





AB 466 Upper Los Angeles River and Tributaries Revitalization Plan

Working Group Meeting 4
March 28, 2019

Santa Monica Mountains Conservancy

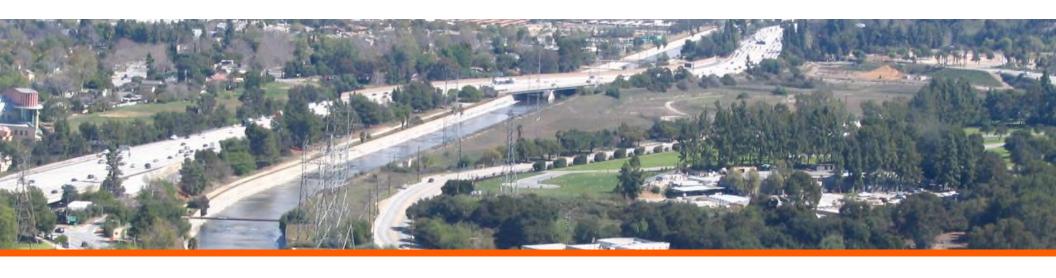
Meeting Agenda

- 1. Call to Order.
- 2. Administration of Oath of Office.
- 3. Roll Call.
- 4. Approval of minutes.
- 5. Comments from Members of the public on items not on the agenda and public testimony on all agenda items.
- 6. Reports from the Water & Environment and People & Recreation Committees.
- 7. Staff update.
- 8. Consideration of Resolution to adopt universal typologies for the revitalization plan
- 9. Polling activity, project attributes by tributary
- 10. Presentation by the State Water Resources Control Board regarding the Los Angeles River Flows Project.
- 11. Member comments on items not on the agenda
- 12. Adjournment



Item 1. Call to Order





Item 2. Administration of Oath of Office



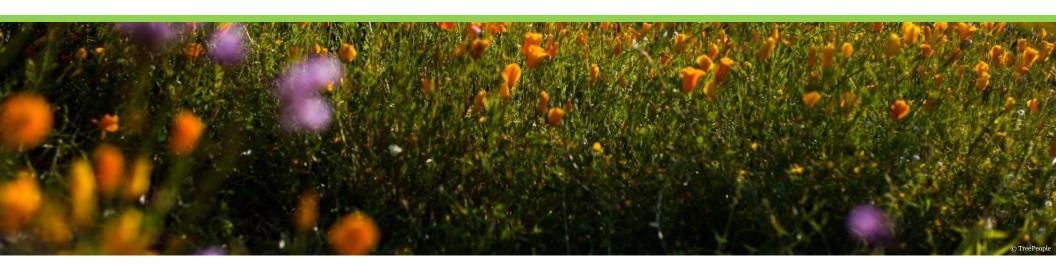


Item 3. Roll Call





Item 4. Approval of Minutes



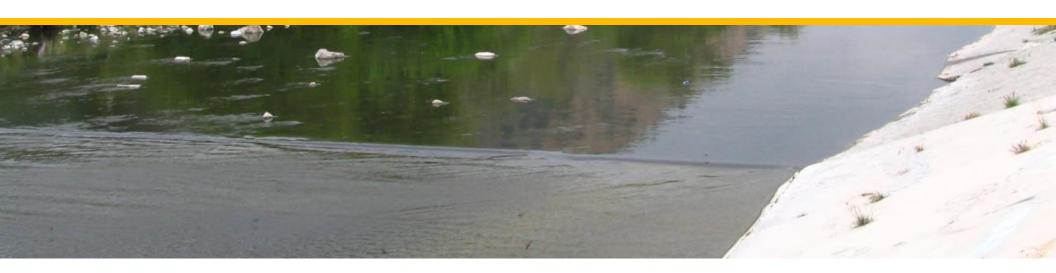


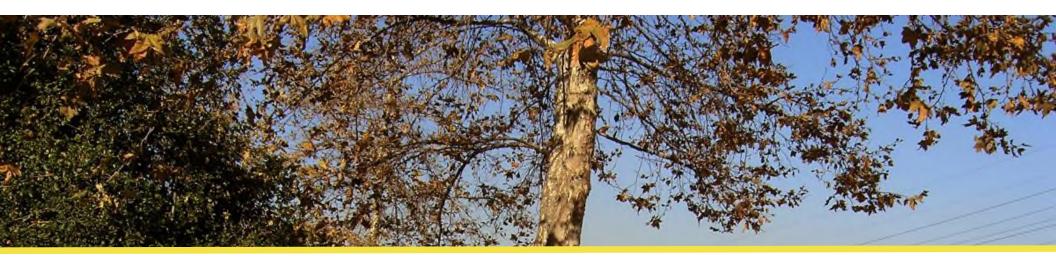
Item 5. Comments from members of the public on items not on the agenda and public testimony on all agenda items





