Albion Riverside Park Project
Approximately 9.4 acres on the east bank of the Los Angeles River between Spring and Main Streets in the community of Lincoln Heights in Council District 1.

Includes existing Downey Rec Center, and 6.4 acres of new park land – acquired former dairy warehouse and distribution site.
Project Delivery Timeline

MILESTONES AND TIMELINE

• DESIGN – Completed in April 2016

• CONSTRUCTION COMPLETION – DECEMBER, 2018

• GRAND OPENING – EARLY 2019
Water Quality Improvements:

- Identified as a Los Angeles City Proposition O-funded water quality project for improvement of water quality and subsurface elements.
Park Development:

- Grant Funding: Proposition 84 & Proposition K.
- Scope developed with community input and review.
- Complies with applicable requirements of the Cornfield Arroyo Seco Specific Plan (CASP).
- Complies with applicable guidelines in the Los Angeles River Revitalization Master Plan (LARRMP).
- Exceeds RAP Water Conservation Master Plan standards for irrigation efficiency:
  - Irrigated with recycled water from LADWP
  - Smart irrigation system
Relocated ball field
Relocated basketball courts
ADA Ramps
Ex. Rec Ctr.
Outdoor classroom
New Playground
New sports fields
Shaded Fitness area
Main entry plaza
Public parking
Albion Street
Spring Street Bridge
River & Train overlook
Bioswale area
(Los Angeles River)
PROPOSITION 84 GRANT-REQUIRED PROJECT ELEMENTS

Above Ground Improvements

- Multi-purpose Athletic Fields and 2 relocated basketball courts
- Athletic Field Lighting
- Walking Paths
- Shaded Fitness Area
- Playground & Picnic Areas
- Outdoor classroom
- Parking Lot with Permeable Paving
- LED Pathway Lighting
- Landscape and Irrigation
PROPOSITION K GRANT-REQUIRED PROJECT ELEMENTS

**Above Ground Improvements**

- ADA access to Downey Child Care Center
- Reconfigure baseball field
- Reconfigure access road and staff parking lot
- Landscape and Irrigation improvements
Aerial overview looking from north

(Los Angeles River)
Main entry plaza at Albion & 17th Street.
Main entry at bicycle parking area
Main walkway at fitness area with shade structure
Outdoor classroom area and bioswale
River walkway at bioswale looking south
UPDATES, QUESTIONS, COMMENTS

- **WEBSITE** – www.albionriversidepark.com
LOS ANGELES RIVER VALLEY BIKEWAY & GREENWAY DESIGN COMPLETION PROJECT

July 11, 2016

Presented by:
Michael Affeldt & Marcelino Ascensio
Mayor’s Office of City Services, LARiverWorks
LA River Valley Bikeway & Greenway
City of Los Angeles

LA River Revitalization Master Plan (City of LA) and LA River Master Plan (LA County) Goal:

Provide a continuous multipurpose path along the banks of the Los Angeles River.

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<td>Total Gaps (some in design)</td>
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LA River Bikeway & Greenway
City of Los Angeles

KEY
- Greenway/park
- Gap
- In-design/construction
- Greenway & bike path
- Orange Line Bike Path
The LA River flows through many communities with high childhood obesity.
LA River Bikeway & Greenway
Multi-Agency Support

- Mayor’s goal of miles of public access to the LA River
- City of Los Angeles River Revitalization Master Plan (Adopted 2007, CF 06-0186)
- Los Angeles County River Master Plan (Adopted 1996)
- City of Los Angeles Mobility Plan 2035 (Adopted 2015)
- Los Angeles County Bicycle Master Plan (Adopted 2012)
- Department of Transportation Great Streets for Los Angeles Strategic Plan (Adopted 2014)
- National Park Service – Juan Bautista de Anza National Historic Trail
LA River Valley Projects

- Los Angeles Riverfront Parks
  - Sepulveda Blvd. to Kester Ave.
    - Opened June 2015
  - Coldwater Canyon Blvd. to Whitsett Ave.
    - Broke ground June 2015

- Project Manager: Bureau of Engineering
  - Designer: Mia Lehrer + Assoc.
  - Client: Recreation & Parks

