area Office
27708 Jefferson Ave., Suite 202
Temecula, CA 92590-2628



IN REPLY REFER TO:

SCAO-7000
ADM-13.00

APR 27 2009

Mr. Lester A. Snow
Director
California Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Subject: Letter of Support for Approval of the San Diego Integrated Regional Water
Management (IRWM) Planning Region

Dear Mr. Snow:

Reclamation supports the existing San Diego IRWM Planning Region, which was developed by the San Diego Regional Water Management Group (RWMG) and approved in 2007 by the RWMG's policy-makers after a long process that involved extensive public review and comment. Important enhancements related to ongoing cooperative efforts with South Riverside and South Orange counties continue, and the region comprises 11 contiguous hydrologic units within San Diego County that discharge to coastal waters. These hydrologic units have similar habitat and restoration needs, and share an imported water conveyance system. They are within San Diego County, which facilitates land use and environmental planning, and within the San Diego Regional Board's jurisdiction, so water quality, stormwater and wastewater discharges are also regulated by the same policies.

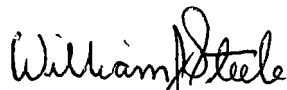
I understand for purposes of Proposition 84 IRWM funding, that the San Diego Planning Region is sharing the San Diego Funding Area with the Upper Santa Margarita and South Orange Planning Regions. The RWMGs for these three regions have developed a Memorandum of Understanding (MOU) to plan cooperatively in shared watershed areas and facilitate the allocation of Proposition 84 IRWM funding. The Tri-County MOU is an impressive effort to ensure that nothing falls between the planning region boundaries; and the Department of Water Resources should appreciate and support this joint effort.

The San Diego Planning Region represents an excellent mechanism for IRWM planning and implementation in the San Diego region and across regional boundaries. It was developed on an

appropriate scale that enables water supply, wastewater and watershed organizations and other stakeholders to plan on an integrated, coordinated basis building on existing authorities.

If you have any questions in regard to this matter then please feel free to contact me, at 951-695-5310.

Sincerely,












William J. Steele
Area Manager
















San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment E

San Diego Planning Region Alternatives Matrix

Alternatives	#1 Status Quo 1. San Diego IRWMP 2. Upper Santa Margarita IRWMP 3. South Orange County IRWMP		#2 Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita watershed) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita watershed) 3. South Orange County IRWMP		#2A Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita + San Mateo watersheds) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita + San Mateo watersheds) 3. South Orange County IRWMP (plus entire San Mateo watershed)		#3 Full Santa Margarita Watershed as Separate Region 1. San Diego IRWMP (minus lower Santa Margarita watershed) 2. Full Santa Margarita Watershed IRWMP 3. South Orange County IRWMP		#4 Combined San Diego/Santa Margarita Region 1. San Diego/Santa Margarita IRWMP (all San Diego and Riverside County lands) 2. South Orange County IRWMP	
Plan Boundaries <i>See figures following matrix</i>	1. West-draining watersheds in San Diego County 2. Upper Santa Margarita watershed in Riverside County (assumes previously unplanned Upper San Mateo area added to Plan boundaries) 3. San Juan HU in Orange County		1. West-draining watersheds in San Diego County, plus adjacency planning across Santa Margarita watershed 2. Upper Santa Margarita watershed in Riverside County, plus adjacency planning across Santa Margarita watershed 3. San Juan HU in Orange County		1. West-draining watersheds in San Diego County, plus adjacency planning across Santa Margarita + San Mateo watersheds 2. Upper Santa Margarita watershed in Riverside County, plus adjacency planning across Santa Margarita + San Mateo watersheds 3. San Juan HU in Orange County, plus adjacency planning across San Mateo watershed		1. West-draining watersheds in San Diego County, except lower San Mateo watershed 2. All of Santa Margarita watershed in San Diego and Riverside Counties 3. San Juan HU in Orange County		1. West-draining watersheds in San Diego County, plus upper Santa Margarita watershed in Riverside County 2. San Juan HU in Orange County	
Agencies	1. County of San Diego, City of San Diego, SDCWA, member agencies, and stakeholders 2. County of Riverside, RCFCWCD, RCWD, and stakeholders 3. County of Orange, IRWM Group agencies, and stakeholders		1. County of San Diego, City of San Diego, SDCWA, member agencies, San Margarita IRWM, and stakeholders 2. County of Riverside, RCFCWCD, RCWD, San Diego IRWM, and stakeholders 3. County of Orange, IRWM Group agencies, and stakeholders		1. County of San Diego, City of San Diego, SDCWA, member agencies, San Margarita IRWM, South Orange County IRWM, and stakeholders 2. County of Riverside, RCFCWCD, RCWD, San Diego IRWM, South Orange County IRWM, and stakeholders 3. County of Orange, IRWM Group agencies, San Margarita IRWM, San Diego IRWM, and stakeholders		1. County of San Diego, City of San Diego, SDCWA, member agencies, and stakeholders 2. County of Riverside, RCFCWCD, RCWD, County of San Diego, SDCWA, Fallbrook PUD, and stakeholders 3. County of Orange, IRWM Group agencies, and stakeholders		1. County of San Diego, City of San Diego, SDCWA, member agencies, County of Riverside, RCFCWCD, RCWD, and stakeholders 2. County of Orange, IRWM Group agencies, and stakeholders	
Regional Preference	Acceptable		Acceptable		Acceptable		Unacceptable, due to inequity in how Santa Margarita watershed is treated as opposed to other 10 HUs in San Diego region		Acceptable, though revisions to governance structure and MOU would require substantially more time	
Regional Coordination	Regional coordination via Tri-County FACC		Regional coordination via Tri-County FACC Highly coordinated through IRWM plans and inter-regional project selection		Regional coordination via Tri-County FACC Highly coordinated through IRWM plans and inter-regional project selection		Regional coordination via Tri-County FACC Requires duplicate attendance in IRWM stakeholder processes (SDCWA, County of San Diego)		Regional coordination via Tri-County FACC May be difficult securing attendance at distant RAC meetings (County of Riverside, RCFCWCD, RCWD)	

Alternatives	#1 Status Quo 1. San Diego IRWMP 2. Upper Santa Margarita IRWMP 3. South Orange County IRWMP		#2 Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita watershed) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita watershed) 3. South Orange County IRWMP		#2A Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita + San Mateo watersheds) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita + San Mateo watersheds) 3. South Orange County IRWMP (plus entire San Mateo watershed)		#3 Full Santa Margarita Watershed as Separate Region 1. San Diego IRWMP (minus lower Santa Margarita watershed) 2. Full Santa Margarita Watershed IRWMP 3. South Orange County IRWMP		#4 Combined San Diego/Santa Margarita Region 1. San Diego/Santa Margarita IRWMP (all San Diego and Riverside County lands) 2. South Orange County IRWMP	
Water Supply	1. Lines up with SDCWA and member agency boundaries in San Diego County 2. Addresses RCWD, EVMWD, EMWD, and WMWD in Riverside County 3. Addresses MWDOC and member agencies in Orange County		1. Lines up with SDCWA and member agency boundaries in San Diego County, plus considers adjoining watershed agencies 2. Addresses RCWD, EVMWD, EMWD, and WMWD in Riverside County, plus considers adjoining watershed agencies 3. Addresses MWDOC and member agencies in Orange County		1. Lines up with SDCWA and member agency boundaries in San Diego County, plus considers adjoining watershed agencies 2. Addresses RCWD, EVMWD, EMWD, and WMWD in Riverside County, plus considers adjoining watershed agencies 3. Addresses MWDOC and member agencies in Orange County, plus considers adjoining watershed agencies		1. Removes a portion of SDCWA and member agency (Fallbrook PUD) from San Diego plan 2. Multiple water agencies with different sources in 1 plan: a portion of SDCWA and Fallbrook, RCWD, EVMWD, EMWD, and WMWD Primarily imported water supply for SDCWA vs local/ groundwater sources in upper Santa Margarita Water supply storage for lower watershed would be in separate plan 3. Addresses MWDOC and member agencies in Orange County		1. Multiple water agencies with different sources in 1 plan: SDCWA and member agencies, RCWD, EVMWD, EMWD, and WMWD (though retains SDCWA intact) Primarily imported water supply for SDCWA vs local/ groundwater sources in upper Santa Margarita 2. Addresses MWDOC and member agencies in Orange County	
Land Use	1. Lines up with land use agencies – San Diego County, cities, and SANDAG 2. Lines up with land use agencies – Riverside County, cities, and SCAG/WRCoG 3. Lines up with land use agencies – Orange County, cities, and SCAG/OCCoG		1. Lines up with land use agencies – San Diego County, cities, and SANDAG – plus considers adjoining watershed agencies 2. Lines up with land use agencies – Riverside County, cities, and SCAG/WRCoG – plus considers adjoining watershed agencies 3. Lines up with land use agencies – Orange County, cities, and SCAG/OCCoG		1. Lines up with land use agencies – San Diego County, cities, and SANDAG – plus considers adjoining watershed agencies 2. Lines up with land use agencies – Riverside County, cities, and SCAG/WRCoG – plus considers adjoining watershed agencies 3. Lines up with land use agencies – Orange County, cities, and SCAG/OCCoG – plus considers adjoining watershed agencies		1. Removes a portion of San Diego land use agencies – San Diego County, City of Fallbrook, and SANDAG 2. Different land use agencies in 1 plan: a portion of San Diego County/SANDAG and Riverside County/SCAG/WRCoG Difficulty merging land use data from separate planning entities 3. Lines up with land use agencies – Orange County, cities, and SCAG/OCCoG		1. Different land use agencies in 1 plan: San Diego County/SANDAG and Riverside County/SCAG/WRCoG Difficulty merging land use data from separate planning entities 2. Lines up with land use agencies – Orange County, cities, and SCAG/OCCoG	
Flood Control	1. Addresses multiple flood control agencies in San Diego County 2. Addresses RCFCWCD in Riverside County 3. Addresses OCFCD in Orange County		1. Addresses flood control agencies in San Diego County, plus considers adjoining watershed agencies 2. Addresses RCFCWCD in Riverside County, plus considers adjoining watershed agencies 3. Addresses OCFCD in Orange County		1. Addresses flood control agencies in San Diego County, plus considers adjoining watershed agencies 2. Addresses RCFCWCD in Riverside County, plus considers adjoining watershed agencies 3. Addresses OCFCD in Orange County, plus considers adjoining watershed agencies		1. Addresses multiple flood control agencies in San Diego County 2. Many different flood control agencies in 1 plan: multiple flood agencies in San Diego County and RCFCWCD in Riverside County 3. Addresses OCFCD in Orange County		1. Many different flood control agencies in 1 plan: multiple flood agencies in San Diego County and RCFCWCD in Riverside County 2. Addresses OCFCD in Orange County	

Key to Symbols:


















