



Los Angeles County Flood Control District, United States Army Corps of Engineers, and other Study partners

Invite you to attend the

ARROYO SECO ECOSYSTEM RESTORATION FEASIBILITY STUDY WORKSHOP

The Study proposes to identify opportunities for ecosystem restoration along 10 miles of the Arroyo Seco. The purpose of the meeting is to share the draft preliminary ecosystem restoration plans with the public and solicit feedback towards selecting the tentative National Ecosystem Restoration Plan.

Tuesday, November 15, 2016 at 6:30 pm – 8:30 pm

Pasadena Corporate Yards

Conference Room (2nd Floor)

233 W. Mountain St., Pasadena, CA 91103

For more information on this meeting, please contact Paul Shadmani at (626) 458-4388 or pshadmani@dpw.lacounty.gov



RAYMOND BASIN
MANAGEMENT BOARD

How to Be an Effective Advocate for Ecosystem Restoration

Basic information
and principles

Environmental Program

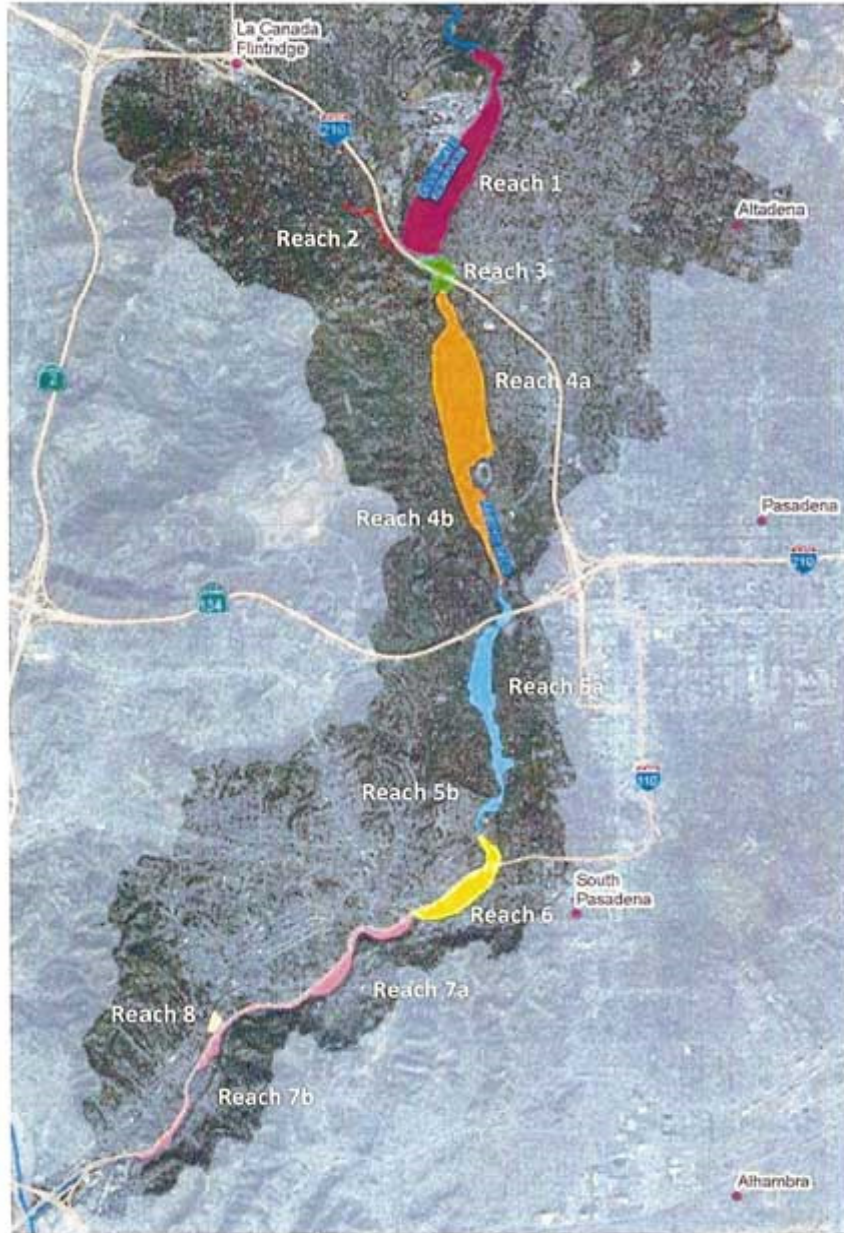


As the nation's environmental engineer, the U.S. Army Corps of Engineers manages one of the largest federal environmental missions: restoring degraded ecosystems; constructing sustainable facilities; regulating waterways; managing natural resources; and, cleaning up contaminated sites from past military activities.

The Corps' Arroyo Seco study began in 2001 and has been ongoing since then. The program has provided a thorough, scientific evaluation of issues and opportunities in the Arroyo Seco Watershed.

Now the Corps is preparing their Tentatively Selected Plan for ecosystem restoration in the Arroyo Seco. They have compiled a list of alternatives that are aimed at restoring ecosystem function and restoration of a more natural Arroyo Seco.

Study Reaches



Color	Reach No.	Name	Jurisdictions
Pink	1	Hahamongna Basin	City of Pasadena
Red	2	Flint Canyon Wash	City of La Cañada Flintridge
Green	3	I-210 Near Oak Grove	City of Pasadena
Orange	4a	Brookside - North	City of Pasadena
Yellow-Orange	4b	Brookside - South	City of Pasadena
Blue	5a	Lower Arroyo Park - N	City of Pasadena
Light Blue	5b	Lower Arroyo Park - S	City of Pasadena
Yellow	6	South Pasadena	City of South Pasadena
Light Pink	7a	Arroyo Seco - North	City of Los Angeles
Pink	7b	Arroyo Seco - South	City of Los Angeles
Tan	8	Sycamore Grove Park	City of Los Angeles

Focused Arrays



Low-Flow Channel

Maximize creating low-flow channel and day-lighting storm drains in study area; Grade control/bank control, habitat-creating measures. Armored back wall.