Mayor Eric Garcetti at the June 2015 Sherman Oaks greenway grand opening
LA River Valley Bikeway & Greenway
Gaps to Complete: 12 miles

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<table>
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<td>~$6M-$8M</td>
<td>~$60-80M</td>
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LA River Valley – Design Challenges
23 Roadway Intersections
Opportunities
Street Interface Points (SIPS)

- Access points
- Community beautification
- Stormwater capture
- Water quality benefits
- Native plantings
LA River Valley Bikeway & Greenway
Next Steps

- Proposals Submitted: March 2016
- Notice to Proceed: Summer 2016
- Feasibility Study Complete: 2017
LA River Valley Bikeway & Greenway Consultant Selection

- Community engagement and input
- Alignment selection
- Decision-making leading into design development
- Continuously seek construction grant funding
Contact information:
Nur Malhis
Project Manager
nur.malhis@lacity.org

Michael Affeldt
michael.affeldt@lacity.org
Los Angeles River Ecosystem Restoration Feasibility Study UPDATE

Presentation to the
Los Angeles River Cooperation Committee
Los Angeles, CA

Eileen Takata, Lead Planner/Public Involvement Specialist
Erin Jones, Project Biologist
Los Angeles District
U.S. Army Corps of Engineers

11 July 2016
Project Major Milestones

- 2 October 2015 – Final IFR/EIS/EIR released for State and Agency Review/Public Review
- 18 December 2015 – Chief of Engineer’s Report recommending authorization of project transmitted to Assistant Secretary of the Army for Civil Works (ASA(CW))
- 29 June 2016 – Los Angeles City Council certified CEQA and approved the Recommended Plan for implementation
Project Status Updates

- ASA(CW) and Office of Management & Budget (OMB) completing final administrative review
- ASA(CW) Ms. Jo Ellen Darcy to sign the Record of Decision (ROD) and submit report to Congress
- Congress to authorize project for construction in a Water Resources Development Act (WRDA)
- USACE and City of LA to execute a Design Agreement to start Pre-construction Engineering and Design (PED)
- USACE team scoping next steps (hydrologic and hydraulic modelling, geotechnical investigations, detailed design, plans & specifications)
Project Location

BUILDING STRONG – TOGETHER!
Project Purpose

To restore the LA River from Griffith Park to Downtown LA by:

- Reestablishing riparian habitat;
- Reconnecting the river to major tributaries, its historic floodplain, and regional habitat zones; and
- Providing recreation consistent with the restored ecosystem.
LA River Ecosystem Restoration

**Before**

- Restoration of rare southwestern riparian and aquatic habitats
- Potential to support **two (2) federally threatened & endangered species**
- Significant benefits to local and migratory species

**Significant Increase in Nationally - Critical Riparian Habitat**

**Increases in Connectivity**

- Restoration of natural hydrologic connectivity
- Restoration of floodplain connections
- Restoration of habitat nodes and movement corridors
- Opportunities for regional habitat connections
- Increased connection to the Pacific Flyway

**Holistic Watershed Approach**

- Linkage to other Watershed Ecosystems and USACE Projects
- Linkage with Los Angeles River Watershed’s Integrated Regional Water Management Plan
- Synergy with local planning for ecosystem restoration
Recommended Plan

**EQ**
- Generates 6,782 AAHUs
- Restores 719 Acres

**RED**
- Support over 19,000 jobs
- Generate nearly $5 billion in labor income

**OSE**
- Enhances public **health** and **safety**
- Enhances community **well being**
- Enhances social **connectedness**

**NED**
- Economically justified recreation plan compatible with the primary **ecosystem restoration** purpose

**Channel Widening**

**Verdugo Wash confluence restoration**

**Widening & Terracing**

**13 Daylighted Streams**

**Riparian Habitat Corridor**

**Side channels**

**Riparian Habitat and Widening**

**Arroyo Seco confluence restoration**

**Wetlands**

**Historic Wash & Riparian Habitat**

**Channel Naturalized & connected to marsh**
THANK YOU!

Eileen.K.Takata@usace.army.mil  (951)898-6174
Erin.L.Jones@usace.army.mil   (213)300-9723
Past, Present and Future of FoLAR

