



bay restoration commission

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Santa Monica Bay Restoration Commission Meeting: April 17, 2008

Agenda Item: 9

To: Bay Commission

From: Shelley Luce

Subject: Proposition 12 Project Recommendations

Recommended Action

Staff recommends that the Commission vote to approve Resolutions 08-02 through 08-08 adopting the staff report and directing staff to submit the following projects to the California State Coastal Conservancy for approval of Proposition 12 funding:

1. Six hundred thousand dollars (\$600,000) to the Santa Monica Bay Restoration Foundation (SMBRF) for preparation of three Ballona Creek Watershed Studies: the Ballona Historical Ecology study, the Ballona Water Budget and the Ballona Greenway Plan.
2. Two hundred fifty thousand dollars (\$250,000) to the California Department of Parks and Recreation (CDPR) for preparation of the Malibu Creek Environmental Restoration Study.
3. One hundred thousand dollars (\$100,000) to the CDPR for the California Red-legged Frog Survey Project.
4. Two hundred thousand (\$200,000) to the LA Conservation Corps for the Beach Bluffs Restoration Project.
5. Three hundred twenty two thousand dollars (\$322,000) to Community Conservation International for the Green Solutions Project, Phase II.
6. One hundred thousand dollars (\$100,000) to Santa Monica Baykeeper for the Stone Canyon Creek Restoration Project.
7. One million dollars (\$1,000,000) to the City of Los Angeles for the Downspout Retrofit Program.

Executive Summary

The SMBRC Governing Board adopted a Proposition 12 Priority Project List at its April 2007 meeting. Staff was directed to work with potential project proponents to develop projects for funding using SMBRC's Prop 12 funds. Staff has worked with several

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potential grantees, and has developed the following list of nine projects for the Board's consideration and approval.

Staff recommends the Governing Board authorize up to \$2,572,000 for projects to improve coastal water quality and enhance habitat within the Santa Monica Bay Watershed and to implement the Santa Monica Bay Restoration Plan (the Bay Plan). The projects proposed for Governing Board action are described below. Project descriptions, site descriptions, budgets and environmental analyses are listed separately. Budgets are summarized in Attachment 1. Summaries of project information are in Attachment 2.

Project Descriptions

1. Ballona Creek Watershed Studies

i. Historical Ecology Study - The purpose of this study is to understand unique watershed characteristics that shape our current system and that can guide appropriate restoration work. This project requires extensive historical research as well as GIS mapping work and will result in a publication that elucidates the geologic, hydrologic and human development of Ballona Creek watershed. A similar report was produced by Eric Stein (SCCWRP), Shawna Dark (Cal State Northridge) and Travis Longcore (USC) for the San Gabriel watershed, and the same team will be contracted to produce the Ballona study. The study will identify historical reference points within the watershed, as well as factors that influence landscape change, including land use, climate, floods and fires. The study will help illuminate the factors controlling local habitats and how they change over time, and helps define restoration and management options for various locations and purposes throughout the watershed. Some of the historical research has been done or is underway by SMBRF staff and will be a significant in-kind contribution to this effort.

ii. Water Budget - The Ballona Creek watershed once had significant amounts of surface water present in the forms of springs, streams and wetlands. Few of the historical springs and wetlands remain and most have been buried and paved over. Similarly most surface streams have been buried underground or channelized in concrete, cutting off their natural connections to groundwater in the system. As a result, the watershed no longer benefits from the clean, natural flows that still exist within its storm drains and stream channels. This study will identify water inputs and outputs for the watershed, including mapping natural springs and identifying natural flows in storm drains and stream channels. The information will help guide restoration planning for the greatest water quality and habitat improvement benefits. It will help us understand where to place water treatment facilities and other BMPs, to ensure greatest benefit from treating stormwater rather than treating the cleaner, natural flows. This will contribute to more efficiently and cost-effectively meeting TMDL and stormwater permit requirements.

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iii. Greenway Plan - This project is needed to complete the Ballona Greenway Plan that was initiated by the Ballona Watershed Task Force. The Task Force has walked the length of the Creek main channel, identified priority Greenway projects, and complete preliminary design work. The outcome of this project will be final designs for portions of the Greenway including landscape guidelines for a Ballona-specific plant palette. Greenway planning has proceeded in close consultation with the MRCA and Baldwin Hills Conservancy (BHC) on their pocket park and bike path beautification plans, and will lead to possible future funding from the State Coastal Conservancy for implementation of the Greenway plans. SMBRF is working in collaboration with the City of LA, MRCA, BHC and Ballona Watershed Task Force members.

