

Project Title:  
Project Contact (name and organization/agency):

**Proposition 50 Integrated Regional Water Management (IRWM)  
Project Proposal Form**

Detailed guidance on the Integrated Regional Water Management (IRWM) Grant Program can be found on the State Water Resources Control Board's Prop 50 Integrated Regional Water Management (IRWM) grant program web page at: <http://www.swrcb.ca.gov/funding/irwmgp/index.html>. Please familiarize yourself with the general requirements of this program before preparing and submitting a project proposal.

Completed forms should be submitted no later than December 1, 2004, either via email to [jon.vanrhyn@sdcounty.ca.gov](mailto:jon.vanrhyn@sdcounty.ca.gov) or mailed to the following location:

Jon Van Rhyn  
County of San Diego  
Watershed Protection Program  
9325 Hazard Way  
San Diego CA 92123

PHONE: 858-495-5133

FAX: 858-495-5263

**SECTION A – PROJECT INFORMATION**

<b>1. Project Title</b>	Implementation of Watershed Opportunities Assessment
<b>2. Contact Information</b>	
⊖ Agency/organization	San Diego Earthworks
⊖ Address	c/o Land Conservation Brokerage 4079 Governor Drive, #330 San Diego, CA 92122
⊖ Phone	858-452-2027
⊖ E-mail	<a href="mailto:ann@conservationbrokerage.com">ann@conservationbrokerage.com</a>
⊖ Submitted by (name & title)	Ann Van Leer, Project Manager, Rose Creek Watershed Opportunities Assessment
<b>3. Project Location (City/Community)</b>	Miramar MCAS, University City, Clairemont, La Jolla (eastern Mt. Soledad), eastern Pacific Beach and Mission Bay in the City of San Diego.
<b>4. Watershed (if multiple or regional, please indicate)</b>	Regional
<b>5. Amount Requested</b>	TBD (up to \$20 million)
<b>6. Match Information (a minimum 10% match is required for all projects):</b>	
⊖ Estimated match amount	TBD
⊖ Has a match been identified (y/n)?	TBD
⊖ If so, please identify the source(s)	Match funding will be identified from other public or private sources
<b>7. Status of Project (conceptual,</b>	The Rose Creek Watershed Opportunities

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<b>designed &amp; ready to build, CEQA completed, etc.)</b>	Assessment, funded by the Coastal Conservancy and Supervisor Pam Slater and with an MOU with the City of San Diego, will be completed by March of 2005. The project will result in a comprehensive assessment of existing conditions, opportunities and constraints for habitat protection, enhancement and restoration, protection of cultural resources and public access (recreation) improvements.
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**8. and 9. Project Description**

Many of our watersheds, including Rose Creek, share similar problems that could be addressed comprehensively with funding from this grant source. Unfortunately, not all the watersheds in the region are at a stage where they can immediately begin to implement projects as watershed planning processes are still underway. Yet, for many of our watersheds, these planning processes will be completed within the next six months to a year when they would be ready to begin implementation. We propose the creation of four regional funds under the IWMG that would serve all the watersheds in the region through a follow-up competitive grant process. Applicants seeking funding from these programs could be evaluated on (1) how well their projects align with the original IWMG grant criteria; (2) whether their projects are consistent with approved resource management plans (watershed/NCCP/stormwater, etc.) for their watershed and/or the region; (3) match (which could include in-kind) amount and (4) whether their watershed has a readily available alternative funding source for the same purpose. The projects are described below:

**1. Removal of Invasive Species  
Proposed Amount: \$5 million**

Invasive exotic species infestations can significantly alter hydrology, erosion and sedimentation, and degrade wildlife habitat and water quality conditions within affected areas. Invasive plant species are early colonizers of disturbed habitats and are often competitively superior to the native species. Many invasive plants species form dense monotypic patches that reduce available space for native species; as a result of the loss of habitat complexity, habitat for invasive exotic animal species is created. This fund could be used to remove invasive exotic species, with a primary focus along stream corridors.

**2. Reducing Habitat Loss  
Proposed Amount: \$5 million**

Habitat loss is considered to be the number one threat to conservation of biological diversity on a global scale, and on a regional scale, habitat conservation needs have been well recognized. These needs are being addressed through multi-jurisdictional Natural Community Conservation Program/Habitat Conservation Plan efforts focusing on conservation of habitat types and target species. Yet, this approach does not specifically link hydrologic functions or aquatic habitat needs with the conservation objectives. Therefore, it is essential that land and habitat resources along drainages and

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riparian fringe areas be considered for acquisition and restoration to serve multiple planning objectives. This fund could be used to evaluate opportunities to acquire, restore and preserve open space utilizing regional programs involving multiple partners. Multifunction habitat restoration opportunities (where parallel efforts are underway to enhance watershed functions) would also be encouraged.

**3. Reducing the Impacts of Human Modifications**

**Proposed Amount: \$5 million**

Human modifications (e.g. dams, stream channelization, culverts, roads, driveways, and urban development) to the surface water hydrology have been shown to result in higher flood elevations, increased flood frequency, loss of habitat, decreased groundwater recharge, and elevated base-flows from irrigation return flow and urban runoff. To address these issues, the primary contributors to the problem, land disturbance and impervious surfaces, must be addressed in a comprehensive and coordinated manner. This fund would be available to conduct hydrologic, hydraulic, sediment transport, and water quality analyses to estimate the significance of existing and future hydromodification impacts. The fund could also be used to develop acceptable engineering design guidelines and criteria for alternative methods of flood control (e.g., biotechnical stabilization techniques) and to implement these methods.

**4. Reducing Public Safety Problems at the Urban Interface**

**Proposed Amount: \$5 Million**

Human activities at the urban interface have created a special set of problems in many of our more urban watersheds. Some creeks and storm channels have become sources of a range of public safety problems as natural areas have become "tent cities" and creeks serve as a base for criminal activities. The result can be loss of general public use, loss of habitat, water pollution, trash accumulation, increased fire risk and increased crime. These are complex problems shared across all the watersheds with an urban interface. This fund could be used to comprehensively address these issues as part of an integrated watershed management program. Funds could be used for public safety assessments, debris and graffiti removal, and for the creation of neighborhood councils to comprehensively address fire and crime prevention along with habitat preservation. Projects should be in partnership with a public safety agency, such as the local police or fire department.

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**SECTION B – SUPPLEMENTAL INFORMATION**

**1. CWC section 79561 states that eligible projects must include one or more of the water management elements listed below (see Guidance Section III.C.). Please check all that apply to your proposed project.**

- (x) Storm water capture, storage, treatment, and management
- (x) Removal of invasive non-native plants, the creation and enhancement of wetlands, and the acquisition, protection, and restoration of open space and watershed lands
- (x) Non-point source pollution reduction, management and monitoring
- (x) Planning and implementation of multipurpose flood control programs that protect property; and improve water quality, storm water capture and percolation; and protect or improve wildlife habitat
- (x) Watershed management planning and implementation

**2. The Dept. of Water Resources (DWR) and State Water Resources Control Board (SWRCB) have established the statewide priorities listed below for guiding the selection of projects for funding (see Guidance Section II.E.). Please check all that apply to your proposed project.**

- (x) Implementation of Total Maximum Daily Loads that are established or under development
- (x) Implementation of Regional Water Quality Control Board Watershed Management Initiative Chapters, plans, and policies
- (x) Implementation of recommendations of the floodplain management task force, desalination task force, or recycling task force;