

Appendix 5
San Diego Region
Water Management Projects

This page is deliberately blank

Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

Appendix 5

Projects are listed alphabetically by project title. *P indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

		Water Management Strategies									
Project Title	Project Proponent										
City of San Diego Watershed-based Street Sweeping Program, Phase 1	City of San Diego									S	S
City of San Diego Watershed-based Street Sweeping Program, Phase 2	City of San Diego									S	S
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority A	City of Chula Vista										
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority B	City of Chula Vista										
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority C	City of Chula Vista										
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority D	City of Chula Vista										
CMP Rehabilitation and Replacement in the City of Chula Vista, Priority E	City of Chula Vista										
Conservation in the Campo Valley	Back Country Land Trust of San Diego County	S	S								
County of San Diego O'Chillas Creek Runoff Reduction and Groundwater Recharge Project	Department of General Services, County of San Diego										
Dulzura Creek Source Water Protection through Property Acquisition and Habitat Restoration	City of San Diego Water Department										
East County Regional Treated Water Improvements Proj	San Diego County Water Authority	P	S								
East Los Coches Drainage Improvements	County of San Diego										
East Riptarian Corridor project	Zoological Society of San Diego	S	S							S	S
Educational Demonstration Wetland Project	Zoological Society of San Diego	S	S							S	S
El Cajon Storm Drainage Master Plan	City of El Cajon Department of Public Works										
El Capitan Reservoir Hypolimnetic Oxygenation System for Water Quality Improvement	City of San Diego Water Department	S		S						S	S
El Capitan Reservoir/Watershed Acquisition Program	The San Diego River Park Foundation									S	S
El Monte Valley Groundwater Recharge and River Restoration Project - Phase 3	Helix Water District	S	P	S	S					S	S
El Monte Valley Groundwater Recharge and River Restoration Project - Phases 1 and 2	Helix Water District	S	P	S	S					S	S
Forster Creek Improvement Project	City of Santee									S	S
Grease – In the Can, Not the Drain	Fallbrook Public Utility District										
Green – San Dieguito	Department of Parks and Recreation	S	P	S	S					S	S
Groundwater and Salt Management Program	Santa Fe Irrigation District									S	S
Habitat enhancement & invasive species control program for OnWWD's easements and the Ellin Forest Recreational Reserve.	OnWWD									S	S
Hodges Reservoir Water Quality Improvements Implementation Projects	City of San Diego Water Department	S		S	S	S				S	S

Projects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

Project Title	Project Proponent	Water Management Strategies																		
		Water Management Strategies									Water Management Strategies									
Hodges Reservoir Water Quality Improvements Plan	City of San Diego Water Department	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
Implementation of Agricultural Efficiency Programs	San Diego County Water Authority	S	P	S			S	S	S	S						S	P	S	S	
Implementation of Integrated Landscape Program	San Diego County Water Authority																			
Implementing Improvements to the Rose Creek Watershed: Controlling Invasive Exotic Species	San Diego Earthworks																			
Implementing Improvements to the Rose Creek Watershed: Enhancing the Connection of Rose Creek to Mission Bay	San Diego Earthworks																			
Integrated Commercial/Industrial/Institutional and Residential Indoor Conservation Programs.	San Diego County Water Authority																			
Interconnection of Lake Ramona/Lake Sutherland into CWA Local Storage Plans	Ramona Municipal Water District																			
Plan/Habitat Conservation Plan (UWA/NCCP/HCP): Initial Implementation	Sweetwater Authority	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
La Jolla Shores Ocean Protection Project	University of California, San Diego																			
Lake Jennings Regional Master Plan Improvement Project Phase I	Helix Water District																			
Lake Morena Oak Shores Mutual Water Company Upgraded Residential Water Line Connections.	Community Environment Committee of San Diego																			
Lake San Marcos Restoration Project, Phases 1 & 2	Friends of Lake San Marcos																			
Las Californiae Benthonic Conservation Initiative: A Vision for Habitat Conservation and Water Net Protection	The Nature Conservancy	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	P	S	S	
Loma Alta Lagoon Acquisition and Restoration	City of Oceanside																			
Los Peñasquitos - Habitat Diversification Project	Los Peñasquitos Lagoon Foundation																			
Los Peñasquitos Lagoon Enhancement Plan and Program Update and Implementation	Los Peñasquitos Lagoon Foundation																			
Los Peñasquitos Lagoon Lo Flow Diversion Project	Los Peñasquitos Lagoon Foundation																			
Los Peñasquitos Pollutant Monitoring Project	Los Peñasquitos Lagoon Foundation																			
Los Peñasquitos Watershed Sediment Transport Analysis and Monitoring Project.	Los Peñasquitos Lagoon Foundation																			
Low Impact Design Pilot Project	Oceanside																S	P	S	
Low Impact Development (LID) Conference	The County of San Diego																			
Low Impact Development (LID) Manual	The County of San Diego																			
Lower Olay Pump Station Olay WTP Interconnection (LOPS)	Oceanside	S	P																	
Lower Olay Reservoir-Hypolimnetic Oxygenation System for Water Quality Improvement	City of San Diego	S															P	S	S	S
Master Plan for Naturalizing Concrete Channels in the City of Chula Vista	City of Chula Vista																	P	S	S