The Ballona Creek Watershed Studies address the following Bay Restoration Plan priorities:

- Restoration of Ballona Wetlands.
- Restore 100 acres of native watershed habitats (riparian/stream bank) located within a 200-foot buffer zone of local waterbodies.
- Develop and field-test interactive models to facilitate watershed planning and management decisions.
- Develop and implement guidelines for minimizing and mitigating ecological disturbances related to point and nonpoint source pollution.
- Develop management plans for priority sub-watersheds addressing land use, pollutant loading, and natural system components.

2. Malibu Creek Environmental Restoration Study

The Malibu Creek Environmental Restoration Study evaluates the various alternatives for the restoration of Malibu Creek with a focus on the potential for removal of Rindge Dam, the furthest downstream fish migration barrier in Malibu Creek (Fig. 1). The dam blocks the movement of endangered southern steelhead trout, which would otherwise have access to several miles of spawning habitat upstream of the dam. It also causes severe sediment imbalances leading to excess erosion and deposition problems upstream and downstream of the dam. The report is being prepared by the US Army Corps of Engineers (Corps). The California Department of Parks and Recreation (CDPR) is the local sponsor. The study will result in a Draft Feasibility Report which will include a recommended restoration alternative, CEQA/NEPA documentation, hydrologic, geotechnical, environmental, cultural, and economic analysis, and a complete summary of permit requirements. The report will then be distributed for public, state, and additional federal comment. Once finalized, the project will move into the detailed design and planning stage. The Commission has previously awarded \$375,000 in Proposition 12 funds to CDPR to fund a portion of the Feasibility Study. Depending on the availability of additional federal funding, the final report could be completed by Summer 2009. Completion of this report will make the project eligible for federal funding. Without this

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study, federal funds cannot be allocated for the project and consequently the costs of restoration would be borne entirely by state and local entities.

The Malibu Creek Environmental Restoration Study address the following Bay Restoration Plan priorities:

- Remove barriers to fish migration, wherever feasible. Investigate the environmental costs/benefits of removal of Rindge Dam.
- Restore 100 acres of native watershed habitats (riparian/ stream bank) located within a 200-foot buffer zone of local waterbodies.
- Increase access to 20 miles of potential steelhead habitat.

3. California Red-legged Frog Survey Project

The California red-legged frog (*Rana aurora draytonii*) (CRF) has been designated as Federally Threatened by the U.S. Fish and Wildlife Service (FWS). The proposed project addresses two of the four actions listed in the Federal California Red-legged Frog Recovery Plan as necessary to recover CRF numbers in the Santa Monica Mountains National Recreation Area: conduct focused surveys in the Santa Monica Mountains and implement site assessments and restoration programs to identify potentially suitable habitat prior to reestablishment of the frog. This authorization would allow California Department of Parks and Recreation (CDPR) to conduct focused CRF surveys and habitat suitability assessments covering more than 40,000 acres of CDPR land located within this core habitat area in support of the Red-Legged Frog Recovery Plan (Fig 2).

The California Red-legged Frog Survey Project addresses the following Bay Restoration Plan priorities:

- Restore 100 acres of native watershed habitats (riparian/ stream bank) located within a 200-foot buffer zone of local waterbodies.
- Develop management plans for priority sub-watersheds addressing land use, pollutant loading, and natural system components including sensitive habitats.

4. Beach Bluffs Restoration Project

The proposed project will build upon a successful SMBRC-funded beach bluff habitat restoration project in Redondo Beach by restoring an additional three acres of bluff habitat adjacent to a new Youth Center at Dockweiler Beach. The site is identified in the Beach Bluffs Restoration Project (BBRP) Master Plan, which was partially funded by SMBRC Prop 12 funds, as a priority restoration site due to its proximity to other native plant habitat supporting the federally endangered El Segundo blue butterfly, and the availability of large areas that are relatively undisturbed by foot traffic. The project will increase the ecological values of the bluffs and dunes through the removal of exotic vegetation such as ice plant, and replanting with native species such as dune buckwheat. It will contribute to the recovery of the El Segundo blue butterfly, provide habitat for unique and rare plants of the El Segundo dunes, increase biological connectivity

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between remnant populations of dune species, and support more diverse bird, reptile, and arthropod communities. The proposed project's proximity to the new Youth Center will enhance the education and community involvement aspects of the project (fig. 3).

The Beach Bluffs Restoration Project addresses the following Bay Restoration Plan priorities:

- Enhance and protect beach and intertidal habitats for threatened and endangered species.
- Increase in wetland/coastal habitat acres.

