

**SDIRWM Project Partner Forms  
September 6, 2012**

No.	Organization	Contact Name	Contact Information	General Services Provided	Interest and Capabilities in IRWM Projects
1	University of California Cooperative Extension/County of San Diego Farm and Home Advisor Department – Coastal Resources Program	Leigh Johnson	ljohnson@ucdavis.edu	Applied research, community-based education, unbiased research for problem-solving, Farm and Home advising.	Our interests and capabilities would integrate well with projects for Objectives A, B, C, F, H, I of the IRWM Plan. We can draw on expertise of UCANR's network of academic experts with diverse training and skills. We can coordinate with the County's LUEG departments and other organizations whose missions pertain to water management. The local UCCE Coastal Resources Advisor has expertise in research, community and Internet education, and stakeholder involvement related to environmental policy analysis, social sciences, and water recreation, pollution prevention, and aquatic invasive species management. UCANR colleagues have expertise in GIS, water supply management, etc.
2	Clear Creek Solutions, Inc.	Douglas Beyerlein, P.E.	Beyerlein@clearcreeksolutions.com	Hydrologic continuous simulation computer modeling of the water cycle for the entire San Diego Region to provide accurate estimates of available water for current conditions and climate change conditions to help to resolve conflicts between beneficial uses and provide optimum water usage.	Clear Creek Solutions provides hydrologic modeling software and expertise to San Diego County to meet NPDES MS4 permit requirements. We have the capability and interest to provide similar hydrologic modeling services to IRWM projects to assist in the identification of specific watershed-based priorities for implementation projects.
3	Rural Community Assistance Corporation (RCAC)	Dave Harvey	dharvey@rcac.org	Assistance with drinking water and wastewater issues within rural disadvantaged communities.	TBD
4	County of San Diego Department of Parks and Recreation	Trish Boaz	Mary.Niez@SDCounty.CA.Gov	<ul style="list-style-type: none"> <li>• Full range of acquisition services of open space land for preservation and restoration;</li> <li>• Potential matching funds for acquisition projects;</li> <li>• Potential project management of invasive removal and restoration projects on acquired open space land.</li> </ul>	<ul style="list-style-type: none"> <li>• Acquisition of open space land for preservation/conservation;</li> <li>• Restoration of open space land acquired for preservation.</li> </ul>
5	City of Poway	Kristen Crane	kcrane@poway.org	The City of Poway serves 50,000 residents within 39-square miles. The City is the water utility and wastewater utility. Poway purchases raw water and operates a water treatment plant to serve 14,000 connections. The City operates the wastewater collection system; wastewater is treated by the City of San Diego as part of the Metropolitan Wastewater JPA. Poway is within the Los Peñasquitos and San Dieguito watersheds. There are also several groundwater basins within Poway. Four percent of Poway's water supply is recycled water purchased from the City of San Diego for irrigation in the Poway Business Park.	<p>The City of Poway is interested in strategically partnering with other public agencies or non-profits to pursue projects that integrate the following goals:</p> <ul style="list-style-type: none"> <li>• Increasing water efficiency;</li> <li>• Stormwater pollution prevention;</li> <li>• Expansion of recycled water; and</li> <li>• Sustainable landscape design demonstration project to promote water efficiency and low-impact design features.</li> </ul>
6	Lakeside's River Park Conservancy	Robin Rierdan	robin@lakesideriverpark.org	Acquisition and restoration of land held by Helix Water District in areas associated with the El Monte Valley.	We are interested in holding and restoring this land and would be willing to work with the County of San Diego, and with the San Diego River as a part of a team.
7	The Escondido Creek Conservancy	Brent Alspach	balspach@gmail.com	The Escondido Creek Conservancy (TECC) is a local North County non-profit organization that is dedicated to the preservation of open space, water quality, and ecological health of the Escondido Creek watershed. TECC's primary mission is to purchase property from willing sellers within the watershed in order to maintain contiguous wildlife habitat, allow for the proliferation of native plants, and facilitate light-footprint recreation (e.g., limited hiking). In addition, TECC monitors the water quality of Escondido Creek and works with municipalities in the watershed to protect the creek from pollution such as illegal discharges and storm water runoff.	TECC is very interested in several types of water management projects, including those focused on water quality and education. As a partner in operating the Elfin Forest Interpretive Center (IC), TECC has the ability to link the watershed experience to environmental education by sponsoring programs for school children and adults. TECC is also working toward preserving endangered populations of southern steelhead in the creek. Accordingly, TECC has a water quality monitoring program, but is always interested in expanding the organization's sampling capabilities to compile more data on creek health. Invasive species removal along the creek is also a significant interest.