Projects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

		Water Management Strategies									
Project Title	Project Proponent	Wastewater Treatment & Reuse					Groundwater Management				
Membrane Bioreactor Recycled Water Treatment Plant	Otay Water District	S	P	S	S	S	S	S	S	S	S
Mission Basin Groundwater Contaminant Removal	City of Oceanside										
Mission Trails Project	San Diego County Water Authority										
Mission Valley Brackish Groundwater Desalination Pilot Project	City of San Diego/Water Department	S	P				S	S	S	S	S
Mountain Empire Watershed Preservation Program – Pollution Prevention Education ^a	The Southern California Center for Youth, Nature and the Arts, Inc.	S	S				P	S		S	S
Natralize Telegraph Canyon Creek Channel in the City of Chula Vista at San Diego Bay	City of Chula Vista						S	S	S	S	S
Non-Potable Distribution Backbone	Santa Fe Irrigation District	S					P	S	S	S	S
Non-Potable Water Distribution Project	Olivenhain Municipal Water District	S					S	S	S	P	S
North City Recycled Water Distribution System Expansion - Phase II	City of San Diego	S					S	S	S	S	S
North City Recycled Water Distribution System Expansion - Phase III	City of San Diego	S					S	S	S	P	S
North County Brine Conveyance Pipeline Feasibility Study	City of San Diego/Water Department Mission Resource Conservation District (WRCD)	S	S	S	P		S	S	S	S	S
Northern San Diego County Invasive Non-Native Species Control Program	Olivenhain Municipal Water District	S					S				
Northwest Quadrant Recycled Water Project Phase B	Oceanside Seawater Desalter Pilot/Alignment/Feasibility Study			P	S						
Oceanside Seawater Desalter Pilot/Alignment/Feasibility Study	City of Oceanside										
Otay Water District Groundwater Supply Strategy	Otay Water District	P	S								
Otay Water District North District Recycled Water System Development	Otay Water District	S	S				S	S	P		
Otay Water District Otay Mesa Recycled Water Supply System Link	Otay Water District	S	S				S	S	P		
Otay Water District Portion of San Diego 17 Pump Station and San Diego 17 Flow Control Facility Connection (SD17)	Otay Water District	S	P								
Otay WD Levy WTP Water Supply Conveyance and Storage System East County Regional Treated Water Importation Program (ECRTWP)	Otay Water District	S	P								
Over-Irrigation Runoff/Bacteria Reduction Project	City of Encinitas		S	S	S		P			S	S
Preserve Wright's Field	Back Country Land Trust of San Diego County	S	S	P	S		S	S	S	S	S
Preserving the Peutz Valley Watershed	Back Country Land Trust of San Diego County	S	S	S	P		S	S	S	S	S
Provide and Enhance recreational Opportunities for the Olivenhain Reservoir	OWWD		S	S	P	S	S	S	S	S	P
Raniona Grasslands	The Nature Conservancy (Conservancy)	S	S								
Raniona Municipal Water District (RMWD) Santa Maria Interceptor Sewer and Marmole Relocation Project	Raniona Municipal Water District						P				