5. Green Solutions Project, Phase II

Phase I of the Green Solutions Project identified and quantified publicly-owned urban lands within LA County that could be used to treat stormwater runoff. This approach is necessary to help meet water quality goals and regulatory requirements through the infiltration or treatment of stormwater before it reaches Santa Monica Bay. The products of Phase I include a series of GIS-based maps depicting publicly-owned parcels within the Santa Monica Bay watershed, along with their sizes, general land uses and other features. Phase II is necessary to refine parcel data for selected land use categories; analyze hydrology and other parcel attributes related to suitability for stormwater infiltration/treatment; develop a ranking matrix to screen and prioritize candidate parcels for water quality project implementation; and develop concept designs for five high-ranking priority parcels.

The Green Solutions Project, Phase II addresses the following Bay Restoration Plan priorities:

- Develop and implement land use management tools. Develop and adopt policies which require new and private sector developments to significantly increase permeable surfaces in order to maximize infiltration.
- Develop and field-test interactive models to facilitate watershed planning and management decisions in the Bay watershed.
- Install storm water infiltration devices at high priority sites (based on pollution load and sensitivity of the target area) to achieve significant load reductions for pollutants of concern.

6. Stone Canyon Creek Restoration Project

This project builds on a 1.5-year restoration effort funded by the Southern California Wetland Recovery Project at the Westwood campus of UCLA (fig. 4). The previous effort removed non-native vegetation from 0.36 acres of the site. The proposed project will build upon that effort by conducting continued weeding to remove invasive vegetation, maintenance of existing plants, planting of new native vegetation, and the replacement of 8 exotic trees with native trees. The project will expand the restoration effort by approximately 0.25 additional acres along Stone Canyon Creek, making the

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total restored area approximately 0.60 acres. The grantee is partnering with UCLA's Institute of the Environment as well as community volunteers and UCLA students. The Stone Canyon Creek restoration will provide native habitat and restored stream function in the Ballona Creek watershed, and will greatly benefit the urban ecology of UCLA, a campus that has few natural features and is becoming increasingly built up due to extreme space constraints.

The Stone Canyon Creek Restoration Project addresses the following Bay Restoration Plan priorities:

- Restore 100 acres of native watershed habitats (riparian/ streambank) located within a 200-foot buffer zone of local waterbodies.
- Expand public awareness and knowledge of wetland protection and involve the public in related activities.

7. Downspout Retrofit Program

The City of Los Angeles will implement a Downspout Retrofit Program at a minimum of 600 of the 1600 properties in two primarily residential areas within the Ballona Creek watershed (Jefferson and Sawtelle sub-watersheds). The City will provide incentives to residents to install devices (biofiltration/retention planter boxes, rain barrels) to capture and infiltrate rooftop runoff on-site, and prevent runoff from entering Ballona Creek. The project is expected to significantly reduce the amount of precipitation that becomes polluted runoff during wet weather. The City will provide funding if retrofit or rain barrel installation is performed by property owners. Contractors will perform retrofits for owners who wish to participate, but do not want to perform the retrofits themselves. Prior to implementation, City staff will prepare program guidelines, informational brochures, and contract documents that detail all requirements.

This project was identified as a high priority project in the Ballona Creek Watershed Stormwater BMP Strategy and Implementation Project Report, completed in September 2005, and funded by the SMBRC.

The Downspout Retrofit Program addresses the following Bay Restoration Plan priorities:

- Install storm water infiltration devices at high priority sites (based on pollution load and sensitivity of the target area) to achieve significant load reductions for pollutants of concern.
- Implement source control and treatment BMPs including "hydraulic control" BMPs that reduce the volume of roof runoff entering storm drains.





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Site Descriptions

- 1. Ballona Creek Watershed Studies** (Ballona Creek Watershed Historical Ecology Study, Ballona Creek Watershed Water Budget, and the Ballona Greenway Plan) - These are planning and / or design documents that focus on various locations throughout the Ballona Creek watershed.
- 2. Malibu Creek Environmental Restoration Study** –A mixture of urban development and open space comprises the 110-square mile Malibu Creek watershed that drains into Malibu Lagoon and Santa Monica Bay. This study is focused on the area immediately upstream and downstream of Rindge Dam which is located approximately two miles north of Malibu Lagoon.
- 3. California Red-legged Frog Survey Project** – Riparian areas at multiple sites within The Santa Monica Mountains National Recreation Area (SMMNRA), which is part of CRF recovery unit 8, covering the Southern Transverse and Peninsular Ranges of Southern California. The recovery units were chosen for focused recovery either because they represent viable populations of frogs or because the areas have potential to contribute to habitat connectivity and increase opportunities for dispersal between frog populations.
- 4. Beach Bluffs Restoration Project** - The project area is located to the north and south of LA County Beaches and Harbors' new Youth Development Center at Dockweiler Beach. The project focuses on parts of areas 71 and 73 in the Beach Bluffs Restoration Plan (BBRP) and encompasses three acres. Area 73 is identified as a top priority restoration site in the BBRP Master Plan.
- 5. Green Solutions Project, Phase II** – This is a study/planning document. Various sites throughout the Santa Monica Bay watershed will be selected for BMP/retrofit concept designs.
- 6. Stone Canyon Creek Restoration Project** - Stone Canyon Creek is located on the Westwood campus of UCLA, At one time the creek cut a deep, meandering ravine across the western portion of the campus and featured a riparian corridor of native sycamores and willows. Soon after construction of the campus began in 1927, most of the ravine was filled, and by the 1940's much of the creek had been forced into underground drains. The Stone Canyon Creek Restoration Project will focus on the last remaining stretch of natural stream on campus. This portion of the stream is located behind the business management school.
- 7. Downspout Retrofit Program** - The targeted neighborhoods for this program in the Ballona Creek watershed are the Jefferson sub-watershed area bounded by Jefferson, Hauser, and Adams Boulevards and Fairfax Avenue and the Sawtelle sub-watershed bounded by Sawtelle, Pico, Barrington, and Stanwood.