William Preston Bowling- Special Projects Manager
Los Angeles River Cooperation Committee – July 11th, 2016
27 Years of Taking Out The Trash

www.FoLAR.org
River Advocacy

www.FoLAR.org
Education Programs
Los Angeles River Rover
WWW.FOULAR.ORG
Los Angeles River changing course - Elysian Park circa 1900
Los Angeles River Fish Study

• There is abundant fish life in the River
• During 4 sampling events 1,214 fish were caught
• Mosquito fish and tilapia were most prevalent
• Almost undetectable levels of mercury and PCBs

Download at www.FoLAR.org
Long Beach Fish Study

- There is abundant fish life in the River
- Found a Native California KilliFish
- Almost undetectable levels of mercury and PCBs
FISHING RESULTS

Although several large stripped mullet were observed swimming, none were caught on any gear.
Carp – 20" TL, 3.2 kg Zino Nalasyii
CA Killifish - <20 mm, hand caught by Dobin Lee
in the shallows along the beach by the pipeline
Whole fish were frozen and were picked up by
Dr. Gossett.

WATER TEMPERATURE AND SALINITY

Water samples were collected at the bottom of the riffle complex just downstream of the Willow Street Bridge.
29°C at the start time (1400) and dropped to 28°C
with incoming tide and wind.
Salinity stayed at Oppt for the whole event.

Top: Dabin Lee (California State University Los Angeles) smiles at the camera as she catches a Killifish with her bare hands. Bottom: Fundulus parvipinnis (California Killifish)

"After all the thousands of dollars of professional gear hiked into the riverbed to collect fish, it takes a lone college student to summon the Native Fundulus parvipinnis (California Killifish) into her bare hands – by far, the most important catch of the day."

— Lewis MacAdams
Founder / President FoLAR

Photo by Peter Bennett
Save the Date!

Friends of the Los Angeles River

OFF THA’ HOOK
ANNUAL FISHING THROWBACK
since 2014

SEPTEMBER 3RD, 2016

Friends of
Los Angeles
River

Info & Registration: http://folar.org/event/off-tha-hook-fish-derby

Register Now...
...at FoLAR.org!

SPECIAL THANKS to our Sponsors & Partners

patagonia®

Rubio’s®

LOS ANGELES
ROD AND REEL CLUB

CALIFORNIA
STATE PARKS

laniverflyfishing
Fishing for carp, waiting for steelhead
Recreation Zones:
Glendale Narrows, Sepulveda Basin & Long Beach???
Lower Los Angeles River Working Group to develop a Lower LA River revitalization plan. By March 1, 2017, this working group is required to have developed a plan that addresses the unique concerns of the Lower LA River and will enhance/be incorporated into LA County’s currently existing LA River Master Plan.

AB 530 (Rendon) Working Group
Friends of the Angeles River

FOAR and partners succeeded, and now we are engaged with LA County Flood Control District looking at how to change vegetation maintenance practices not only in the estuary, but in all catchments that reach the County manages in the LA River watershed.
The story of the Friends of the Los Angeles River now runs through UCLA Library

The library’s special collections is the new home of the organization’s records

Dawn Setzer | September 02, 2014
Oasis on the River/Gathering Spot/Community Center for river lovers in the heart of Elysian Valley. The Frog Spot is open All Day Saturday & Sunday with Live Music every Saturday evening. DURING SUMMER MONTHS. We sell FoLAR souvenirs and packaged refreshments, offer bike repair & bocce ball.
FoLAR's Fishing Line Recycling Program

Attention, Anglers!
Please recycle used fishing line ...
Our wildlife depends on it!

Fishing on the L.A. River is limited to the Designated Recreation Zones ONLY!!!
For more information contact FoLAR at 523-223-0585

Look for FoLAR's Fishing Line Recycling Tubes along the LA River.
Help keep wildlife safe!
Lewis Mac Adams has had his eye on Piggyback Yard for over a decade.