= Positive for the Funding Area



= Negative for the Funding Area



= Neutral OR positive/negative for different groups

Alternatives	#1 Status Quo 1. San Diego IRWMP 2. Upper Santa Margarita IRWMP 3. South Orange County IRWMP		#2 Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita watershed) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita watershed) 3. South Orange County IRWMP		#2A Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita + San Mateo watersheds) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita + San Mateo watersheds) 3. South Orange County IRWMP (plus entire San Mateo watershed)		#3 Full Santa Margarita Watershed as Separate Region 1. San Diego IRWMP (minus lower Santa Margarita watershed) 2. Full Santa Margarita Watershed IRWMP 3. South Orange County IRWMP		#4 Combined San Diego/Santa Margarita Region 1. San Diego/Santa Margarita IRWMP (all San Diego and Riverside County lands) 2. South Orange County IRWMP	
Water Quality	All within RWQCB Region 9 1. Lines up with San Diego County NPDES/ storm water program (Order R9-2007-0001) 2. Lines up with Riverside County NPDES/ storm water program (Order R9-2004-001) 3. Lines up with Orange County NPDES/storm water program (Order R9-2008-0001)		All within RWQCB Region 9 Watershed planning approach supports water quality improvement 1. Lines up with San Diego County NPDES/ storm water program (Order R9-2007-0001), plus considers adjoining watershed programs 2. Lines up with Riverside County NPDES/ storm water program (Order R9-2004-001), plus considers adjoining watershed programs 3. Lines up with Orange County NPDES/storm water program (Order R9-2008-0001)		All within RWQCB Region 9 Watershed planning approach supports water quality improvement 1. Lines up with San Diego County NPDES/ storm water program (Order R9-2007-0001), plus considers adjoining watershed programs 2. Lines up with Riverside County NPDES/ storm water program (Order R9-2004-001), plus considers adjoining watershed programs 3. Lines up with Orange County NPDES/storm water program (Order R9-2008-0001), plus considers adjoining watershed programs		All within RWQCB Region 9 Watershed planning approach supports water quality improvement 1. Removes a portion of San Diego County NPDES/ storm water program (Order R9-2007-0001) 2. Two different NPDES/storm water programs in 1 plan: a portion of San Diego County (Order R9-2007-0001) and Riverside County (Order R9-2004-001) Water quality concerns for potable supply are different – imported vs groundwater supplies 3. Lines up with Orange County NPDES/storm water program (Order R9-2008-0001)		All within RWQCB Region 9 Watershed planning approach supports water quality improvement 1. Two different NPDES/storm water programs in 1 plan: San Diego County (Order R9-2007-0001) and Riverside County (Order R9-2004-001) Water quality concerns for potable supply are different – imported vs groundwater supplies 2. Lines up with Orange County NPDES/storm water program (Order R9-2008-0001)	
Waste Water	1. Addresses multiple waste water agencies in San Diego County 2. Addresses waste water agencies in Riverside County 3. Addresses SOCWA and member agencies in Orange County		1. Addresses waste water agencies in San Diego County, plus considers adjoining watershed agencies 2. Addresses waste water agencies in Riverside County, plus considers adjoining watershed agencies 3. Addresses SOCWA and member agencies in Orange County		1. Addresses waste water agencies in San Diego County, plus considers adjoining watershed agencies 2. Addresses waste water agencies in Riverside County, plus considers adjoining watershed agencies 3. Addresses SOCWA and member agencies in Orange County, plus considers adjoining watershed agencies		1. Addresses multiple waste water agencies in San Diego County 2. Different wastewater reuse and discharge programs in 1 plan: Riverside County excess exported to Santa Ana (SAWPA IRWMP) region vs San Diego County excess exported to ocean outfall 3. Addresses SOCWA and member agencies in Orange County		1. Different wastewater reuse and discharge programs in 1 plan: Riverside County excess exported to Santa Ana (SAWPA IRWMP) region vs San Diego County excess exported to ocean outfall 2. Addresses SOCWA and member agencies in Orange County	
Natural Communities	1. Addresses San Diego County MSCP 2. Lines up with Western Riverside MSHCP boundaries 3. None		1. Addresses San Diego County MSCP, plus considers adjoining watershed programs 2. Lines up with Western Riverside MSHCP boundaries, plus considers adjoining watershed programs 3. None		1. Addresses San Diego County MSCP, plus considers adjoining watershed programs 2. Lines up with Western Riverside MSHCP boundaries, plus considers adjoining watershed programs 3. None		1. Addresses San Diego County MSCP 2. Two different MSCP/habitat conservation programs in 1 plan: a portion of San Diego County MSCP and Western Riverside MSHCP 3. None		1. Two different MSCP/habitat conservation programs in 1 plan: San Diego County MSCP and Western Riverside MSHCP 2. None	

Key to Symbols:




























= Positive for the Funding Area



= Negative for the Funding Area



= Neutral OR positive/negative for different groups

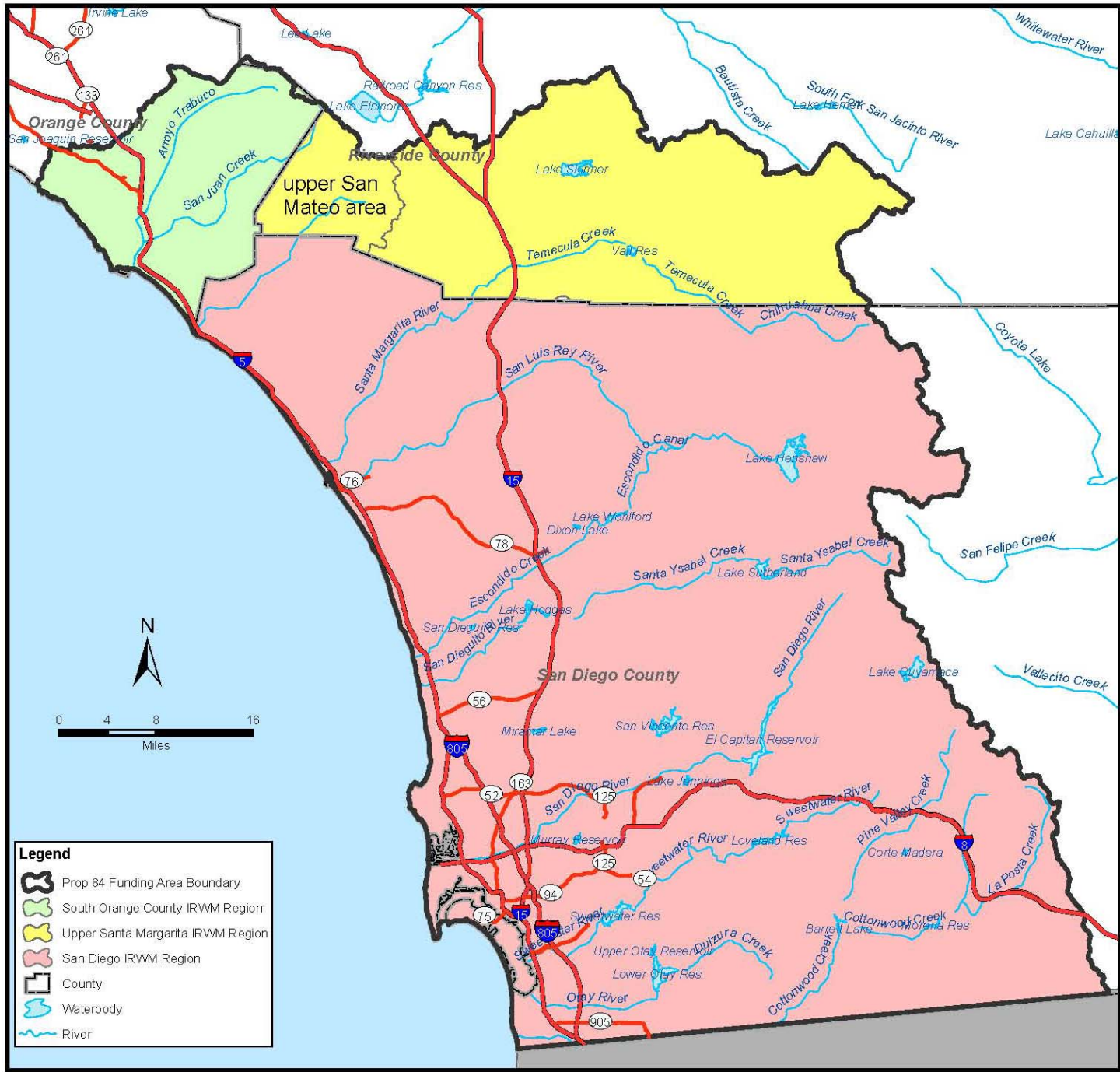
Alternatives	#1 Status Quo 1. San Diego IRWMP 2. Upper Santa Margarita IRWMP 3. South Orange County IRWMP		#2 Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita watershed) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita watershed) 3. South Orange County IRWMP		#2A Status Quo Plus Adjacency Planning 1. San Diego IRWMP (plus upper Santa Margarita + San Mateo watersheds) 2. Santa Margarita Watershed IRWMP (plus lower Santa Margarita + San Mateo watersheds) 3. South Orange County IRWMP (plus entire San Mateo watershed)		#3 Full Santa Margarita Watershed as Separate Region 1. San Diego IRWMP (minus lower Santa Margarita watershed) 2. Full Santa Margarita Watershed IRWMP 3. South Orange County IRWMP		#4 Combined San Diego/Santa Margarita Region 1. San Diego/Santa Margarita IRWMP (all San Diego and Riverside County lands) 2. South Orange County IRWMP	
Governance Structure	1-3. – No change		1-3. – No change		1-3. – No change		1. No change 2. Create new governance structure that includes agencies/stakeholders from full watershed 3. No change		1. Create new governance structure that includes agencies/stakeholders from both regions 2. No change	
Approval Process	1-3. -- None		1-2. Agreement between regional partners for ongoing coordination and planning 3. None		1-3. -- Agreement between regional partners for ongoing coordination and planning		1. None 2. Adopt MOU to reflect new governance structure that includes all agencies/stakeholders 3. None		1. Adopt MOU to reflect new governance structure that includes all agencies/stakeholders 2. None	
Schedule	1-3. – No change		1-3. – 2-4 months to develop new plan text addressing adjoining watershed		1-3. – 2-4 months to develop new plan text addressing adjoining watersheds		1. No change 2. 9-12 months to revise governance structure and adopt new MOU 3. No change		1. 9-12 months to obtain approval from RAC, revise governance structure, and adopt new MOU 2. No change	
Schedule Feasibility	1-3. -- Can define region within DWR timeframe		1-3. -- Can define region within DWR timeframe		1-3. -- Can define region within DWR timeframe		1. Can define region within DWR timeframe 2. Cannot meet DWR timeframe due to changes in governance structure and associated approvals 3. Can define region within DWR timeframe		1. Cannot meet DWR timeframe due to changes in governance structure and associated approvals 2. Can define region within DWR timeframe	
Stakeholder Support	1-3. -- Support for regional definition		1-3. -- Support for regional definition		1-3. -- Support for regional definition		1-2. Opposed to separating lower Santa Margarita watershed from San Diego planning region 3. Support for regional definition		1. Regional definition would be cumbersome but acceptable 2. Support for regional definition	