^aProjects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

Project Title	Project Proponent	Water Management Strategies													
		Wastewater Treatment		Groundwater Management		Floodplain Management (#10)		Wetlands enhancement and creation (#8C)		Ecosystem restoration (#9)		Ecosystem preservation (#9A)		Wetlands improvement and creation (#8B)	
Plant Upgrades		Treatment		Storage		Treatment		Management		Treatment		Management		Treatment	
Ramona Municipal Water District (RMWD) Santa Maria Wastewater Treatment Plant Upgrade	Ramona Municipal Water District	S	P	S	P	S	P	S	P	S	P	S	P	S	S
Ramona Municipal Water District (RMWD) Sprayfield Environmental Enhancements	Ramona Municipal Water District	S	P	S	P	S	P	S	P	S	P	S	P	S	S
Ramona Municipal Water District (RMWD) Recycled Water System	Ramona Municipal Water District	S	P	S	P	S	P	S	P	S	P	S	P	S	S
RE Badger Membrane Process Upgrade	Santa Fe Irrigation District	P	P	S	S	S	S	S	S	S	S	S	S	S	S
RE Badger Treated Water Storage Improvements	Santa Fe Irrigation District	P	P	S	S	S	S	S	S	S	S	S	S	S	S
Recycled Water and Groundwater Storage Facility Project	Zoological Society of San Diego	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Recycled Water Retrofit Assistance Program	San Diego County Water Authority	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Recycled Water System Improvements	Santa Fe Irrigation District	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Red Mountain Treatment Plant	Falbrook Public Utility District	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Renovation of the Dizura Conduit at Barrett and Morena Reservoirs	City of San Diego Water Department	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Residential Landscape Wireless Irrigation Controllers Program	Santa Fe Irrigation District	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Restoring Chocolate Creek	Back Country Land Trust of San Diego County	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Rutherford Ranch West Acquisition of 11,689 acres on Volcan Mountain	Volcan Mountain Preserve Foundation	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Ruxton Earthen Channel Improvements	County of San Diego	S	P	S	S	S	S	S	S	S	S	S	S	S	S
Sage Hills Open Space Acquisition	The Conservation Fund	S	P	S	S	S	S	S	S	S	S	S	S	S	S
San Diego Coastkeeper's Securing San Diego's Water Supply Campaign	San Diego Coastkeeper	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Diego County Rural Community Watershed Councils (formally targeting Inland areas not served by CWA/AMWC infrastructure)	Resource Conservation District of Greater San Diego County	S	S	S	S	S	S	S	S	S	S	S	S	P	S
San Diego National Wildlife Refuge - Otay Unit Land & Crestridge Linkage Acquisition	The Nature Conservancy	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Diego Region Four Reservoir Intertie Project Feasibility Study	Sweetwater Authority	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Diego Regional Water Quality Assessment and Outreach Project	San Diego Coastkeeper	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Diego River Watershed Coordinator	The San Diego River Park Foundation	S	S	S	S	S	S	S	S	S	S	S	S	P	S
San Dieguito Watershed Council Staffing	San Dieguito River Valley Conservancy	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Elijo Drainage Improvements	County of San Diego	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Elijo Joint Powers Authority Demineralization Facility	The San Elijo Joint Powers Authority	S	S	S	S	S	S	S	S	S	S	S	S	S	S
San Elijo Water Remediation Facility Storage Optimization	San Elijo Joint Powers Authority	S	S	S	S	S	S	S	S	S	S	S	S	S	S