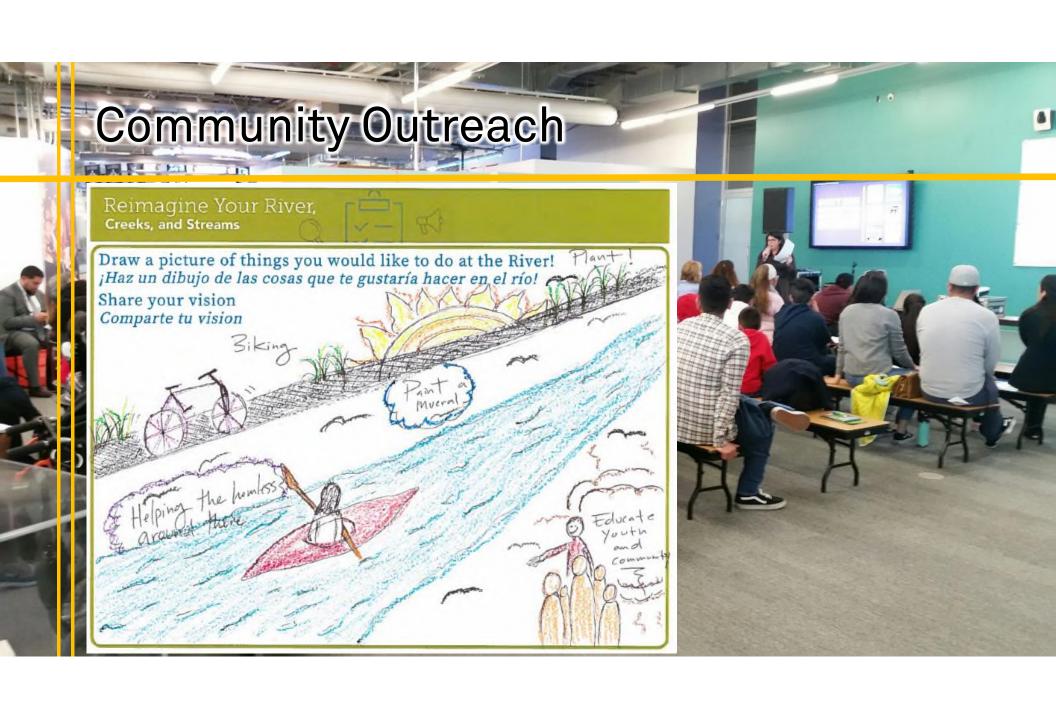
Item 6. Reports from Water & Environment and People & Recreation Committee