Agency Acronyms

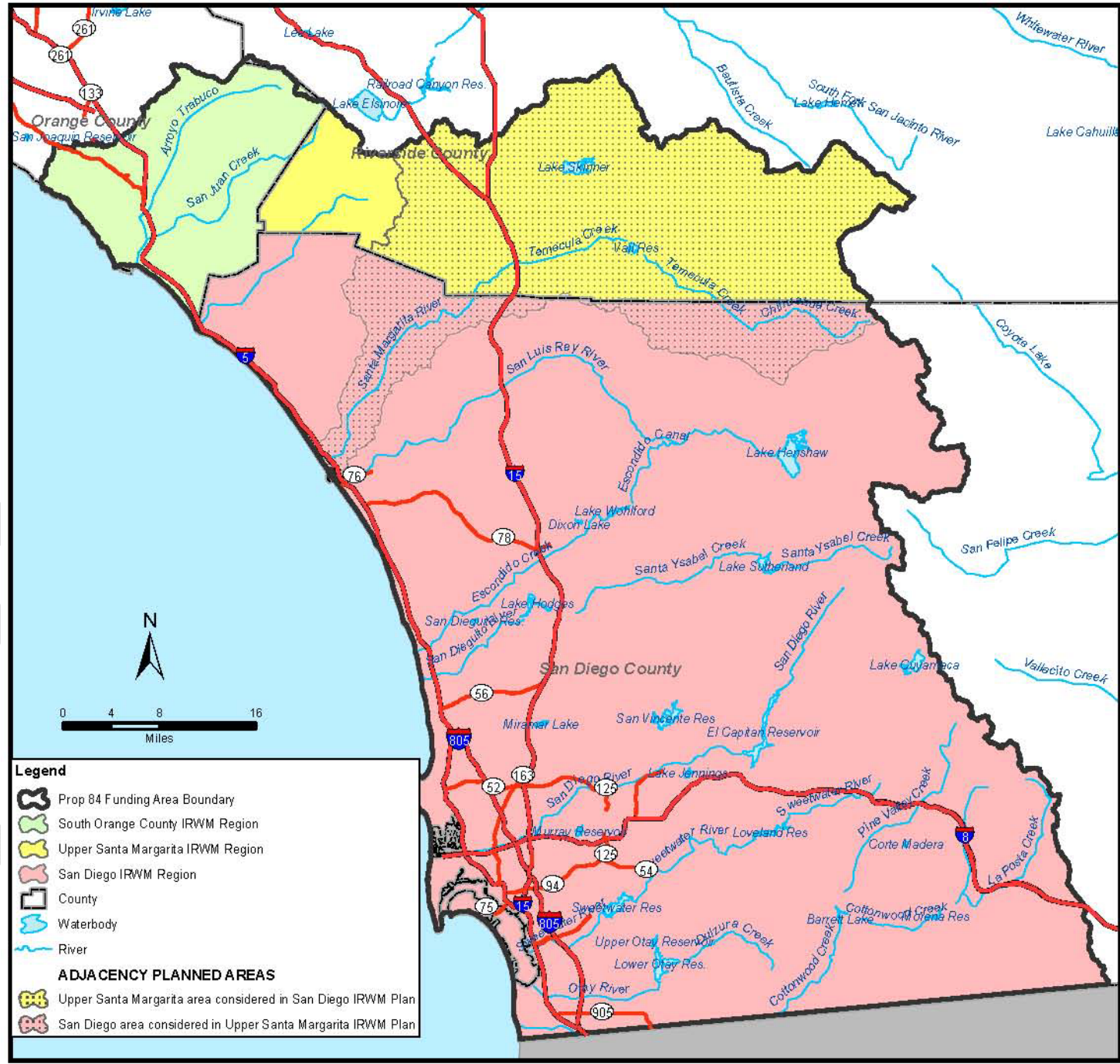
SDCWA	San Diego County Water Authority	RCFCWCD	Riverside County Flood Control and Water Conservation District	SDCFCD	San Diego County Flood Control District
RCWD	Ranch California Water District	EVMWD	Elsinore Valley Municipal Water District	SANDAG	San Diego Association of Governments
EMWD	Eastern Municipal Water District	WMWD	Western Municipal Water District	SCAG	Southern California Association of Governments
MWDOC	Municipal Water District of Orange County	SOCWA	Southern Orange County Wastewater Authority	WRCoG	Western Riverside Council of Governments
OCFCD	Orange County Flood Control District	OCCoG	Orange County Council of Governments	RAC	San Diego IRWMP Regional Advisory Committee

Notes:
1. This matrix is not intended to be a scoring device. The various criteria carry different weights and cannot be simple added/subtracted to achieve a ‘best’ choice.
2. Under Alternatives 1 and 2, 2009 IRWM Plan revisions will result in more coordinated regional planning while retaining existing/similar plan boundaries.

Alternative #1 Status Quo



Alternative #2 Status Quo Plus Adjacency Planning



Key to Symbols:



= Positive for the Funding Area

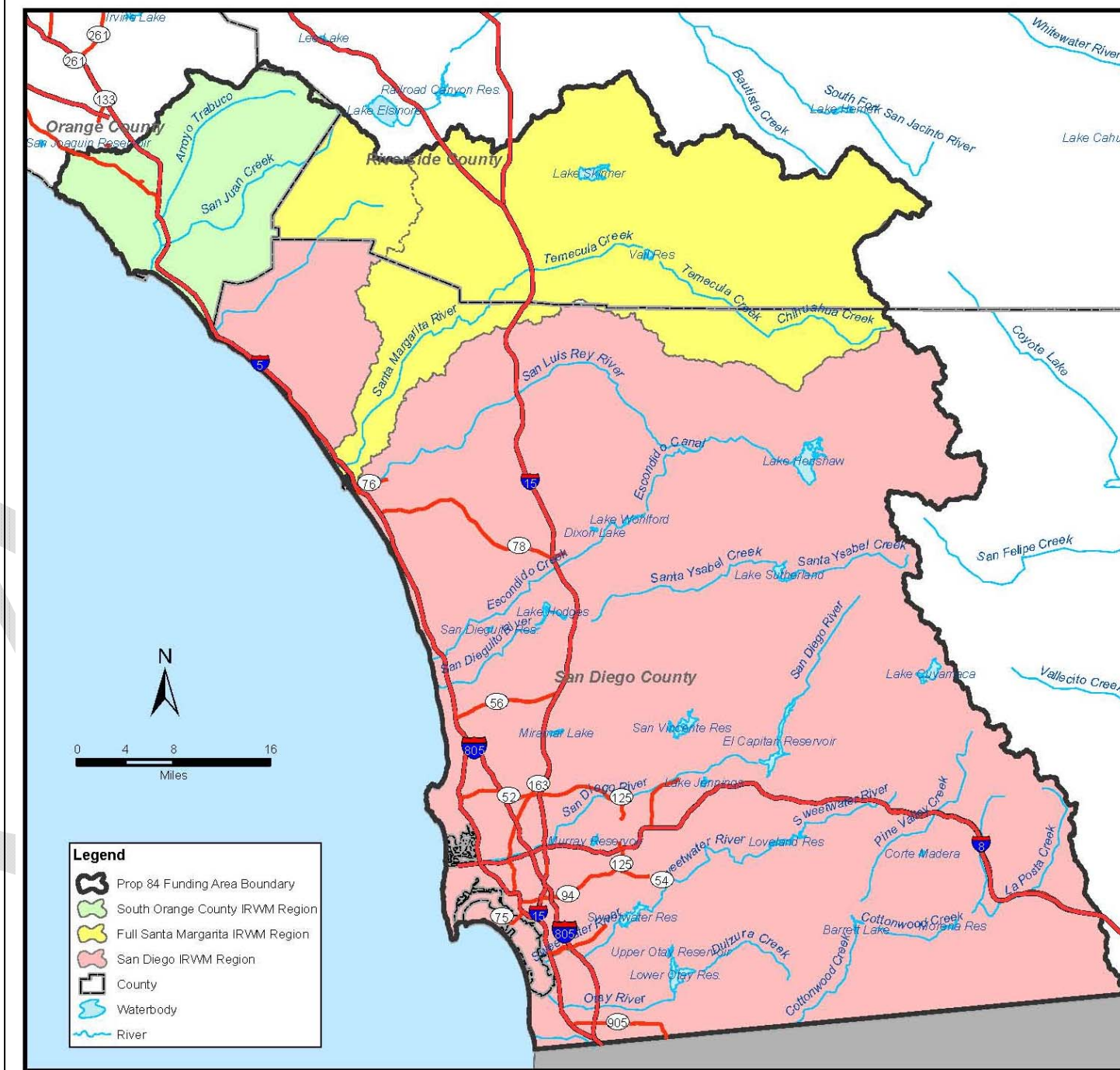


= Negative for the Funding Area

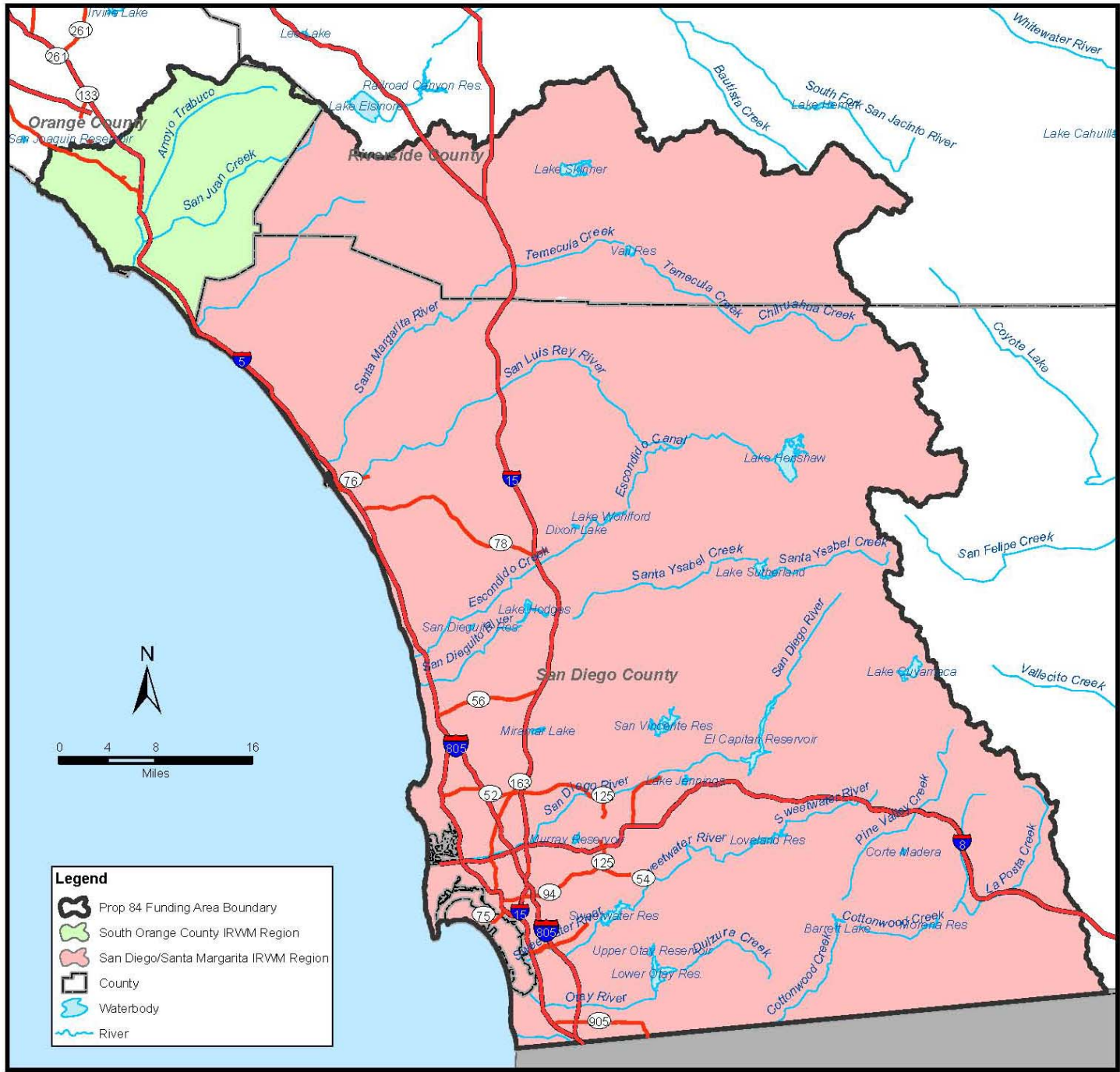


= Neutral OR positive/negative for different groups

Alternative #3 Full Santa Margarita Watershed as Separate Region



Alternative #4 Combined San Diego/Santa Margarita Region



Key to Symbols:



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= Negative for the Funding Area



= Neutral OR positive/negative for different groups

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment F

Water Management Strategies Employed by San Diego IRWM Projects

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT							
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement		
22nd District Agricultural Association/San Dieguito Creek Sewer Force Main Replacement Project												•												•											2	
51st St. Headwater Canyon Restoration Project								•				•						•					•	•	•	•	•					•	•			10
Acquiring Willow Glen Farm	•		•					•				•										•	•	•	•	•	•					•				11
Bottle Peak property acquisition																						•		•	•	•						•				5
Bridges Unit 7 property acquisition																						•		•	•	•						•				5
California Friendly Makeover							•					•						•	•					•	•							•				7
California Friendly Replacement Incentive							•					•					•	•	•					•								•				7
Campo Creek Erosion, Habitat and Groundwater Recharge Improvement.			•					•	•			•	•									•	•	•	•	•	•					•	•	•		13
Campo Creek Watershed Groundwater Management Plan		•	•					•	•	•		•	•	•				•	•			•	•					•	•			•	•	•		17
Capture and Reuse Storm Water Runoff from Visitor Parking Lot project			•						•		•							•	•			•				•		•				•	•	•		11
Carlsbad Desalination Project Local Conveyance			•	•	•			•															•			•	•					•			•	9
Central San Diego Formation Groundwater Desalination Demonstration Project			•			•				•																•						•	•	•		7
Chollas Creek Watershed Opportunities Assessment									•		•						•	•			•	•	•	•	•	•	•					•	•	•		13

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Cielo Azul property acquisition																					•		•	•	•						•				5
City of San Diego Green Lot Porous paving and Infiltration, Phase 2								•	•			•					•	•	•		•	•	•	•	•							•	•	•	14
City of San Diego Green Mall Porous Paving and Infiltration, Phase 1								•	•			•					•	•	•		•	•	•	•	•							•	•	•	14
City of San Diego Green Mall Porous Paving and Infiltration, Phase 2								•	•			•					•	•	•		•	•	•	•	•							•	•	•	14
City of San Diego Green Street Porous Paving and Infiltration, Phase 1								•	•			•					•	•	•		•	•	•	•	•							•	•	•	14
City of San Diego Green Street Porous Paving and Infiltration, Phase 2								•	•			•					•	•	•		•	•	•	•	•							•	•	•	14
City of San Diego Municipal Rooftop Rain Harvesting, Phase 1								•	•			•					•	•	•		•	•	•	•	•	•	•					•	•	•	15
City of San Diego Municipal Rooftop Rain Harvesting, Phase 2								•	•			•					•	•	•		•	•	•	•	•	•	•					•	•	•	15
City of San Diego Parklands Recycled Water Retrofit Program and Distribution System				•				•			•	•		•				•										•				•			8
City of San Diego Recycled Water Infill Projects				•				•			•	•		•															•			•			7
City of San Diego Reservoir Sediment Removal and Storage Recovery Project									•						•	•					•				•			•				•	•		8
City of San Diego Water Department Cornerstone Lands Management and Source Water Protection	•							•	•			•	•				•	•			•	•	•	•	•	•	•					•		•	15

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
City of San Diego Watershed-based Street Sweeping Program, Phase 1							•				•							•			•	•	•	•	•						•	•	•	11	
City of San Diego Watershed-based Street Sweeping Program, Phase 2							•				•							•			•	•	•	•	•						•	•	•	11	
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority A											•							•							•									3	
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority B											•							•							•									3	
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority C											•							•							•									3	
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority D											•							•							•									3	
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority E											•							•							•									3	
Conservation in the Campo Valley	•		•				•				•										•	•	•	•			•					•			10
County of San Diego Chollas Creek Runoff Reduction and Groundwater Recharge Project							•	•			•						•	•	•			•	•	•	•	•						•	•	•	13
Dulzura Creek Source Water Protection through Property Acquisition and Habitat Restoration							•	•			•						•	•			•	•	•	•	•	•	•					•		•	13
East County Regional Treated Water Improvements Project				•		•										•										•						•	•		6
East Los Coches Drainage Improvements								•										•																	2
East Riparian Corridor project	•	•					•	•			•	•	•					•	•		•	•	•	•	•	•	•	•				•	•	•	19

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Educational Demonstration Wetland Project	•	•					•	•		•	•		•				•	•			•	•	•	•	•	•	•				•	•	•	19	
El Cajon Storm Drainage Master Plan									•		•				•		•																	4	
El Capitan Reservoir Hypolimnetic Oxygenation System for Water Quality Improvement						•		•		•					•	•					•	•			•		•				•	•		11	
El Capitan Reservoir Watershed Acquisition Program								•			•				•		•				•	•	•	•	•	•	•				•			11	
El Monte Valley Groundwater Recharge and River Restoration Project - Phase 3	•		•	•		•		•	•	•	•	•	•				•	•			•	•	•	•	•	•	•	•	•		•	•	•	24	
El Monte Valley Groundwater Recharge and River Restoration Project - Phases 1 and 2	•		•	•				•	•		•	•	•				•	•			•	•	•	•	•	•	•	•			•	•	•	20	
Forester Creek Improvement Project								•	•			•					•	•				•		•	•	•	•				•			11	
Grease – In the Can, Not the Drain											•												•	•	•						•			5	
Green – San Dieguito								•			•						•				•	•	•	•	•	•					•			9	
Groundwater and Salt Management Program	•		•	•		•				•	•	•	•	•		•	•	•			•	•		•	•	•	•	•	•			•	•	•	20
Habitat enhancement & invasive species control program for OMWD’s easements and the Elfin Forest Recreational Reserve.								•													•	•		•							•			5	
Hodges Reservoir Water Quality Improvements Implementation Projects	•			•		•		•			•	•			•	•	•	•		•	•	•	•	•	•	•	•					•	•	•	20
Hodges Reservoir Water Quality Improvements Plan	•			•		•		•			•	•			•	•		•			•	•	•	•	•	•	•					•	•	•	18

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Implementation of Agricultural Efficiency Programs	•	•	•				•					•											•	•							•	•			9
Implementation of Integrated Landscape Program							•	•				•		•			•	•	•			•													8
Implementing Improvements to the Rose Creek Watershed: Controlling Invasive Exotic Species								•	•			•					•	•			•	•	•	•	•		•				•	•		•	14
Implementing Improvements to the Rose Creek Watershed: Enhancing the Connection of Rose Creek to Mission Bay								•	•	•		•					•	•			•	•	•	•	•		•				•	•		•	14
Integrated Commercial/Industrial/Institutional and Residential Indoor Conservation Programs.							•	•				•					•	•	•		•	•	•	•	•						•	•		•	13
Integration of Lake Ramona/Lake Sutherland into CWA Local Storage Plans	•										•			•	•	•								•	•				•						8
Joint Water Agency Natural Community Conservation Plan/ Habitat Conservation Plan (JWA NCCP/HCP): Initial Implementation	•		•		•	•		•					•	•	•	•	•	•			•	•	•	•	•	•	•	•	•			•			20
La Jolla Shores Ocean Protection Project								•	•		•	•					•	•	•		•	•	•	•	•						•	•		•	15
Lake Jennings Regional Master Plan Improvement Project Phase I																					•										•				2
Lake Morena Oak Shores Mutual Water Company Upgraded Residential Water Line Connections.						•						•													•						•				4
Lake San Marcos Restoration Project, Phase 1 & 2								•	•		•				•	•					•														6

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT							
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement		
Las Californias Binational Conservation Initiative: A Vision for Habitat Conservation and Watershed Protection	•		•				•	•				•	•				•	•			•	•	•	•	•	•					•				15	
Loma Alta Lagoon Acquisition and Restoration							•	•														•													3	
Los Peñasquitos Habitat Diversification Project							•	•										•				•	•	•	•	•	•					•	•		10	
Los Peñasquitos Lagoon Enhancement Plan and Program Update and Implementation.							•					•					•	•			•	•	•	•	•	•	•					•			11	
Los Peñasquitos Lagoon Lo Flow Diversion Project							•	•										•					•	•	•	•	•					•			8	
Los Peñasquitos Pollutant Monitoring Project							•					•						•				•	•	•	•	•	•					•	•		•	9
Los Peñasquitos Watershed Sediment Transport Analysis and Monitoring Project.							•					•						•			•	•	•	•	•	•	•				•	•		•	12	
Low Impact Design Pilot Project							•				•	•					•	•	•																6	
Low Impact Development (LID) Conference												•						•							•	•						•			5	
Low Impact Development (LID) Manual												•						•							•	•						•			5	
Lower Otay Pump Station Otay WTP Interconnection (LOPS)				•		•									•	•																			4	
Lower Otay Reservoir Hypolimnetic Oxygenation System for Water Quality Improvement	•					•	•	•				•			•	•	•	•			•	•	•	-	•						•	•			15	
Master Plan for Naturalizing Concrete Channels in the City of Chula Vista			•	•			•					•						•			•	•		•	•										9	