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Environmental Benefits/Analysis

1. Ballona Creek Watershed Studies

i. Historical Ecology Study

The goal of the study is to identify potential locations and designs for restoration and management options in the Ballona Creek watershed, as well as constraints and controlling factors influencing habitats and water quality, and areas of susceptibility and resiliency in terms of ecosystem response to changes in conditions over time. The environmental benefit will be improved understanding of habitat and water quality restoration potential throughout the watershed.

ii. Water Budget

The impact on the environment will be an improved ability to select appropriate BMPs to take advantage of existing clean flows in the Ballona Creek watershed. This will lead to more cost-efficient and likely faster implementation of water quality improvement measures in the watershed, which will help meet TMDL and MS4 requirements and will result in improved habitat in Ballona Creek channel and estuary.

iii. Greenway Plan

This project results in detailed plans and construction documents for up to three sites on the Ballona Greenway. Implementation of those plans will be a high priority for the SMBRC and will result in improved habitat and water quality in Ballona Creek due to decreased impervious surfaces, increased native vegetation and water quality BMPs incorporated into Greenway plans. Public access to the Ballona Creek bike path will be enhanced by pedestrian- and bike-friendly design, and signs will educate the public about local ecology with a focus on the creek and wetlands.

Staff has determined that the Ballona Creek Watershed Studies are exempt from CEQA under Title 14 of the California Code of Regulations (CCR) Section 15262 (feasibility or planning studies for possible future actions which the agency, board, or commission has not approved, adopted, or funded).

2. Malibu Creek Environmental Restoration Study

This study is vital to the eventual restoration of Malibu Creek's ecosystem and its associated terrestrial and aquatic habitat, as well as the restoration of a crucial wildlife movement corridor within the watershed. The study is also considering the possible beneficial use of sediment removed at Rindge Dam for beach nourishment or other environmental restoration.

Staff has determined that the Malibu Creek Environmental Restoration Study is exempt from CEQA under Title 14 of the California Code of Regulations (CCR) Section 15262 (feasibility or planning studies for possible future actions which the agency, board, or

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commission has not approved, adopted, or funded).

3. California Red-legged Frog Survey Project

This project is an important step to facilitate effective management and recovery strategies deemed necessary to recover the federally listed threatened species to sufficient numbers to warrant delisting over all or parts of its historic range within the Santa Monica Mountains.

Staff has determined that the California Red-legged Frog Survey Project is exempt under Title 14 CCR Section 15306 (projects involving basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource).

4. Beach Bluffs Restoration Project

The multiple benefits of this project include the restoration of increasingly rare beach bluff habitat, erosion control, increased biological connectivity between remnant populations of dune species, and will contribute to the recovery of the federally endangered El Segundo blue butterfly (*Euphilotes bernardino allyni*) as well as other native species.

Staff has determined that the Beach Bluffs Restoration Project is exempt from CEQA under 14 CCR Section 15333 (projects involving the restoration of an area not to exceed five acres in size to assure the maintenance, restoration, enhancement, or protection of habitat for fish, plants, or wildlife provided that there would be no significant adverse impact on endangered, rare or threatened species or their habitat; there are no hazardous materials at or around the project site that may be disturbed or removed; and the projects will not result in impacts that are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).

5. Green Solutions Project, Phase II

This is a planning document that will quantify the amount of stormwater that can be treated using existing public lands in the Santa Monica Bay watershed, as well as potential benefit from some types of treatments on private lands. The impact on the environment will be more cost-efficient and effective implementation of water quality BMPs to meet TMDL and stormwater permit requirements, and therefore improved habitat and water quality in Ballona creek and estuary.