A Vision of a Park on a Restored Los Angeles River

The New York Times

Lewis MacAdams and the area known as Piggyback Yard. He founded Friends of the Los Angeles River, which aims to return the river to a natural state.

By FRED A. BERNSTEIN
Published: September 28, 2010

LOS ANGELES — On a recent Monday morning, Lewis MacAdams, a 65-year-old poet, was standing on the roof of a sheriff’s department garage on the edge of downtown.

www.folar.org
FOLAR
Friends of the Los Angeles River
Celebrating 30 Years in 2016
ONE RIVER FOR ALL
Creating a Complete Los Angeles River Greenway: Stories and Guidance

UCLA Luskin School of Public Affairs
Luskin Center FOR INNOVATION
UCLA Luskin Center for Innovation’s LA River Greenway Guide:

• Recognizes the achievements of those who have successfully developed portions of the LA River Greenway

• Provides advice to those interested in advancing a continuous greenway in their community

Image Credit:
Rich Reid, The Trust for Public Land
Example Projects
COMMUNITY ACCESS
to the Los Angeles River

Photo credit: New York Times
Example Projects

- Duck Park
- North Valleyheart Riverwalk
- Improving Access in South Gate
- Elysian Valley Bikeway
- Improvements
PARKS along the LOS ANGELES RIVER

Image Credit: Meléndrez
Example Projects

Cudahy River Park
Marsh Park, Phase II
Maywood Riverfront Park
PATHWAYS along the LOS ANGELES RIVER
Example Projects

Los Angeles Riverfront Park
Valleyheart Greenway
The Zev Yaroslavsky LA River Greenway Trail
BRIDGES across the LOS ANGELES RIVER
Example Projects

Aliso Creek Confluence Bridge
Jewel at the Bend
La Kretz Crossing
Lessons Learned

Identify what the community wants: where are people already accessing the River?

*Example:* The LACFCD in partnership with the Village Gardeners constructed the N Valleyheart Riverwalk based on community usage.
Lessons Learned

Breaking a project into stages can demonstrate benefits early on and keep the community engaged.

Example: MRCA divided Marsh Park’s development into phases, making a small park available to the community early in project implementation.
Projects can often seem like a nuisance to a community in the early stages. **Engaging and empowering** the community from the beginning of project development is critical.

*Example: The River Project involved local school children in the design of the Valleyheart Greenway.*
Lessons Learned

Bridge projects of all sizes are costly. Communicating co-benefits of bridges is critical to secure funding and stakeholder buy-in.

Example: La Kretz Crossing is designed as a destination in and of itself.
CREATING A COMPLETE LA RIVER GREENWAY FOR ALL

Download the draft of the LA River Greenway Guide at
www.innovation.luskin.ucla.edu
Thank you

Kelsey Jessup, project manager
UCLA Luskin Center for Innovation
kjessup@luskin.ucla.edu

Photo credit: Mountains Recreation and Conservation Authority
Los Angeles Basin Study
The Future of Stormwater Conservation

July 11, 2016
Lee Alexanderson, P.E.
LA County Department of Public Works
LACFCD & A NEED FOR CLIMATE RESILIENCY

In an average year

\textbf{200,000 ac-ft of stormwater is recharged}
**Study Elements**

- **2013**
  - Downscaled Climate Change & Hydrologic Modeling
  - Water Supply & Demand Projections
  - Existing Infrastructure Response

- **2015**
  - Develop Stormwater Conservation Concepts
  - Tradeoff Analysis & Opportunities

---

**Los Angeles Basin Stormwater Conservation Study**
**Climate Change & Stormwater**

Variability in Average Annual Stormwater Runoff Volume
Areal Watershed Average for WY 2012-2095

- 50% of Projections
- Maximum Variation
- Ensemble Mean

Water Year:
- 2011
- 2025
- 2039
- 2053
- 2067
- 2081
- 2095

Percent Change:
- 250%
- 200%
- 150%
- 100%
- 50%
- 0%
- -50%
- -100%
FUTURE WATER SUPPLY & DEMAND

Future Potential versus Current Supply over time (2010-2095).