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8	Campo Band of Mission Indians	Melissa Estes	MEstes@campo-nsn.gov	The Campo Band provides all governmental services for the Campo Kumeyaay Nation. The Band's water department is housed with the Campo Environmental Protection Agency (CEPA). Services provided include all drinking water, watershed management, air quality, solid waste, and other environmental services.	The Campo Band has extensive experience in working cooperatively with contractors and federal government partners in completing water management and water infrastructure projects successfully.
9	EcoLayers, Inc.	Joe Purohit	Joe@EcoLayers.com	EcoLayers is a web-based software platform for integrated water planning, operations, maintenance, and regulatory compliance. It lets stakeholders create their own secure, shareable computing environment with advanced geospatial capabilities. The core functionality is already pre-configured, requiring little or no custom software development resulting in substantially lower costs. Customers can aggregate many different types of information from multiple sources, manipulate this content as necessary, and then share, visualize, and output the results for multiple users and uses. Custom analytics (models), workflows, and transactions can be integrated into the platform. Outputs can be customized reports, charts, statistics, and maps, among others.	<p>Much of the integration for IRWM projects seems to be happening conceptually (checking boxes) or in the form of stakeholder collaboration. Neither achieves the true integration that must occur at the data, process, and modeling/analytical levels across stakeholders, jurisdictions, and watersheds. Nor do current methods achieve the functional integration between water resources, water quality, waste water, land, and the intersecting ecosystems. EcoLayers will help IRWM project owners bridge this gap.</p> <p>EcoLayers has almost 25 customers. Its projects cover the full range of geographic scales: tree, parcel, commercial site, service area, watershed and aquifer, region, and global oceans.</p>
10	City of San Diego – Storm Water Division	David Wells	dwells@sandiego.gov	Storm Water Division Operations and Maintenance section provides storm drain and channel infrastructure maintenance, repair and replacement services for the City of San Diego. The Division also provides the City's street sweeping services. Storm Water pollution prevention section provides support for the City's Clean Water Act and Porter Cologne Act programs for the City of San Diego including performing most of the programs required by the San Diego Municipal Storm Water permits such as inspection, Storm Water Municipal Code enforcement, infrastructure build out, education and outreach, urban runoff monitoring and special studies.	<p>Storm Water Division is primarily interested in storm water pollution prevention programs which include one of the following elements:</p> <ul style="list-style-type: none"> <li>• Low Impact Development infrastructure testing, piloting, or implementation,</li> <li>• Pollution prevention education and outreach</li> <li>• Habitat restoration which abate or mitigates urban runoff, pollution &amp; erosion</li> <li>• Trash/solid waste source reduction and abatement</li> <li>• Pesticides and hazardous waste control, reduction and discharge abatement</li> <li>• Erosion control and Hydromodification impact mitigation</li> <li>• Non structural Best Management Practices such as water conservation</li> <li>• Irrigation runoff reduction and abatement of non storm water discharges to water bodies.</li> </ul>
11	The Nature Conservancy	Bill Tippets	btippets@tnc.org	Conservation planning for habitat and species (policy, GIS modeling and analyses, species-specific needs evaluations); habitat restoration; non-native species control (especially plants); water planning and hydrologic assessments; fund raising	Interested in partnering with other entities to implement projects that improve one or more of the following objectives: water conservation, biodiversity enhancement, urban forests, climate adaptation using ecological services.
