

**SANTA MONICA MOUNTAINS CONSERVANCY
GRANT APPLICATION**

Project Name: Los Angeles River Stormwater Capture and Habitat Enhancement Project	Amount of Request: \$250,000 Total Project Cost: \$478,901		
	Applicant Name: The Nature Conservancy	Matching Funds: \$82,471 Lat/Long: Silverlake Blvd. 34°6'32.88"N/118°15'22.38W Bowtie 34°6'30.63"N/118°14'44.65W	
Applicant Address: 445 South Figueroa Street Suite 1950 Los Angeles, CA 90071 Phone: 213-327-0104 Email: jill.sourial@tnc.org	Project Address:		
	County	Senate District	Assembly District
	(Silverlake Blvd.) Los Angeles County	24	43
	(Bowtie Parcel) Los Angeles County	24	51
Tax ID:		53-0242652	

Grantee's Authorized Representative:
 Jill Sourial, Urban Conservation Program Director (213) 327-0104

Overhead Allocation Notice:


- ✓ Any overhead costs will be identified as a separate line item in the budget and invoices.
- ✓ The Conservancy encourages grantees to reduce overhead costs including vehicle and phone expenses.
- ✓ The overhead allocation policy has been submitted prior to, or with, the grant application.

Outreach and Advertising Requirement:

- ✓ Applicant has read the staff report and board resolution regarding contract policies.
- ✓ Applicant has adopted contract policies for the purpose of increasing outreach and advertising to disadvantaged businesses and individuals.

All check boxes must be checked

Brief Project Description:
 TNC is seeking funding to create an engineering plan for a stormwater capture and habitat enhancement project at the Los Angeles River. We have previously completed a feasibility study and are near completion with design alternatives for two possible project sites: the Silverlake Boulevard Street End and California State Parks' Bowtie Parcel. Following the completion of the design alternatives (after the December 31 submission deadline), TNC will hire a consultancy firm to complete an engineering plan for the site with the best conservation outcomes. Please see the additional pages for details.

Tasks / Milestones:	Budget*	Completion Date
1 Project Design: Engineering and Permitting	\$388,372	Dec-2019
1 Indirect at Federally Approved NICRA Rate	\$90,529	Dec-2019
TOTAL TASK 1 BUDGET	\$478,901	Dec-2019
*A total of \$146,431 in non-matching project costs are shown to demonstrate full scope of task and will not be tracked or reported as match.		
For Acquisition Projects:	APN(s): N/A	
	Acreage: N/A	
I certify that the information contained in this Grant Application form, including required attachments, is accurate.		
	December 14, 2017	
<i>Signature of Authorized Representative</i>	<i>Date</i>	

LOS ANGELES RIVER

Habitat Restoration & Stormwater Capture Project Design Alternatives

The Nature Conservancy's Water Supply and Habitat Resiliency for a Future Los Angeles River: Site-Specific Natural Enhancement Opportunities Informed by River Flow and Watershed-Wide Action Study (funded by the Santa Monica Mountains Conservancy) was completed in December 2016. The Conservancy aims to undertake a pilot project at the Los Angeles River that seeks to demonstrate how stormwater management can accelerate restoration of native habitat and natural flow in the river.

STUDY AREA

The Study Area is in the Elysian Valley and Atwater Village area, and extends from the Los Feliz Boulevard Bridge to the upstream end of the G2 parcel. This area falls in Reaches 5 & 6 in the Army Corps of Engineers Los Angeles River Ecosystem Restoration Integrated Feasibility Report: Feasibility Study and Environmental Impact Statement and Environmental Impact Report (the ARBOR study). There are approximately 113 acres of river bottom and river-adjacent lands included within the Study Area that are potentially available for habitat restoration.



Study Area Along the LA River

DESIGN ALTERNATIVES

The Conservancy has engaged Mia Lehrer & Associates (MLA) and Geosyntec to prepare detailed Habitat Restoration and Stormwater Capture Project Design Alternatives focused on enhancing native vegetation and habitats along a portion of the Los Angeles River. The Design Alternatives will include (1) habitat restoration details, (2) in-depth analyses of hydrology and stormwater capture options, (3) public access opportunities, and (4) cost scenarios of each recommended project (3 price points of \$500,000, \$1,500,000, and \$3,000,000).

SITE SELECTION

Using a matrix of criteria including cost, operations and management, ownership, connectedness, scalability, replicability, modularity, public access, water supply and quality benefits, the Conservancy, MLA, and Geosyntec selected two sites within the Study Area to examine further, and to consider for a upland and in-channel conceptual design: Silver Lake Boulevard street end and California State Parks' Bowtie Parcel.

CALIFORNIA STATE PARKS' BOWTIE PARCEL

A potential location for testing and demonstrating stormwater management and restoration

Of the sites considered within the Study Area, the Bowtie Parcel offers one of the greatest opportunities to restore habitat along with co-benefits of stormwater capture and public access. The Conservancy's partnership with California State Parks also makes Bowtie an ideal location to begin developing a design for a potential project.

The graphic below illustrates preliminary concepts of how stormwater management and habitat restoration could occur on site at the Bowtie Parcel. Two stormdrains that collect water from the surrounding neighborhoods run directly under the northern lobe of the Bowtie Parcel property, and outlet into the LA River. The northern-most outfall could be closed off, and the water running through this existing pipeline could be daylit and diverted through a natural arroyo that meanders through the State Park site, and connects to the stormdrain outfall to the south.

The arroyo would be planted with southern California native vegetation, which would create essential habitat for riparian plant species and wildlife. The feature would not only manage stormwater and enhance habitat, but would simultaneously serve as an aesthetically-appealing educational feature that could be used as a model for other parks and open spaces.



Potential Stormwater Management and Restoration Strategy on the Bowtie Parcel