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Membrane Bioreactor Recycled Water Treatment Plant				•										•												•			•						4
Mission Basin Groundwater Contaminant Removal						•																				•									2
Mission Trails Project				•				•								•					•				•		•					•			7
Mission Valley Brackish Groundwater Desalination Pilot Project			•			•				•											•					•					•	•	•		8
Mountain Empire Watershed Preservation Program – “Pollution Prevention Education”	•	•	•									•	•								•	•				•									8
Naturalize Telegraph Canyon Creek Channel in the City of Chula Vista at San Diego Bay								•	•			•						•					•	•		•	•								8
Non Potable Distribution Backbone				•							•			•		•					•								•						6
Non-Potable Water Distribution Project				•							•			•																					3
North City Recycled Water Distribution System Expansion - Phase II				•				•			•	•		•															•			•			7
North City Recycled Water Distribution System Expansion - Phase III				•				•			•	•		•															•			•			7
North County Brine Conveyance Pipeline Feasibility Study			•							•																•						•		•	5
Northern San Diego County Invasive Non-Native Species Control Program	•		•	•				•	•			•	•		•		•	•	•		•	•													13
Northwest Quadrant Recycled Water Project Phase B				•						•				•																					3

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT								
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement			
Oceanside Seawater Desalter Pilot/Alignment/Feasibility Study					•	•																													2		
Otay Water District Groundwater Supply Strategy			•																								•									2	
Otay Water District North District Recycled Water System Development			•	•										•												•			•			•				6	
Otay Water District Otay Mesa Recycled Water Supply System Link			•	•									•													•			•							5	
Otay Water District Portion of San Diego 17 Pump Station and San Diego 17 Flow Control Facility Connection (SD17)				•		•																														2	
Otay WD Levy WTP Water Supply Conveyance and Storage System East County Regional Treated Water Improvement Program (ECRTWIP)				•		•									•	•																				4	
Over-Irrigation Runoff/Bacteria Reduction Project							•					•						•	•		•	•	•									•	•	•		10	
Preserve Wright’s Field	•		•					•				•									•	•	•	•	•	•	•					•				11	
Preserving the Peutz Valley Watershed	•		•					•				•									•	•	•	•	•	•	•					•				11	
Provide and Enhance recreational Opportunities for the Olivenhain Reservoir.								•													•			•												3	
Ramona Grasslands	•		•					•	•			•	•				•	•			•	•	•	•	•	•	•					•				15	
Ramona Municipal Water District (RMWD) Santa Maria Interceptor Sewer and Manhole Relocation Project																												•									1

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Ramona Municipal Water District (RMWD) Santa Maria Wastewater Treatment Plant Upgrade																									•				•						2
Ramona Municipal Water District (RMWD) Sprayfield Environmental Enhancements							•															•													2
Rarnona Municipal Water District (RMWD) Recycled Water System				•							•			•																					3
RE Badger Membrane Process Upgrade						•																				•									2
RE Badger Treated Water Storage Improvements						•					•					•										•									4
Recycled Water and Groundwater Storage Facility Project		•	•	•							•				•						•	•		•	•			•							10
Recycled Water Retrofit Assistance Program		•	•			•	•				•	•		•				•	•		•				•				•			•	•		14
Recycled Water System Improvements			•	•						•	•		•																•				•		7
Red Mountain Treatment Plant						•									•											•									3
Renovation of the Dulzura Conduit at Barrett and Morena Reservoirs				•					•						•	•			•					•				•				•	•		9
Residential Landscape Wireless Irrigation Controllers Program																		•	•						•									3	
Restoring Chocolate Creek			•				•														•	•	•			•						•		7	
Rutherford Ranch West acquisition of 1,689 acres on Volcan Mountain							•				•	•					•	•			•	•	•	•	•	•					•	•		13	

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT					
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement
Ruxton Earthen Channel Improvements								•									•																	2
Sage Hills Open Space Acquisition							•				•						•				•	•	•	•	•						•			9
San Diego Coastkeeper’s Securing San Diego’s Water Supply Campaign													•				•	•							•			•						6
San Diego County Rural Community Watershed Councils (primarily targeting inland areas not served by CWA/MWD infrastructure)	•	•	•			•						•		•			•	•	•			•		•	•	•					•	•	•	15
San Diego National Wildlife Refuge - Otay Unit Land & Crestridge Linkage Acausition			•				•				•						•	•			•	•	•	•	•						•		•	12
San Diego Region Four Reservoir Intertie Project Feasibility Study			•	•		•		•							•	•					•	•		•		•	•				•	•		13
San Diego Regional Water Quality Assessment and Outreach Project							•				•						•	•			•	•	•	•	•						•	•	•	12
San Diego River Watershed Coordinator																						•									•	•	•	4
San Dieguito Watershed Council Staffing	•	•					•	•			•					•	•	•	•		•	•	•	•		•					•	•		16
San Elijo Drainage Improvements								•									•																	2
San Elijo Joint Powers Authority Demineralization Facility										•	•		•				•					•	•	•				•				•		10
San Elijo Water Reclamation Facility Storage Optimization			•				•				•		•												•			•						6

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
San Luis Rey Water Reclamation Facility Expansion														•																					1
San Pasqual Basin Brackish Groundwater Desalination Full-scale Project - Planning and Design			•			•				•												•				•						•	•	•	8
San Pasqual Basin Conjunctive Use (Storage and Recovery) Full-scale Project - Planning and Design			•	•																	•						•				•	•	•	7	
San Vicente Reservoir Hypolimnetic Oxygenation System for Water Quality Improvement						•		•			•				•	•					•	•			•		•				•	•		11	
San Vicente Reservoir Source Water Protection through Watershed Property Acquisition	•							•	•			•			•	•	•	•			•	•	•	•	•	•					•			15	
Santa Margarita Conjunctive Use Project			•	•		•				•	•						•	•			•	•	•	•			•							11	
Santa Margarita River Corridor Protection								•						•							•	•	•	•	•	•	•	•						9	
Santa Margarita Watershed Water Supply Augmentation, Water Quality Protection, and Environmental Enhancement Program								•			•	•		•				•				•		•	•	•		•				•	•	•	13
Santee Water Reclamation Facility Expansion Project.	-		-	-		•	•	-	-	-	•	•	-	•			•	-			•	-	-	-	•	-	•	•			•	-	-	11	
Shade Covering for the Water Conservation Garden Amphitheater																			•			•								•			3		
South San Diego County Water Supply Strategy			•	•	•	•				•			•									•						•			•	•	•	11	

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT						
	Agricultural land stewardship	Agricultural water use efficiency	Groundwater management	Conveyance	Seawater desalination	Potable water treatment and distribution	Economic incentives	Ecosystem restoration	Floodplain management	Groundwater aquifer remediation	Matching water quality to use	Pollution prevention	Recharge areas protection	Recycled water	Regional surface storage	Reoperation & reservoir management	Urban land use management	Urban runoff management	Urban water use efficiency	Water transfers	Recreation & public access	Watershed management & planning	Ecosystem preservation	Environmental and habitat protection & improvement	Water quality protection and improvement	Wetlands enhancement and creation	Conjunctive use	Wastewater treatment		Precipitation enhancement	CALFED surface storage	Stakeholder/community involvement	Water resources data collection, management and assessment	Scientific and technical water quality management knowledge enhancement	
Stabilization and Restoration of Bonita Canyon Creek - a Tributary of the Sweetwater River			•				•	•				•						•			•	•	•	•	•	•								11	
Stabilization and Restoration of Long Canyon Creek - a Tributary of the Sweetwater River			•				•	•				•						•			•	•	•	•	•	•								11	
Stormwater Diversion and Reuse				•	-	-	-				•							•							•										4
Summit Drive Drainage Improvements								•										•																	2
Sweetwater River Watershed Management Plan	•						•					•				•	•	•			•	•	•	•	•	•					•	•	•	15	
Tavern Road Drainage Improvements								•										•																	2
Tertiary Wastewater Treatment Upgrade		•	•	•							•			•	•			•			•	•		•	•			•	•						13
Tijuana River Valley Invasive Plant Control Program - Phase 4			•				•	•													•		•	•	•	•									8
Tijuana River Watershed Invasive Species Removal							•	•																•											3
Undergrounding Water Supply Through the Sweetwater National Wildlife Refuge				•		•						•									•		•			•									6
Upgrade and Expansion of David C. McCollom WTP						•									•																				2
Valley Well Improvement Project		•	•	•							•				•						•	•		•	•			•							10
Vista Flume Rehabilitation Project			•	•		•									•	•																			5
Von Saggern property acquisition																					•		•	•	•						•			5	

Water Management Strategies Employed by San Diego IRWM Projects

Project	Water Management Strategies																												COUNT							
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Water Brooms for Schools and Fast Food Restaurants												•							•			•	•		•						•				6	
Water Conservation Garden Authority Multipurpose Building												•						•	•			•									•				5	
Water Treatment Plant washwater reclamation and solids handling facilities						•																											•		2	
Weather-Based Irrigation Controllers Rebate Program		•					•					•					•	•	•					•	•							•				9
Weese Filtration Plant Capacity Expansion						•																			•											2
West Riparian Corridor project	•	•						•	•		•	•						•	•		•	•		•	•	•					•	•	•		16	
Wetland Expansion Science & Technology Against Runoff (WESTAR II)							•	•	•			•					•	•	•		•	•	•	•	•	•		•				•	•	•		17
Wing Avenue Flood Control Improvements									•									•																		2
Woodside Avenue Drainage Improvements									•									•																		2
Zoo Sewage Equalization tanks and Modification of Storm water Flow											•							•			•	•	•												5	

San Diego Integrated Regional Water Management

Region Acceptance Process

Attachment G

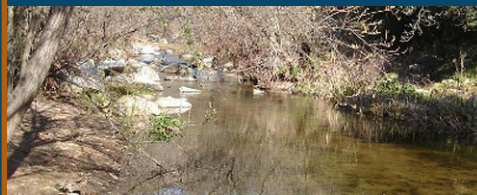
San Diego IRWM Plan Highlights

San Diego



Integrated Regional Water Management Plan

Highlights



Public Review Draft
June 2007



The City of San Diego

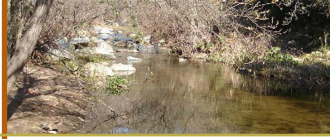


County of San Diego



San Diego County
Water Authority

Innovative Approach to Water Management Planning for the San Diego Region



Governmental and non-governmental water management entities throughout San Diego County have set an unprecedented example for the Region through development of the first-ever San Diego Integrated Regional Water Management (IRWM) Plan. Working together in an environmentally sensitive, cost-conscious way, public agencies, private entities, and the general public have developed a plan to ensure that the Region's water resources remain safe and reliable. The San Diego IRWM Plan is a new approach to water resources planning that integrates existing sub-regional planning efforts and perspectives and formulates regional programs and projects to best achieve the Region's goals for optimum water resource management. These water management goals are:

- Optimize Water Supply Reliability
- Protect and Enhance Water Quality
- Provide Stewardship of Natural Resources
- Coordinate and Integrate Water Resources Management

San Diego is a Diverse Region with Significant Water Management Challenges

The San Diego Region is comprised of a series of watersheds within the County that generally discharge to coastal bays, estuaries, lagoons, and the ocean and support a variety of habitat communities. The Region has more rare, threatened, and endangered plant and animal species than any comparable land area within the



continental United States¹. The San Diego County Multi Species Conservation Program (MSCP) and Multi Habitat Conservation Program (MHCP) are comprehensive habitat conservation programs that are being implemented by local jurisdictions and special districts. They address the habitat needs of critical plant and animal species and the preservation of native vegetation communities.