Staff has determined that the Green Solution Project, Phase II is exempt from CEQA under Title 14 of the California Code of Regulations (CCR) Section 15262 (feasibility or planning studies for possible future actions which the agency, board, or commission has not approved, adopted, or funded).

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6. Stone Canyon Creek Restoration Project

Immediate ecological benefits of this project include the removal of non-native plants and the reintroduction diverse native flora. Long term benefits include increased bank stabilization and erosion control, reduced strangulation of trees by non-native vines, and improved wildlife habitat due to a multi-layered canopy. The reintroduction of native plants is expected to attract additional bird and beneficial insect species.

Staff has determined that the Stone Canyon Creek Restoration Project is exempt from CEQA under 14 CCR Section 15333 (projects involving the restoration of an area not to exceed five acres in size to assure the maintenance, restoration, enhancement, or protection of habitat for fish, plants, or wildlife provided that there would be no significant adverse impact on endangered, rare or threatened species or their habitat; there are no hazardous materials at or around the project site that may be disturbed or removed; and the projects will not result in impacts that are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects).

7. City of Los Angeles for the Downspout Retrofit Program

The project is expected to result in a significant reduction in runoff and associated pollutants from entering Ballona Creek from the two targeted areas. Based on the typical level of imperviousness associated with each land use, the City has estimated that the annual average volume that will be eliminated prevented from discharging into Ballona Creek is 1,130,000 cubic feet. Significant reductions in key contaminants (bacteria, copper, lead, and zinc) are also expected.

Staff has determined that the Downspout Retrofit Program is exempt from CEQA under Title 14 CCR Section 15301 (projects involving the minor alteration of existing structures and facilities involving negligible or no expansion of an existing use).