- **Future Potential**
- **Current Supply**

The chart illustrates the projected water supply (in Million Acre-Feet) for different demand scenarios (High, Medium, Low) and compares them with current supply levels. The graph shows a trend indicating a potential increase in supply demand over the years.
What do we **value** and what does **successful** stormwater capture look like in the **future**?
A DIVERSE STORMWATER PORTFOLIO

LA BASIN STUDY
CONCEPTUAL PROJECT GROUPS

Local Solutions
- Local Stormwater Capture
- Low Impact Development
- Complete Streets

Regional Solutions
- Regional Stormwater Capture
- Stormwater Conveyance Systems
- Alternative Capture

Storage Solutions
- LACFCD Dams
- Army Corps Dams
- Debris Basins

Management Solutions
- Stormwater Policies
- Green Infrastructure Programs
- Regional Impact Programs

Los Angeles Basin Stormwater Conservation Study

Reclamation • LACFCD • LACDPW | Los Angeles Basin Stormwater Conservation Study
Best Opportunities

Comparison of Stormwater Concept Project Groups

- **LACFCD Dams**
  - High Climate Projection: $100 to $480/AF
  - Low Climate Projection: $7,800 to $11,500/AF

- **Stormwater Policies**
  - High Climate Projection: $7,500 to $10,900/AF
  - Low Climate Projection: $7,500 to $11,000/AF

- **Green Infrastructure Programs**
  - High Climate Projection: $7,700 to $11,200/AF
  - Low Climate Projection: $7,700 to $11,200/AF

- **Low Impact Development**
  - High Climate Projection: $7,700 to $11,200/AF
  - Low Climate Projection: $900 to $2,100/AF

- **Regional Stormwater Capture**
  - High Climate Projection: $900 to $2,100/AF
  - Low Climate Projection: $900 to $2,100/AF

AFY (Annual Flow Year)
A TOOL FOR FUTURE PLANNING
Los Angeles Basin Stormwater Conservation Study

http://www.usbr.gov/lc/socal/basinstudies/LABasin.html

LACFCD Contact:
Lee Alexanderson, P. E.
County of Los Angeles
Department of Public Works
Los Angeles County Flood Control District
Watershed Management Division
(626) 458-4370
lalexanderson@dpw.lacounty.gov

Reclamation Contact:
Jack Simes, Planning Officer
Department of the Interior
Bureau of Reclamation
Lower Colorado River Region
Southern California Area Office
(951) 695-5310
jsimes@usbr.gov
Project Evaluation Form and Water Focus Group Update

July 11, 2016
Los Angeles River Cooperation Committee Meeting
Evelyn Cortez-Davis
Los Angeles Department of Water and Power
Background

* LARCC and Staff Focus Group discussions on water budgeting for LA River Projects

* Adaptive Management Team needed

* Water Focus Group formed as a subset to the LARCC Staff Focus Group
Water Focus Group

Purpose

* Discuss LA River water supply impacts by project

* Inform US Army Corps of Engineers’ Adaptive Management Process

* Make recommendations to Staff Focus Group
Water Focus Group Objectives

* Update Project Evaluation form
* Review existing project water demands
* LA River Ecosystem Restoration Project:
  * Support technical analysis
  * Fulfill City’s role in Adaptive Management
Water Focus Group Roster

- Office of the Mayor
- LA Department of Water and Power
- LA Sanitation
- Bureau of Engineering
- Recreation and Parks
- LA County Department of Public Works
- US Army Corps of Engineers

Meets Quarterly and As-Needed

13 Participants Total
* Reviewed purpose, objectives, and logistics

* Agreed LADWP will coordinate

* Discussed “Project Evaluation Form” edits
Project Evaluation Form
Proposed Revisions Include:

* Water supply assessment
* Flood management
* Identify groups benefiting from project
* Potential right-of-way encroachment
* Impact on local economy, jobs, and businesses

Reviewed by Staff Focus Group on June 16, 2016
Staff Focus Group Recommendation:

LARCC to provide feedback on revised *Project Evaluation Form* as submitted by the Staff Focus Group.

Consideration for approval by October meeting.
Questions?