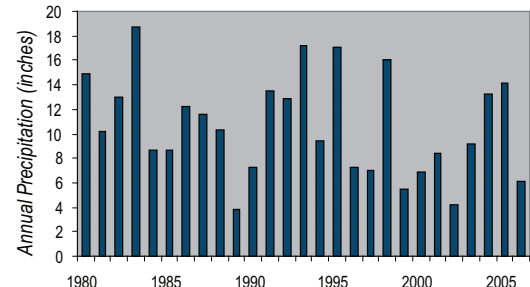
San Diego is a culturally diverse area featuring national and ethnic communities from throughout the world. The Region features large and active national or ethnic communities from Mexico, Central and South America, the Caribbean, Africa, Pacific Island, and Native American communities. Population within the Region is projected to increase by approximately 28 percent by the year 2030. The Region's diverse ethnic groups are projected to comprise the majority of the San Diego County population by year 2010².

Historically dependent on military spending, the Region's economy has diversified during the past 20 years. Manufacturing is the largest economic contributor to the local economy. Leading manufacturing industries within the region include telecommunications, electronics, computers, industrial machinery, aerospace, shipbuilding, biotechnology, and instruments. Tourism is the second largest industry in the Region, followed by the defense industry and agriculture.

Unreliable Precipitation and Limited Local Resources are Key Challenges

The San Diego Region has highly variable rainfall and limited local water supplies.

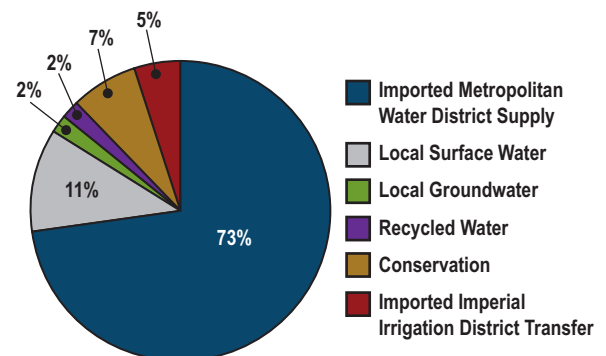
San Diego Receives Limited and Unreliable Precipitation, and Relies Heavily on Imported Supplies



Over the past 60 years the Region has depended largely on water imported from the Bay Delta and the Colorado River. Development of local water supply opportunities is an important step in reducing the Region's reliance on imported water supplies and increasing water supply reliability.

The Region has a Mediterranean climate, and precipitation follows a strong seasonal pattern. More than 90 percent of the annual precipitation typically occurs during the six-month period of November through April, while a significant majority of the evaporation occurs during summer and autumn months³. Significant variation occurs in the geographic distribution of precipitation across the Region, and precipitation quantities vary greatly from year to year.

The San Diego Water Authority Relies Heavily on Imported Supplies



1. Pulliam, H. Ronald and Bruce Babbitt. 1997. Science and the Protection of Endangered Species. Science 1997 275: 499-500.

2. San Diego Association of Governments (SANDAG). Final 2030 City/County Forecast. 2003.

3. Western Regional Climate Center. Western Regional Climate Center historical climate data website: <http://www.wrcc.dri.edu/summary/Climsmsca.html>. 2006.

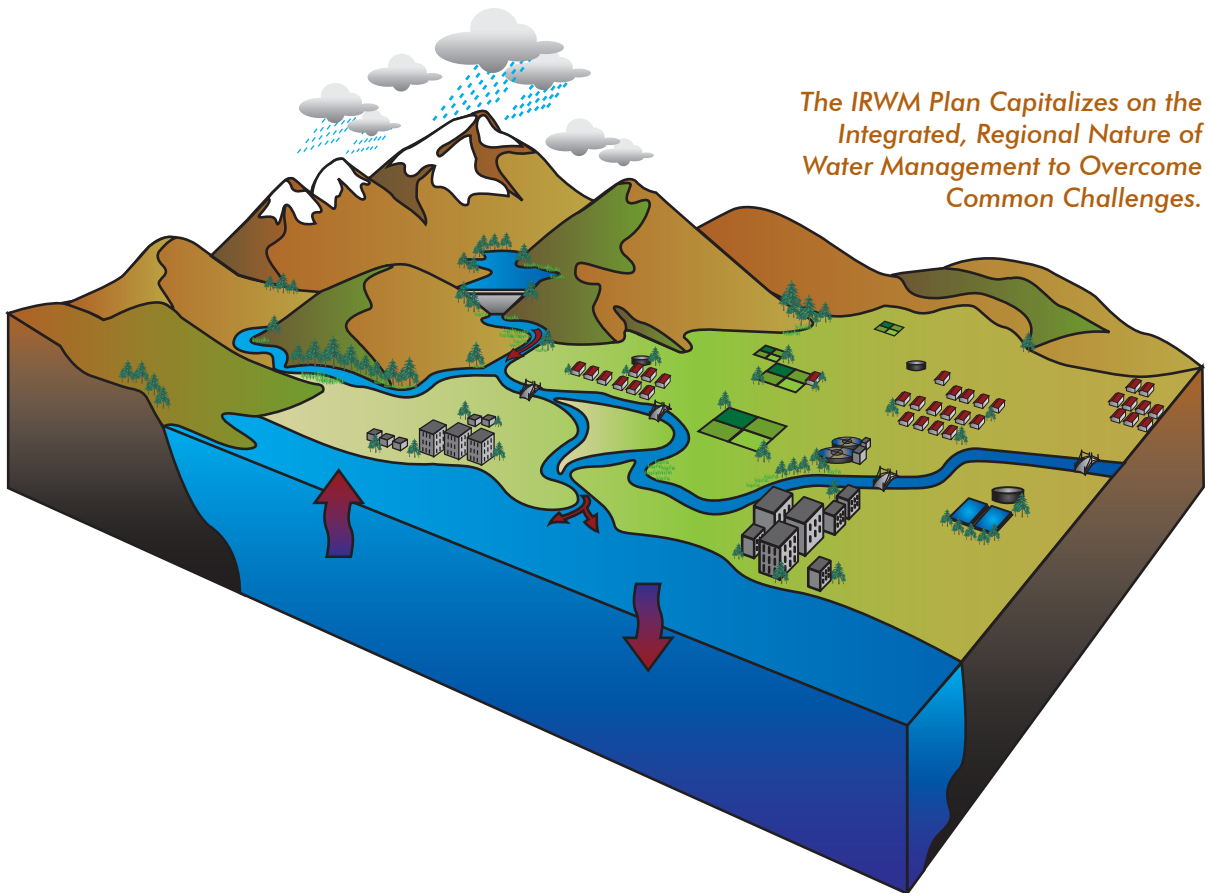
The San Diego County Water Authority (Water Authority) is the sole imported water wholesale agency within the Region, and all major water agencies within the San Diego Region are members of the Water Authority. Depending upon local hydrologic conditions, water supplies delivered by the Water Authority to its member agencies comprise 70 to 90 percent of the Region's water supply⁴. The Region's water agencies have targeted increasing local supplies as a key element in meeting future regional water demands.

The San Diego Regional Water Quality Board (Regional Board) has listed 40 inland surface waters and 35 coastal waters or beach segments in the Region as water quality impaired because they do not comply with applicable water quality standards. Primary water quality constitu-

ents of concern for the Region's surface waters include coliform bacteria, sediment, nutrients, salinity, metals, and toxic organic compounds. The Regional Board has completed Total Daily Maximum Loads (TMDLs) for several of these water quality impaired waters, and has initiated TMDLs for a number of other impaired waters.

A New Approach to Addressing Water Management Challenges

Numerous water resource management plans have been developed by individual groups or partnerships throughout the Region. These plans address water supply, water quality, ecosystem and habitat protection and enhancement, watershed protection, recreation, and land use management. Challenges to addressing water management issues on a sub-regional scale include:



The IRWM Plan Capitalizes on the Integrated, Regional Nature of Water Management to Overcome Common Challenges.

4. San Diego County Water Authority. Updated 2005 Urban Water Management Plan. 2007.

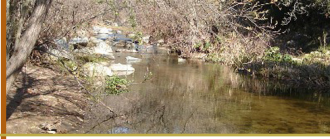
- competing or conflicting objectives of the individual or sub-region plans
- conflicting means of achieving the objectives
- jurisdictional conflicts
- regulatory constraints
- environmental concerns
- public acceptability
- lack of funding

The San Diego IRWM Plan provides a mechanism for stakeholders to work together to address the challenges that potentially exist among multiple planning efforts. The IRWM Plan is intended to serve as an umbrella document that encompasses many water management planning efforts within the Region. In addition, the IRWM Plan also provides a means to develop and update regional water management objectives, overcome potential project implementation constraints, and implement water management projects that conform with the IRWM Plan objectives.

The IRWM Plan accomplishes the following:

- Provides a mechanism to consider individual plans in a regional, more comprehensive manner, to determine where plans can supplement each other and move forward more effectively with complementary projects.
- Brings jurisdictions together to resolve potential conflicts and prioritize projects for potential local, state, or federal funding.
- Provides a unified regional approach for identifying and assessing regulatory compliance issues. Such an approach may provide greater opportunities for coordinating and resolving regulatory constraints than through stand alone projects or the actions of a single agency.
- Provides a unified approach for identifying and assessing environmental compliance challenges and environmental enhancement opportunities. A regional approach may provide greater opportunity for coordinating and resolving environmental issues than through stand alone projects or the action of a single agency.
- Allows for greater public understanding and acceptance of proposed projects in part because the projects were considered in the context of the Region and other management strategies.
- Allows for the attainment of broad-based objectives that benefit multiple aspects of water management planning through integration of projects and programs.
- Encourages entities to identify opportunities for implementing collaborative or regional funding approaches. Projects included within the IRWM Plan will be preferred for some forms of local, state, or federal funding.