12	Los Peñasquitos Lagoon Foundation	Mike Hastings	Mikehasting1066@gmail.com	Founded in 1983, the Los Peñasquitos Lagoon Foundation (LPLF) assists California State Parks in managing Los Peñasquitos Lagoon, a salt marsh preserve located within the Torrey Pines State Reserve. LPLF provides services that include: fund raising/grant writing, project/program development, education/outreach and coordination of watershed stakeholder involvement. LPLF is currently updating the LPL Enhancement Plan to provide guidance for the day-to-day management of lagoon environs and large-scale restoration/protection of the Lagoon's beneficial uses. LPLF is actively involved in the LPL Sediment Total Maximum Daily Load, which will implement a comprehensive and integrated watershed approach to restoring LPL's beneficial uses.	LPLF is interested in collaborative ventures that benefit the protection, restoration and enhancement of Los Peñasquitos Lagoon and its upland areas. Updating the Lagoon's enhancement plan will identify strategies and opportunities to protect its beneficial uses and regional importance as a coastal lagoon. The updated plan will also identify a large-scale restoration alternative selected through stakeholder input, scientific expertise, engineering, and fiscal realities. LPLF anticipates the updated plan to be completed in 2014 and fully permitted by 2016. The updated plan will compliment watershed efforts pursued by the City of San Diego and provide mitigation opportunities to interested parties.
13	City of Chula Vista	Roberto Yano	ryano@chulavista.gov	Municipal organization providing residents, business, industry and developers with development, engineering, planning, inspection services, as well as public works operation services. Responsible for maintaining roads, bridges, sidewalks, storm drain, channels, sewers, parks, open space areas, etc.	Coordinate / Collaborate with environmental groups and other agencies on design, cost estimates, construction and implementation of plans to assure consistency with IRWM goals. Serve as lead agency. Provide management, oversight, contract administration and public meetings.

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14	City of San Diego Public Utilities – Water Conservation	Kyrsten Burr- Rosenthal	krosenthal@sandiego. gov	Water Conservation and sustainability programs. Field staff knowledgeable in landscape, irrigation and basic interior plumbing. Presentation and training/teaching capabilities on landscape, irrigation and sustainability. Inspection capabilities for rain barrels, irrigation, landscape, interior plumbing. Rebate program management.	Interest in reducing water demand in the region through programs that reduce consumer water use or re-use of alternate water sources – rainwater, runoff, recycled water for industrial applications or irrigation.
15	San Diego Coastkeeper	Jill Witkowski	jill@sdcoastkeeper.or g	San Diego Coastkeeper protects and restores fishable, swimmable and drinkable waters in San Diego County.	Coastkeeper proposes to expand its volunteer program to identify and eliminate water pollution sources. We will recruit (or work with an existing volunteer base), train and manage volunteers to investigate pollutants of concern to partner groups. E.g., water quality testing to identify the source of a contaminant, observational patrols to record BMPs, or behavioral interviews to detect resident/business impacts. Coastkeeper will engage its legal, policy or outreach arm to work with the responsible party to eliminate or reduce pollution. Outcomes may include improved water quality, avoided cost of fines or cleanup and increased time-in-use of a local natural area.
16	Alter Terra, a project of Earth Island Institute	Jennifer Hazard, Director of Development	jhazardleonard@gmail .com	Alter Terra promotes and operates international charitable projects that include: <ul style="list-style-type: none"> <li>• scientific assessment of local conditions</li> <li>• science-based environmental conservation and infrastructure projects</li> <li>• conservation of natural resources through sustainable development</li> <li>• environmental preservation and conservation research, training and education</li> <li>• prevention and reduction of emissions that affect water, air and soil conditions</li> <li>• economic advancement through community capacity building and sustainable urban design practices</li> <li>• watershed-based, regional and bi-national planning and initiatives</li> <li>• natural systems design and ecosystem-based solutions</li> </ul>	Alter Terra is one of the few organizations that address regions as a whole. This leads to the development of globally transportable projects that can be duplicated in a multitude of environments. Our innovative, science-based procedures challenge local stakeholders and government agencies to change the status quo creating paradigm shifts in the way communities function. Alter Terra projects result in tangible outcomes such as changes to land-use codes, new public laws, conservation easements, and infrastructure projects that measurably reduce pollution flows and increase water quality.
17	San Diego Association of Governments	Beth Robrahn, Associate Transportation Planner	beth.robrahn@sandag .org	SANDAG leads the planning and design of bicycle and pedestrian improvements in the San Diego region. Projects identified as priority within the adopted regional bicycle network are beginning to be designed with intensive collaboration with communities. All of the priority projects will be completed (designed and constructed) within 10 years.	Emerging best practice in street retro fit design to provide safer facilities for pedestrians and bicyclists include methods to treat wastewater more sustainably while also enhancing the aesthetics of the street, thereby creating a more livable street. These practices will be applied to the design of the regional bicycle network. Partnerships to construct the improvements will be sought as part of the financing of the project design and construction.