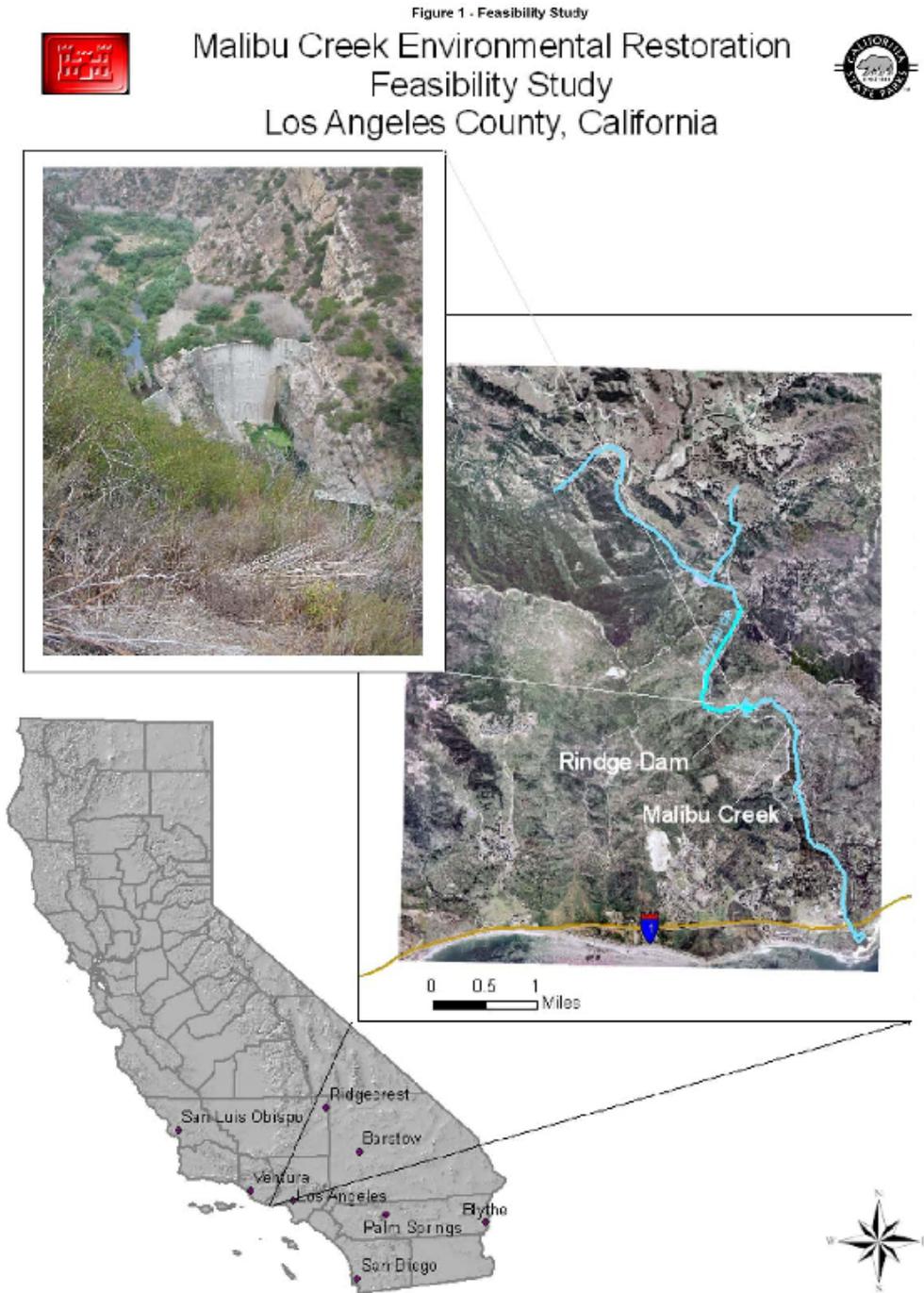


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Figure 1. Malibu Creek Restoration Study– Rindge Dam Removal Feasibility Study



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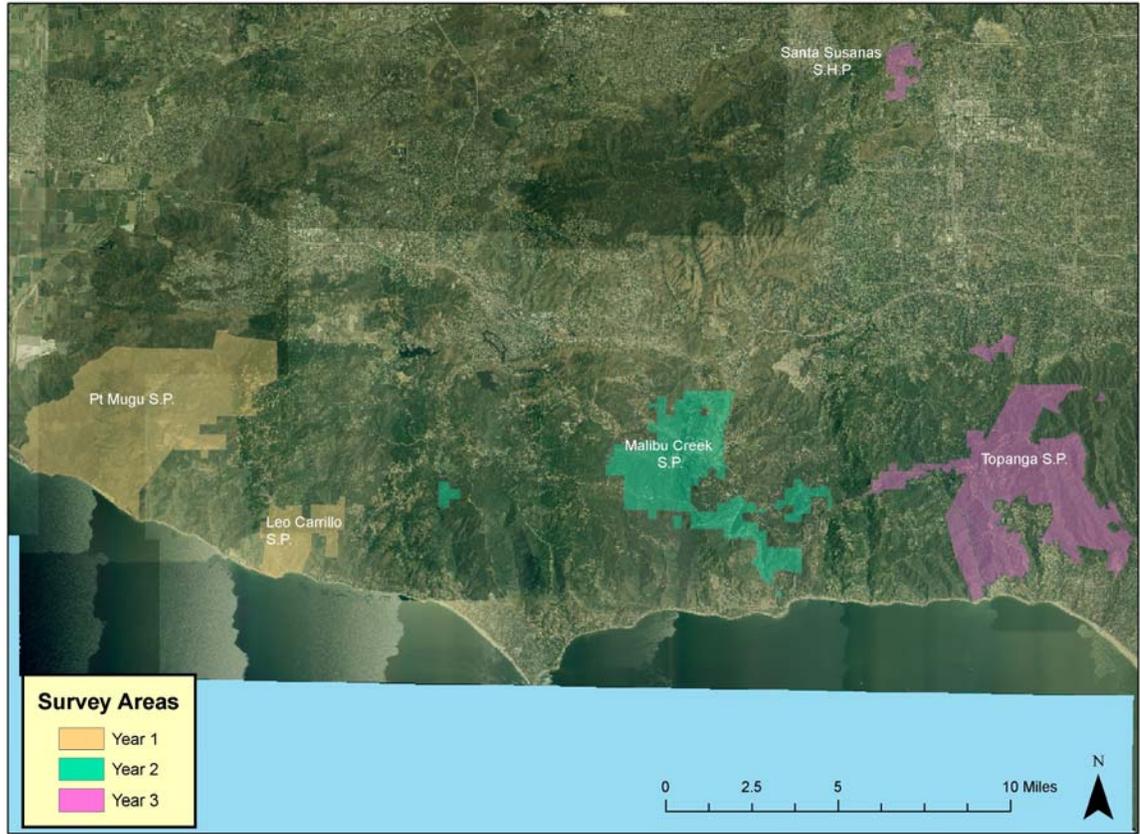
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Figure 2. California Red-Legged Frog Survey Project

California Red-legged Frog Habitat Surveys



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Figure 3. Beach Bluffs Restoration Project



Figure 3 – Beach Bluff Restoration

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Figure 4. Stone Canyon Stream Restoration Project



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Attachment 1. Summary Budgets for Proposed Projects