Stakeholder Engagement is a Critical Component of IRWM Planning



A Regional Water Management Group (RWMG) was formed to organize and facilitate development of the 2007 IRWM Plan. The RWMG consists of the following three key agencies:

San Diego County Water Authority
City of San Diego
County of San Diego

The **County of San Diego** has over 3 million residents and is the third most populous in California. Its Gross Regional Product is \$130 billion (2003), which would rank it 35th among national economies in the world. Eighteen municipalities and the County govern the distinctive communities and neighborhoods that span the 4281 square miles. The County is the lead copermitee for the regional municipal stormwater permit which consists of the County, eighteen municipalities, San Diego Unified Port Authority and the San Diego County Regional Airport Authority.

The **City of San Diego** is the second largest city in California. The City's Water Department serves 1.4 million residents in the City and neighboring communities, operates three water treatment plants with capacity of 400 million gallons per day, and has nine reservoirs storing up to 420,000 acre feet. The City operates the Metro Wastewater System which collects and treats wastewater from the City and 15 other cities and districts from a 450 square mile area with a population of over 2.2 million.

The **San Diego County Water Authority** serves the Region as a public wholesale water supplier. The Water Authority works through its 24 member agencies to provide a safe, reliable water supply to nearly 3 million residents in the western third of San Diego County. The Water Authority fulfills this responsibility in part by importing water from the Colorado River and the Sacramento-San Joaquin River Delta, via the Metropolitan Water District of Southern California. The Water Authority also brings water into the Region through transfer programs that involve the conservation of water on Imperial Valley farms and the prevention of seepage from canals in the Imperial and Coachella valleys. In FY 2006, the Water Authority used its nearly 300 miles of large-diameter pipeline to deliver 579,110 acre-feet of water to its member agencies.

The RWMG has spearheaded this effort which involves working together to identify a suite of integrated projects that will produce the best possible result for the San Diego Region.

Development of the IRWM Plan relied on active support and involvement from nearly 30 separate entities engaged in water resources planning and manage-

ment throughout the Region. This stakeholder identification and input process was led by the following regional groups:

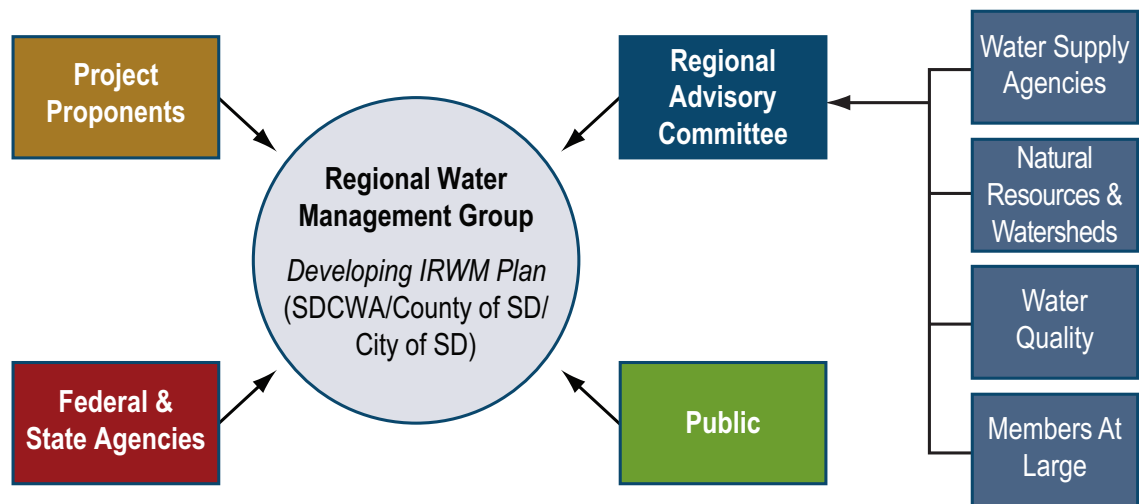
- **Regional Advisory Committee.** Policy-level input to the IRWM Plan was provided by a Regional Advisory Committee (RAC) that included agencies and entities with local water management authority, as well as subject matter experts

representing environmental groups, academic entities, agricultural groups, water suppliers, wastewater agencies, water quality interests, regulatory agencies, and disadvantaged communities. The RAC served as the primary organization that provided direction to the RWMG for plan preparation.

- **Water Authority Member Agency General Managers.** The Water Authority Member Agency General Managers have provided input relative to water supply issues.
- **Project Clean Water.** Initial stakeholder identification and program direction was provided through Project Clean Water. Project Clean Water was initiated by the County of San Diego in 2000 as a mechanism for bringing together government agencies, non-govern-

ment agencies, and interested parties throughout the Region to collaboratively explore water quality issues of regional importance.

- **Project Clean Water Watershed Protection Technical Advisory Committee.** Technical guidance was provided through the Watershed Protection Technical Advisory Committee (Watershed Protection TAC) formed through Project Clean Water. The Watershed Protection TAC meets regularly to discuss a range of watershed planning and implementation issues, and reaches a broad spectrum of watershed planning stakeholders.
- **Stormwater Copermittee Management Committee.** The Stormwater Copermittee Management Committee provided input relative to stormwater management.



Draft 2007 IRWM Plan Stakeholder Input

The RWMG, RAC, and Stakeholders Developed a Vision, Mission, Goals and Objectives for the IRWM Planning Effort

The IRWM Plan Vision is:

An integrated, balanced, and consensus approach to ensuring the long-term sustainability of San Diego's water supply, water quality, and natural resources.

The IRWM Plan Mission is:

To develop and implement an integrated strategy to guide the San Diego Region toward protection, managing, and developing reliable and sustainable water resources. Through a stakeholder-driven and adaptive process, the Region can develop solutions to water-related issues and conflicts that are economically and environmentally preferable, and that provide equitable resource protection for the entire Region.

IRWM Plan Goals

In accordance with the IRWM Plan vision and mission statement, the RWMG, RAC, and regional stakeholders developed the following four IRWMP Plan goals:

- Optimize water supply reliability
- Protect and enhance water quality
- Provide stewardship of our natural resources
- Coordinate and integrate water resource management

The RWMG, RAC, and regional stakeholders developed nine IRWM Plan objectives to accomplish the four IRWM Plan goals. Because all nine objectives are critical to effective water management, it was decided that the objectives are of equal importance, and should not be ranked.

Objective A | Maximize stakeholder and community involvement and stewardship. Coordinate efforts to foster a consistent message that will engage communities and educate the public on the interconnectiveness of water supply, water quality, and natural resources while promoting individual and community ownership of the problems and solutions.

Objective B | Effectively obtain, manage, and assess water resources data and information. Increase and expand sharing, integration, and comprehensive analysis of water resource and water quality data to provide a basis for improved water resources management.

Objective C | Further scientific and technical foundation of water management. Promote actions, programs and projects that increase scientific knowledge and understanding of water management issues, effects of water management actions on water quality, relations between water quality and beneficial uses, and how water quality improvements may translate to increased public benefit. Coordinate with regulatory agencies to assess and resolve ambiguous or conflicting regulatory standards or requirements.

Objective D | Develop and maintain a diverse mix of water resources. Continue to develop diverse water resources to meet the local supply and conserva-

tion goals identified in 2005 Urban Water Management Plans of the various water agencies in the Region and the County's General Plan 2020, reduce dependence on imported water supplies, and avoid shortages during drought periods. The diverse mix of water resources being developed includes water transfers, recycled water, water conservation, seawater desalination, local surface water, and groundwater.

Objective E | Construct, operate, and maintain a reliable infrastructure system. Construct water conveyance, treatment, storage, and distribution facilities for reliable regional and local water infrastructure systems that are operated and maintained to meet demands for treated and untreated water, are consistent with the future mix of resources, and provide flexibility in system operations.

Objective F | Reduce the negative effects on waterways and watershed health caused by hydromodification and flooding. Promote development and best management practices that reduce the negative effects on natural stream systems. Runoff from impervious surfaces can result in erosion, sediment pollution, altered water temperatures, habitat degradation, and flooding. Channel modification may increase the likelihood of damages due to an altered natural drainage system.

Objective G | Effectively reduce sources of pollutants and environmental stressors. Reduce pollutants and environmental stressors to maintain or improve water quality through the applica-

tion of point source control, stormwater best management practices, management measures such as land use planning and conservation, and reservoir management.

Objective H | Protect, restore and maintain habitat and open space.

Manage and acquire land to preserve open space and limit activities that negatively affect water quality, habitat, and endangered, threatened, and key species. The creation of interconnected wildlife corridors, invasive species management, and water pollution prevention activities will help maintain and enhance native biological diversity.

Objective I | Optimize water-based recreational opportunities. Protect and improve water quality to support water-based recreational activities such as swimming, fishing, boating, as well as picnicking and hiking along waterways, while ensuring that the recreational activities do not adversely affect other beneficial uses of water.

Performance Measures for Assessing Progress

The RWMG, RAC, and stakeholders have also developed a series of measurable targets to assess the Region's progress toward achieving each objective. While it is expected that these targets will evolve in response to changing regional conditions, the targets will serve as an effective means of measuring progress toward achieving the IRWM Plan objectives, and will guide adaptive management of the ongoing planning process.

The IRWM Plan Establishes Short-Term Priorities



Using the regional objectives as a guide, the IRWM Plan stakeholder group identified short-term regional priorities, which are actions to guide implementation of the IRWM Plan.

Short-Term Regional Priorities

1. Implement priority projects and programs that support the Region's IRWM goals and objectives.
2. Formally establish a long-term institutional structure to guide the ongoing development and implementation of the San Diego IRWM Plan.
3. Implement and update as needed a Public Outreach Plan that ensures key stakeholders and affected parties are informed of and engaged in IRWM planning and implementation.
4. Establish a regional, web-based system for sharing, disseminating, and supporting the analysis of water management data and information.
5. Complete a Needs Assessment and develop recommendations for addressing existing deficiencies in the technical and scientific foundation of San Diego Basin Plan beneficial uses and water quality objectives.
6. Complete an updated assessment of local water management plans to ensure effective and upfront input from these plans during all phases of IRWM planning and implementation Plan.
7. Revise and Update San Diego IRWMP.

Identifying and Implementing Priority Projects is a Key Short-Term Priority

The IRWM Plan includes projects that align with the regional objectives. Project proponents throughout the Region were informed of the objectives and encouraged to refine their projects and partner with other agencies to best align with the IRWM planning process.