Projects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

		Water Management Strategies											
Project Title	Project Proponent												
San Luis Rey Water Reclamation Facility Expansion	City of Oceanside												
San Pasqua Basin Brackish Groundwater Desalination Full-scale Project - Planning and Design	City of San Diego/Water Department	S	P								S	S	S
San Pasqua Basin Conjunctive Use (Storage and Recovery) Full-scale Project - Planning and Design	City of San Diego/Water Department	S	P								S	S	S
San Vicente Reservoir Hypolimnetic Oxygenation System for Water Quality Improvement	City of San Diego Water Department	S	S					P	S		S	S	S
San Vicente Reservoir Source Water Protection through Watershed Property Acquisition	City of San Diego Water Department	S						S	S	S	P	S	S
Santa Margarita Conjunctive Use Project	Fallbrook Public Utility District	P	S	S				S	S		S	S	S
Santa Margarita River Corridor Protection	San Diego State University Field Stations Program	S						P	S	S		S	S
Santa Margarita Watershed Water Supply Augmentation, Water Quality Protection, and Environmental Enhancement Program	U.S. Bureau of Reclamation	S						S	S	S	P	S	S
Santee Water Reclamation Facility Expansion Project	Padre Dam Municipal Water District	S	S								S	S	S
Shade Covering for the Water Conservation Garden Amphitheater	The Water Conservation Garden	P	S	S	S						P	S	S
South San Diego County Water Supply Strategy	Sweetwater Authority							S	S	S		S	S
Stabilization and Restoration of Bonita Canyon Creek - a Tributary of the Sweetwater River	City of Chula Vista	S						S	P	S		S	S
Stabilization and Restoration of Long Canyon Creek - a Tributary of the Sweetwater River	City of Chula Vista	S						S	S	S		S	S
Stormwater Diversion and Reuse	Santa Fe Irrigation District	S						S	S	S	P		
Summit Drive Drainage Improvements	County of San Diego								P			S	S
Sweetwater River Watershed Management Plan	County of San Diego	S						S	S	S		S	S
Tavern Road Drainage Improvements	County of San Diego							S	P	S		S	S
Tertiary Wastewater Treatment Upgrade	Zoological Society of San Diego	S	S	S				S		S		S	S
Tijuana River Valley Invasive Species Removal	Southwest Wetlands Interpretive Association	S						P	S	S	S		S
Tijuana River Watershed Invasive Species Removal	County of San Diego							P	S	S	S		S
Undergrounding Water Supply Through the Sweetwater National Wildlife Refuge	City of Chula Vista							P	S	S			
Upgrade and Expansion of David C. McCollom WTP	Olivenhain Municipal Water District											S	S
Valley Well Improvement Project	Zoological Society of San Diego	S	S	P				S				S	S
Vista Flume Rehabilitation Project	Vista Irrigation District	S	P					S	P			S	S
Von Saggen property acquisition	The Escondido Creek Conservancy							S	P			S	S

Projects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

Appendix 5
Primary and Secondary Water Management Strategies Addressed by Projects Considered in IRWM Plan

Project Title	Project Proponent	Water Management Strategies													
		Wastewater Treatment and Creation		Floodplain Management (#10)		Groundwater Aquifer Remediation (#11)		Matching Water Quality to Use (#12)		Water Quality Protection and Creation (#13)		Recharge Areas Protection (#15)		Regional Surface Storage (#17)	
Water Brooms for Schools and Fast Food Restaurants	Helix Water District	S	S	S	S	S	S	S	S	S	S	S	S	P	S
Water Conservation Garden Authority Multipurpose Building	The Water Conservation Garden													S	S
Water Treatment Plant wastewater reclamation and solids handling facilities	Helix Water District														S
Weather-Based Irrigation Controllers Rebate Program	Olivenhain Municipal Water District	S	S	P	P	S	S	S	S	S	S	S	S	S	S
Wesse Filtration Plant Capacity Expansion	City of Oceanaside														S
West Riparian Corridor project	Zoological Society of San Diego	S	S			S	S	S	S	P	S	S	S	S	S
Wetland Expansion Science & Technology Against Runoff (WESTAR II)	The Nature SchoolInstitute					S	S	S	P	S	S	S	S	S	S
Wing Avenue Flood Control Improvements	County of San Diego										P				
Woodside Avenue Drainage Improvements	County of San Diego											P			
Zoo Sewage Equalization tanks and Modification of Storm water Flow	Zoological Society of San Diego					S						S		S	S

Projects are listed alphabetically by project title. "P" indicates the primary water management strategy implemented by the project. "S" indicates secondary strategies implemented by the project.

This page is deliberately blank