Notched Side Walls

Maximize creating low-flow channel in study area while modifying side channel walls; Grade control/bank control, habitat-creating measures. Structurally reinforced walls and armored landside slopes.



RCB Culverts with Low-Flow Channel

Maximize creating low-flow channel in study area; main channel in RCB culvert; Grade control/bank control, habitat-creating measures.



Floodplain Benching

Maximize removal of concrete to naturalize the streambed in study area; Grade control/bank control, habitat-creating measures.



Sheetpile Bank Protection with Floodplain Benching

Maximize removal of concrete to naturalize the streambed in study area while reinforcing banks with sheetpiles; Grade control/bank control, habitat-creating measures.

Key Definitions

- **Flood Plain Benching** – full stream restoration; flood channel removal
- **Low-Flow Stream** – a natural stream near the flood channel
- **RCB with Low-Flow Stream** – main flow in a buried concrete box culvert with low-flow stream above it
- **Habitat Units** – a measurement of the ecological value that a restoration project produces

Principles

Goal

Recreation/Ecosystem
Restoration

National Ecosystem
Restoration Program

Natural Channel
Bottom

Flood Plain
Buy-back

These are some principles for your consideration and advocacy recommended by the Arroyo Seco Foundation.

Goal

- The Corps' goal of ecosystem restoration should be the guiding principle for the Arroyo Seco restoration program.

Recreation/Ecosystem Restoration

- Recreational uses and parking should be accommodated where possible, but not to the detriment of stream and habitat restoration.

National Ecosystem
Restoration Program

- Projects that would qualify for the National Ecosystem Restoration Program should receive the highest priority.

Natural Channel Bottom

- In areas where the flood channel would remain, the program should establish a natural or soft bottom that contains appropriate habitat.

Flood Plain Buy-back

- LA County should consider a flood-plain buyback program to remove homes that are threatened by future floods. This would facilitate a more complete stream restoration approach through Reach 5b (the lower Lower Arroyo in Pasadena) and other reaches.





For more information, please contact:

Arroyo Seco Foundation

www.arroyoseco.org/corpsstudy.htm

(323) 405-7326