Water Management Strategies*

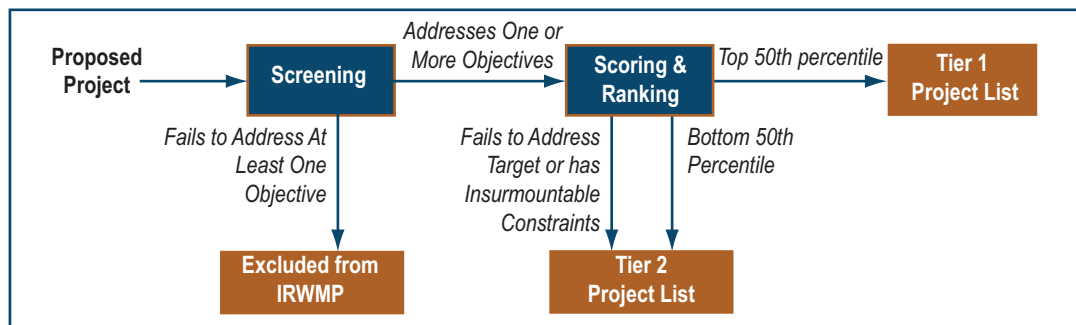
Agricultural land stewardship	CALFED surface storage
Agricultural water use efficiency	Regional surface storage
Groundwater management	Reoperation and reservoir management
Conveyance	Urban land use management
Seawater desalination	Urban runoff management
Potable water treatment and distribution	Urban water use efficiency
Economic incentives	Water transfers
Ecosystem restoration	Water-dependent recreation and public access
Floodplain management	Watershed management and planning
Groundwater aquifer remediation	Ecosystem preservation
Matching quality to use	Environmental and habitat protection and improvement
Pollution prevention	Water quality protection and improvement
Precipitation enhancement	Wetlands enhancement and creation
Recharge area protection	Conjunctive use
Recycled water	Wastewater treatment

* Water Management Strategies from DWR's California Water Plan Update 2005 and Proposition 50 Program Guidelines.

Projects most attractive in this regional setting include multiple water management strategies as well as multiple partners. Water management strategies included in the plan are those strategies that are addressed in existing regional plans or those that are currently implemented within the Region.

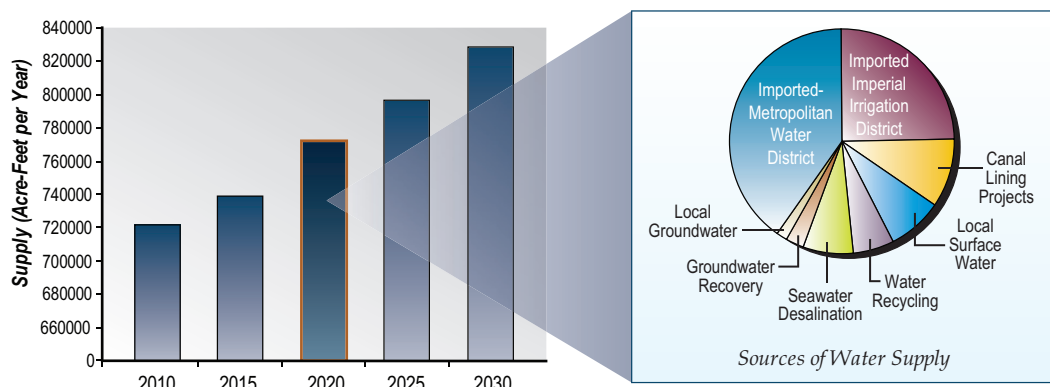
More than 160 water management projects are considered in the IRWM Plan, including a wide array of water supply, water system reliability, water quality protection, pollution prevention, storm runoff control, habitat protection and enhancement, wetlands creation, invasive species control, land conservation, flood control, water-based recreation, data collection, stakeholder outreach, and public education projects.

A two-stage prioritization process that includes plan-level prioritization and funding-level prioritization was used to further prioritize programs and projects for potential implementation. On the basis of the selected criteria, a list of 80 Tier I projects was developed.



Plan Prioritization Process Overview

Proposed IRWM water management strategies and projects will result in a number of region-wide and inter-regional benefits. Proposed IRWM projects will help to achieve State Water Plan objectives and goals by reducing reliance on water supplies imported from the Bay-Delta, while improving the Region's water supply reliability, water quality, and natural resources.



IRWM Projects will Provide Multiple Benefits Including Increasing Future Water Supply Diversity

In addition to water supply reliability benefits, the San Diego IRWM Plan provides a wide array of benefits associated with water quality, ecosystem improvement, fish and wildlife enhancement, flood protection, and a host of others.

Type of IRWM Project	Regional Benefit													
	Water Quality Improvement	Ecosystem Improvement	Fish and Wildlife Enhancement	Enhance Flood Control	Enhance Erosion Control	Enhance Public Safety	Enhance Recreation and Public Access	Water Supply Reliability	Preserve Cultural Resources	Reduce Wastewater Discharges	Improve Water Management Coordination	Enhance Scientific Knowledge and Understanding	Increase Public Education and Awareness	Funding and Economic Benefits
Pollution Prevention and Urban Runoff Control	•	•	•	•	•	•	•	•		•	•	•	•	•
Ecosystem Restoration and Habitat Preservation	•	•	•	•	•		•		•	•	•			•
Flood Control or Hydromodification				•	•	•					•			•
Recreation & Public Access							•				•	•	•	•
Water Conservation	•	•	•					•		•	•	•	•	•
Potable Water Treatment and Conveyance						•		•		•	•			•
Groundwater Remediation or Management						•		•		•	•			•
Recycled Water						•		•		•	•			•
Brine Management	•							•		•	•			•

IRWM Planning Positions the Region to Secure Funding



In addition to providing a cost-effective and efficient means for planning across jurisdictional boundaries, IRWM planning provides an important first step in positioning the Region to secure the outside funding critical to allow the Region to implement much-needed water management projects and programs. An approved IRWM Plan is necessary for regions to be eligible for funding from the State of California under Propositions 50, 84, and 1E.

The Proposition 50 Chapter 8 IRWM Grant Program is a joint program between the California Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB) which provides funding for projects that protect communities from drought, protect and improve water quality, and reduce dependence on imported water. The IRWM Grant Program includes two separate grant types - Planning Grants

and Implementation Grants. Round 2 of the implementation grant process is currently underway, and completion of the draft San Diego IRWM Plan has positioned the Region to qualify for up to \$25 million in implementation funding through this measure.

Proposition 84 will begin in the summer of 2008, and is expected to provide approximately \$91 million in funding for IRWM projects in the San Diego Region.

Prop 1E is expected to provide \$300 million statewide for grants for stormwater and flood management projects.

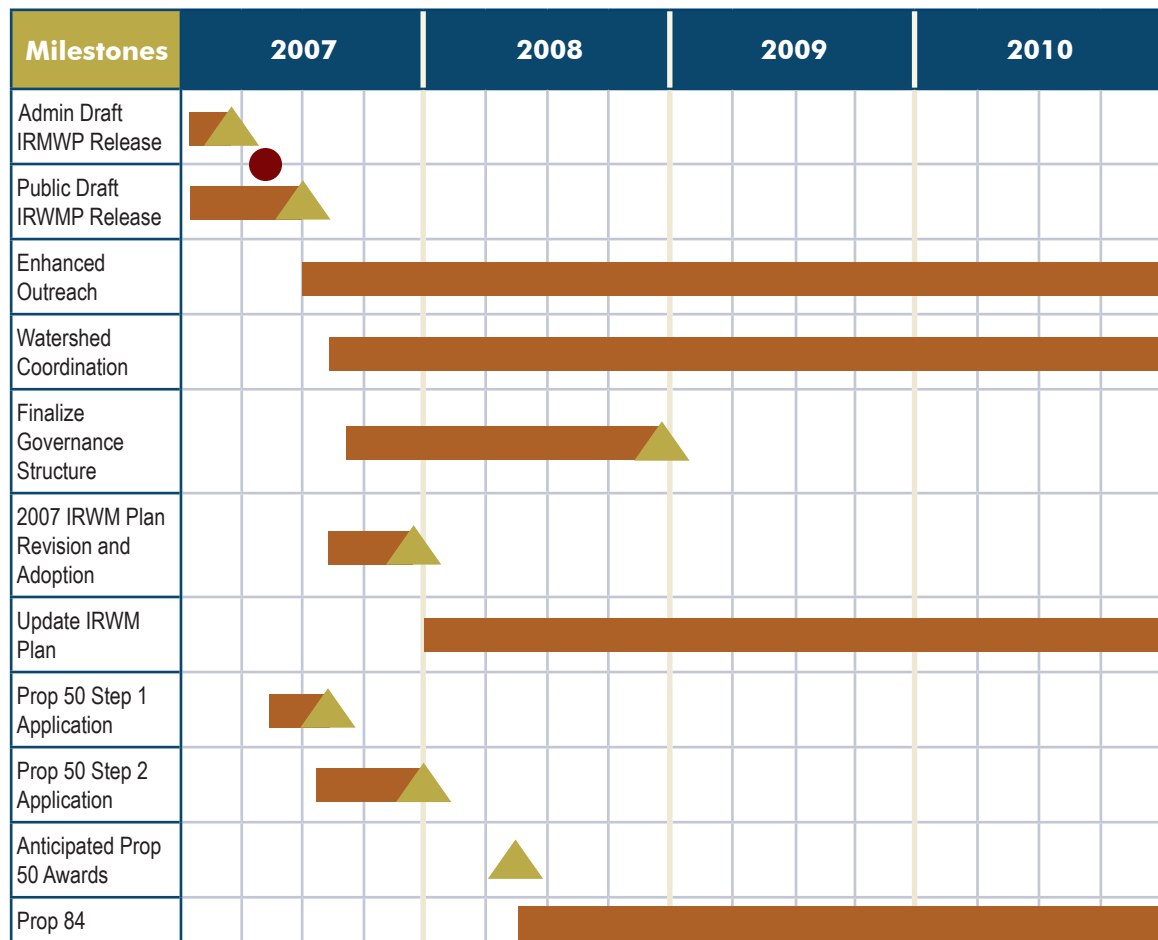
Beyond Propositions 50, 84, and 1E, a variety of future state and federal funding opportunities for water-related projects are expected. This IRWM Plan will provide the vehicle to pursue those funding opportunities.

The Past, Present and Future of IRWM Planning



In addition to establishing short-term priorities and facilitating the pursuit of outside funding, the 2007 IRWM Plan represents the first step in a long term planning process. As this long-term process unfurls, stakeholder groups will be expanded, governance structure will be refined, coordination with watershed groups will be embellished, emerging issues will be identified, and new priorities will be established.

The San Diego IRWM Plan is a living document; it is envisioned that the IRWM Plan will continue to evolve over time in response to the changing needs of the Region. Through initiation of this unprecedented approach to integrated regional water management, the San Diego Region is establishing itself as a leader in proactive water management planning.



For additional information, visit www.sdirwmp.org

