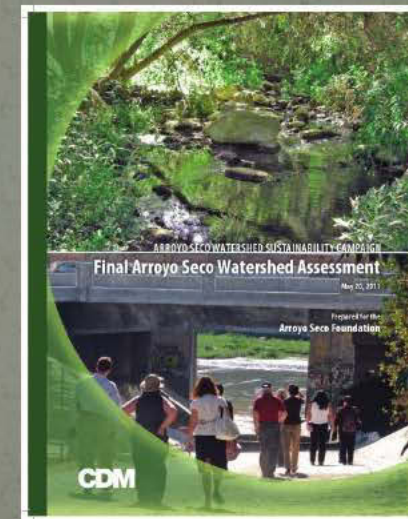




ASF Partnership Programs With Pasadena

Program	Amount
Arroyo Seco Earth Festival	\$250,000
BFI Lower Arroyo Restoration	\$7,000,000
AIDS Memorial Grove	\$20,000
1992 County Prop A	\$2,860,000
Arborist Training Program	\$800,000
Urban Tree-Planting Program	\$40,000
Lower Arroyo Caltrans EEMP	\$265,000
1996 County Prop A	\$1,000,000
AS Watershed Restoration Feasibility	\$540,000
USACE Arroyo Seco Ecosystem	\$700,000
Urban Streams Grant	\$1,000,000
AS Education Grant	\$231,000
AS Watershed Management & Restoration	\$250,000
AS Watershed Coordination	\$517,000
AS Watershed Sustainability	\$393,000
Central Arroyo Stream Restoration	\$1,931,000
Hahamongna IRWMP	\$3,273,000
Berkshire Creek Restoration	\$650,000
TOTAL	\$21,720,000



plus Arroyo_Seco_News, CASO, CASA, hundreds of volunteer & educational events

Hahamongna IRWM Project

What is IRWM?

Integrated Regional Water Management (IRWM) is a collaborative effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; involves multiple agencies, stakeholders, individuals, and groups; and attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions.

The Arroyo Seco Foundation has been participating in IRWMP since 2005 as a active member of the Upper Los Angeles River subregion.

Past Grant: Central Arroyo Stream Restoration



- CA Water Resources Control Board
- \$2.5 million grant
- Completed in the summer of 2008
- Award-winning collaboration



Grantee:

- Arroyo Seco Foundation

Partners:

- City of Pasadena
- CDM

The Return of the Arroyo Chub



The Central Arroyo Stream Restoration Program had five major components:

- Stream and Habitat Restoration South of Devil's Gate Dam
- Brookside Park Parking Lot Water Quality Islands
- Stream Reconfiguration and Backwater pools south of Rose Bowl
- Trail Improvements in the Central Arroyo
- Trash Capture Devices in storm inlets throughout Pasadena.

... A model for the IRWMP process

Water Quality Islands Near the Rose Bowl



GLAC Grant Application

Greater Los Angeles County Region

APPENDIX A

Hahamongna Basin Multi-Use Project –
Arroyo Seco Foundation

IRWM Implementation Grant Proposal
Proposition 84

January 2011

Approvals --

1. Upper LA River IRWM Committee
2. GLAC IRWM Leadership Committee
3. CA IRWMP (DWR)

The Arroyo Seco Foundation grant is the only IRWMP grant in Los Angeles County going to a non-profit organization.

- Invest in innovative water efficiency devices to conserve both potable and non-potable supplies
- Improve the operational efficiency of an interconnected multi-agency recycled water system

Project List

The following table provides an overview of the Proposal projects that includes an abstract of each project, the current status of each project in terms of percent completion of design, and the agencies involved in implementing the project.

#	Project Short Name	Abstract	Design Status (%)	Implementing Agency (Project Partners)
1	Hahamongna Basin Multi-Use Project	The Hahamongna Basin Multi-Use Project will increase water storage capacity in the Hahamongna Basin. This multi-benefit project incorporates features such as restoration of riparian habitat, installation of a public restroom, improved aquatic connectivity, relocation of facilities to expand stormwater retention, expansion of open space, water quality improvements, and expansion of recreational opportunities.	30%	Implementing Agency: Arroyo Seco Foundation, Project Partners: <ul style="list-style-type: none">• City of Pasadena Department of Public Works• Los Angeles County Department of Public Works• Raymond Basin Management District



Hahamongna Multi-Use Project

Table 7.1: Proposal Project Costs and Benefits Summary

Project	Agency	Total Present Value Project Costs	Total Present Value Project Benefits				Benefit/ Cost Ratio
			Water Supply	Flood Damage Reduction	Water Quality & Other	Total	
(a)	(b)	(c)	(d)	(e)	(f)	(g) (d) + (e) + (f)	(h) f/(c)
Hahamongna Basin Multi-Use Project	Arroyo Seco Foundation	\$7,340,486	\$50,567,382	\$0	\$689,771	\$51,257,154	6.98
Citywide Smart Irrigation Control System and Recycled Water Improvements	City of Calabasas	\$849,234	\$612,985	\$0	\$1,214,757	\$1,827,741	2.15
Storm Drain Improvements and Installation of Infiltration Chambers on Hawthorne Blvd	City of Hawthorne	\$10,603,033	\$0	\$0	\$0	\$0	0
Penmar Water Quality Improvement and Runoff Reuse Project	City of Los Angeles, Bureau of Sanitation	\$27,269,735	\$1,764,283	\$0	\$0	\$1,764,283	0.06

Project Administration

(a) Direct Project Administration Costs

Task 1: Administration

Administration tasks will include general Project management and supervision, budget tracking, coordination with partnering agencies, preparation of progress reports and preparation of invoicing. These tasks will be completed by a number of staff to include: Lead Project Supervisor, Project Managers, Support Staff, Design/Plans, Specifications and Engineers Estimate (PS&E) teams, and CEQA compliance/regulatory permit teams.



Project partner coordination will be accomplished through MOUs between the City of Pasadena, the LACFCD, and the Arroyo Seco Foundation.

The Arroyo Seco Foundation would enter into a MOU regarding compliance with Proposition 84 Implementation Grant requirements and terms of reimbursement payments with the LACFCD who would serve as the grantee for the Proposition 84, Round 1 Implementation Grant Funding. This MOU between the Arroyo Seco Foundation and LACFCD would be completed by January 2012.

Hahamongna Canyon Project –



Spillway at Headworks Facility

- Improve conditions for fish and aquatic life
- Upgrade precious habitat
- Enhance local water resources and improve reliability

Concept developed by ASF
for Urban Streams Grant application in 2008

Arroyo Seco Foundation Will Assist With:

- planning
- permitting
- design
- outreach
- public education
- implementation of the habitat restoration program



The Hahamongna Project will be a model of community involvement

Importance of Stakeholders to the IRWMP Process

What is IRWM?

Integrated Regional Water Management (IRWM) is a *collaborative* effort to manage all aspects of water resources in a region. IRWM crosses jurisdictional, watershed, and political boundaries; *involves multiple agencies, stakeholders, individuals, and groups*; and *attempts to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions.*

The Hahamongna IRWMP project is a defining test of the agencies commitment to collaborative, mutually beneficial solutions.



Tim Brick, Managing Director

www.arroyoseco.org

www.savehahamongna.org