<i>Project</i>	<i>Tasks</i>	<i>Amount</i>	<i>Project Subtotals</i>
1. Ballona Creek Watershed Studies			
i. Historical Ecology Study			
	Stakeholder coordination, project management	\$10,000	
	Data acquisition and development	\$128,700	
	Mapping and analysis	\$90,500	
	Communication and reporting	\$29,000	\$258,200
ii. Water Budget			
	Project design and management	\$1,400	
	Assemble existing data	\$13,100	
	Monthly flow and WQ sampling	\$89,860	
	Modeling, mapping and developing recommendations	\$55,131	\$159,491
iii. Greenway Plan			
	Create cohesive Ballona greenway concept plan	\$25,000	
	Develop up to 3 sites for implementation	\$97,309	\$122,309
	Total indirect expenses	\$52,273	\$60,000
	Total Project cost		\$600,000
2. Malibu Creek Restoration - Rindge Dam Removal Study			
	Feasibility Study Completion	\$250,000	\$250,000
3. California Red-Legged Frog Survey			
	Field surveys (15 sites for 3 years)	\$75,000	
	Equipment and supplies	\$10,000	
	Grant management	\$15,000	\$100,000
4. Beach Bluffs Restoration Project			
	Personnel	\$145,105	
	Materials and supplies	\$20,545	
	Equipment	\$5,000	
	Indirect expenses	\$29,350	\$200,000
5. Green Solutions Phase 2			
	Refine Phase 1 analysis	\$21,063	
	Report on public health impacts	\$8,380	

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Geospatial analysis, ranking and prioritization	\$66,992	
Project concept designs	\$16,206	
Analysis on rights-of-way and private lands	\$60,844	
Report and Map production	\$59,164	
Project management, expenses and contingency	\$89,351	\$322,000
6. Stone Canyon Restoration		
Volunteer planting events	\$6,000	
Vegetation maintenance, irrigation, monitoring	\$84,000	
Equipment and supplies	\$10,000	\$100,000
7. Downspout Retrofit Program		
Residential Building downspout retrofit		
522 units @ \$875 per unit	\$483,000	
Non-residential Building downspout retrofit		
48 units @ \$1750 per unit	\$84,000	
Bioretention planters and rain barrels		
100 units @ \$1900 per unit	\$190,000	
Admin, contract documents, Engineering services, reporting	\$243,000	\$1,000,000
Total for all proposed projects		\$2,572,000

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Attachment 2: Project Summary Table

Title Timeline	Prop 12 Funding Proposed	Grantee	Environmental Benefits Analysis Summary	Corresponding BRP Actions
<p>1. Ballona Creek Watershed Studies</p> <p>Completion – June 2010</p>	<p>\$600,000</p>	<p>SMBRF</p>	<p><i>i. Historical Ecology Study</i> The environmental benefit will be improved understanding of habitat and water quality restoration potential throughout the watershed.</p> <p><i>ii. Water Budget</i> The impact on the environment will be an improved ability to select appropriate BMPs to take advantage of existing clean flows in the Ballona Creek watershed. This will lead to more cost-efficient and likely faster implementation of water quality improvement measures in the watershed, which will help meet TMDL and MS4 requirements and will result in improved habitat in Ballona Creek channel and estuary.</p> <p><i>iii. Greenway Plan</i> Implementation of detailed plans will result in improved habitat and water quality in Ballona Creek due to decreased impervious surfaces, increased native vegetation and water quality BMPs incorporated into Greenway plans.</p> <p>Staff has determined that the Ballona Creek Watershed Studies are exempt from CEQA under Title 14 of the California Code of Regulations (CCR) Section 15262. .</p>	<ul style="list-style-type: none"> • Develop and field-test interactive models to facilitate watershed planning and management decisions. • Develop and implement guidelines for minimizing and mitigating ecological disturbances related to point and nonpoint source pollution. • Develop management plans for priority sub-watersheds addressing land use, pollutant loading, and natural system components. • Restoration of Ballona Wetlands. • Restore 100 acres of native watershed habitats (riparian/ streambank) located within a 200-foot buffer zone of local waterbodies.

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<p>2. Rindge Dam Removal Feasibility Study</p> <p>Completion – June 2009</p>	<p>\$250,000</p>	<p>California State Parks</p>	<p>This study is vital to the eventual restoration of Malibu Creek's ecosystem and its associated terrestrial and aquatic habitat, as well as the restoration of a crucial wildlife movement corridor within the watershed. The study is also considering the possible beneficial use of sediment removed at Rindge Dam for beach nourishment or other environmental restoration.</p> <p>Staff has determined that the Malibu Creek Environmental Restoration Study is exempt from CEQA under Title 14 of the California Code of Regulations (CCR) Section 15262.</p>	<ul style="list-style-type: none"> • Remove barriers to fish migration, wherever feasible and investigate the environmental costs/benefits of removal of Rindge Dam. • Restore 100 acres of native watershed habitats (riparian/ streambank) located within a 200-foot buffer zone of local waterbodies. • Increase access to 20 miles of potential steelhead habitat.