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18	San Diego River Conservancy	Michael Nelson	mnelson@sdrc.ca.gov	The San Diego River Conservancy was established by an act of the California Legislature to preserve, restore and enhance the San Diego River. The Conservancy is an independent, non-regulatory agency within the Resources Agency of the State of California. The governing board consists of state and local representatives dedicated to the restoration and conservation of the River. The San Diego River Conservancy's Strategic Plan consists primarily of four programs: Land Conservation, Recreation and Education, Natural and Cultural Resources Preservation and Restoration; and Waster Quality	The Conservancy has become a leader in this region's efforts to develop a River Park that improves the health of the San Diego River; it seeks to focus efforts of the leadership of the State of California, the City of San Diego, the City of Santee, the County of San Diego; and equally important the San Diego River Coalition, which includes more than 70 community and conservation organizations SDRC has made great strides to restore this historic River by establishing a riparian corridor from its headwaters in the mountains to the Pacific Ocean, while connecting habitat conservation areas, parks and public open spaces in San Diego County's most populated watershed. It has secured a capital outlay of approximately \$22,000,000 which has been derived from an array of funding sources that has allowed SDRC to leverage investments in its four programs; those investments total \$19,000,000. Land Conservation \$9,003,000 Recreation and Education \$7,400,000 Natural and Cultural Resources Restoration and Preservation \$2,282,000 Water Quality and Natural Flood Conveyance \$330,000
19	Zoological Society of San Diego	Robyn Badger	RBadger@sandiegozoo.org	The not-for-profit Zoological Society is dedicated to connecting people to wildlife and conservation. The Society manages the San Diego Zoo, Safari Park, and Institute for Conservation Research. We have one of the largest and most comprehensive collections in the world, representing 7,500 animals of approximately 840 species. With 250,000 member households, an annual attendance of 5 million visitors and education program participation of 340,000 each year, the Society is a leader in conservation education. We seek to inspire change through immersive exhibits and hands-on education programs that motivate individuals to take action to protect and nurture the natural world.	The Society is committed to maximizing its water use and water conservation programs. The Park's water master plan includes 20 projects designed to improve its water quality, many of which are in need of funding. We provide free water conservation programs to disadvantaged schools, and provide interactive programs to Park visitors that inform them of various water management issues. We offer free admission to every school group in San Diego and offer children free admission in October. Additional outreach opportunities to disadvantaged communities include providing information about water conservation on Park signage, at community sites, and on our Website.
20	San Diego Sustainable Living Institute (www.SDSustainable.org)	Josh Robinson	Josh@SDSustainable.org	The San Diego Sustainable Living Institute provides hands-on classes in all aspects of living a more sustainable lifestyle. One of our main programs is training people how to design, install, maintain, and manage water in San Diego. We offer classes in greywater and rainwater harvesting (both active tank systems and passive systems such as rain gardens). We seek to demystify the concepts of rainwater and greywater harvesting while encouraging residents to take part in the restoration of our watersheds.	We have a team of experts in the water field that are teaching residents, contractors, and developers on the nuts and bolts of integrated water harvesting and design. Our water conservation program works two-fold. We offer free to low-cost classes for residents on single topic issues like how to install a laundry to landscape greywater system or rainwater harvesting tank, etc. We are also working to develop a more in depth certificate program to train people on designing and installing more holistic water management strategies and techniques.
21	Solana Center for Environmental Innovation	Bill Dean	Bill@solanacenter.org	The Solana Center is a nonprofit organization serving San Diego County and beyond. Our mission is to empower students and adults through education and action to become environmental stewards in their communities. Our program areas are broad in scope, addressing both regional and national issues, and include environmental education, pollution prevention, sustainable living and water protection.	Given Solana Center's extensive experience in delivering educational programs to diverse audiences, we are interested in collaborating with other organizations that are seeking to relay valuable information regarding storm water pollution prevention and the protection of water resources.