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<p>3. California Red-Legged Frog Survey Project</p> <p>Completion – June 2010</p>	<p>\$100,000</p>	<p>California State Parks</p>	<ul style="list-style-type: none"> - facilitate effective management and recovery strategies necessary to recover the federally listed threatened species to sufficient numbers to warrant delisting over all or parts of its historic range 	<ul style="list-style-type: none"> • Restore 100 acres of native watershed habitats (riparian/ stream bank) located within a 200-foot buffer zone of local waterbodies. • Develop management plans for priority sub-watersheds addressing land use, pollutant loading, and natural system components including sensitive habitats.

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<p>4. Beach Bluffs Restoration</p> <p>Completion – June 2010</p>	<p>\$200,000</p>	<p>LA Conservation Corps</p>	<p>The multiple benefits of this project include the restoration of increasingly rare beach bluff habitat, erosion control, increased biological connectivity between remnant populations of dune species, and will contribute to the recovery of the federally endangered El Segundo blue butterfly (<i>Euphilotes bernardino allyni</i>) as well as other native species.</p> <p>Staff has determined that the Beach Bluffs Restoration Project is exempt from CEQA under 14 CCR Section 15333.</p>	<ul style="list-style-type: none"> • Enhance and protect beach and intertidal habitats for threatened and endangered species. • Increase in wetland/coastal habitat acres.
<p>5. Green Solutions Project, Phase II</p> <p>Completion – June 2009</p>	<p>\$322,000</p>	<p>Community Conservancy International</p>	<p>This is a planning document that will quantify the amount of stormwater that can be treated using existing public lands in the Santa Monica Bay watershed. The impact on the environment will be more cost-efficient and effective implementation of water quality BMPs to meet TMDL and stormwater permit requirements, and therefore improved habitat and water quality in Ballona creek and estuary.</p> <p>Staff has determined that the Green Solution Project, Phase II is exempt from CEQA under Title 14 of the</p>	<ul style="list-style-type: none"> • Develop and implement land use management tools. Develop and adopt policies which require new and private sector developments to significantly increase permeable surfaces in order to maximize infiltration. • Develop and field-test interactive models to facilitate watershed planning and management decisions in the Bay watershed.

Title Timeline	Prop 12 Funding Proposed	Grantee	Environmental Benefits Analysis Summary	Corresponding BRP Actions
			California Code of Regulations (CCR) Section 15262.	<ul style="list-style-type: none"> Install storm water infiltration devices at high priority sites (based on pollution load and sensitivity of the target area) to achieve significant load reductions for pollutants of concern.
<p>6. Stone Canyon Creek Restoration</p> <p>Completion – June 2011</p>	\$100,000	Santa Monica Baykeeper	<p>Immediate ecological benefits of this project include the removal of non-native plants and the reintroduction diverse native flora. Long term benefits include increased bank stabilization and erosion control, reduced strangulation of trees by non-native vines, and improved wildlife habitat due to a multi-layered canopy. The reintroduction of native plants is expected to attract additional bird and beneficial insect species.</p> <p>Staff has determined that the Stone Canyon Creek Restoration Project is exempt from CEQA under 14 CCR Section 15333</p>	<ul style="list-style-type: none"> Restore 100 acres of native watershed habitats (riparian/ streambank) located within a 200-foot buffer zone of local waterbodies. Expand public awareness and knowledge of wetland protection and involve the public in related activities.

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<p>7. Downspout Disconnect Program for the City of Los Angeles</p> <p>Completion – December 2009</p>	\$1,000,000	City of Los Angeles	<p>The project is expected to result in a significant reduction in runoff and associated pollutants from entering Ballona Creek from the two targeted areas. Based on the typical level of imperviousness associated with each landuse, the City has estimated that the annual average volume of that will eliminated from discharging into Ballona Creek is 1,130,000 cubic feet. Significant reductions in key contaminants (bacteria, copper, lead, and zinc) are also expected.</p> <p>Staff has determined that the Downspout Retrofit Program is exempt from CEQA under Title 14 CCR Section 15301</p>	<ul style="list-style-type: none"> • Install storm water infiltration devices at high priority sites (based on pollution load and sensitivity of the target area) to achieve significant load reductions for pollutants of concern. • Implement source control and treatment BMPs including “hydraulic control” BMPs that reduce the volume of roof runoff entering storm drains.