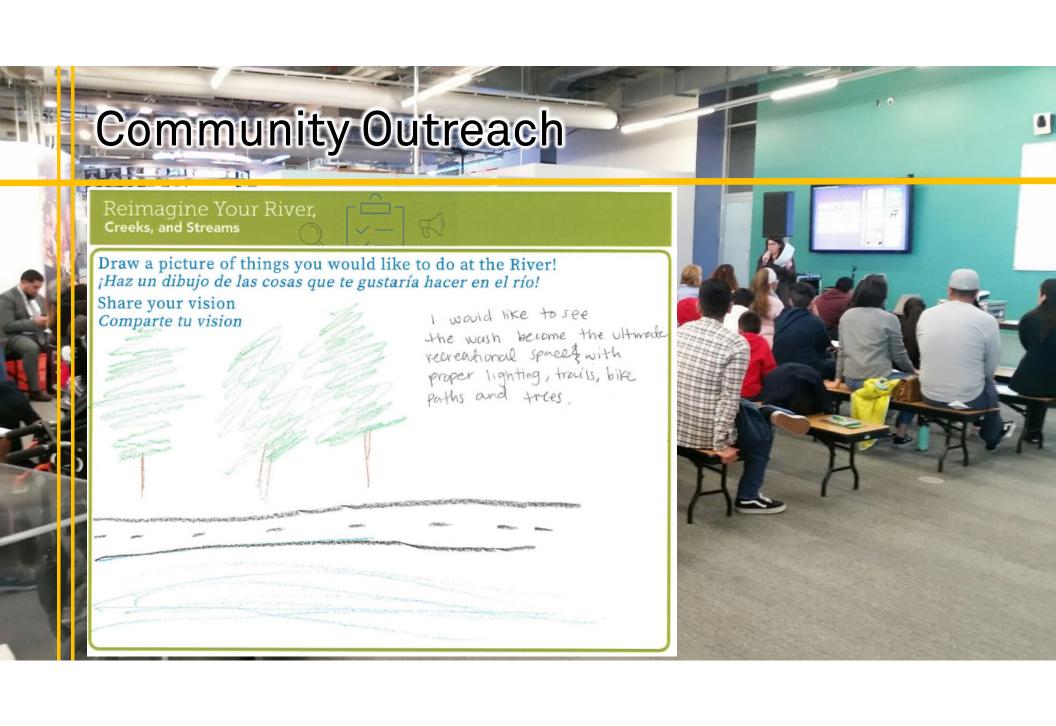


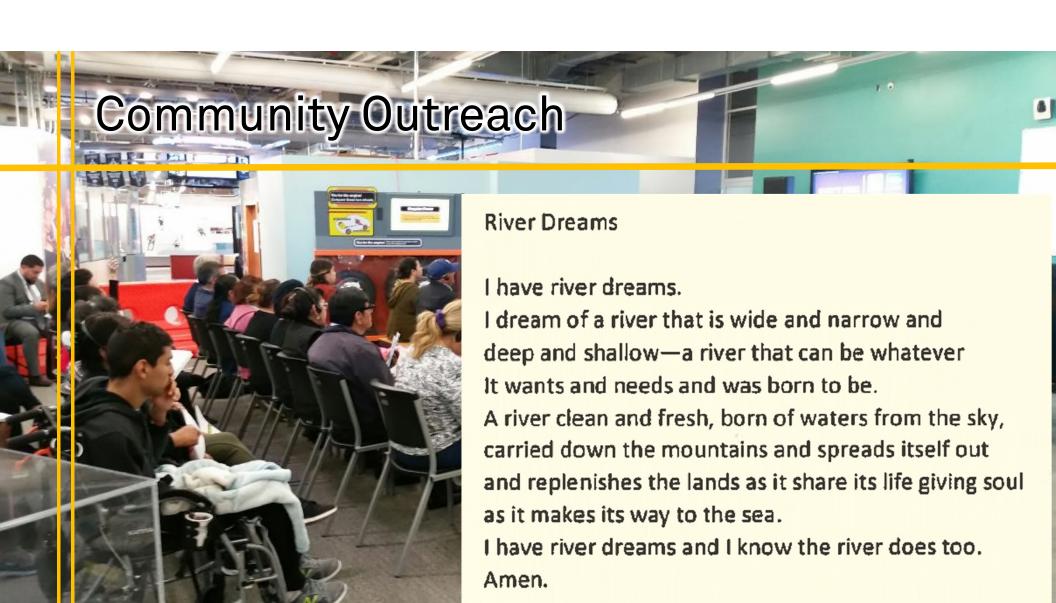


Item 7. Staff Update









Revitalization Plan for the ULART Draft Outline

The Plan (50-100 pages)

Purpose: Provide Actionable Outcomes and Workplan for Continuous Improvements Tech. Appendix (500+ pages)

Purpose: Document the Guiding Principles and Framework

Draft Revitalization Plan Sections

Executive Summary

Table of Contents and Front End Material

- 1. <u>Introduction and Story of the Tributaries</u>
 - + History
 - + Purposes/Goals + Objectives
 - + Analysis, Gaps, Regional Profile (Extent, Communities, Watershed)

2. Process & Outreach

- + Tributary and Project Selection (related to objectives)
- + Community Process

3. Revitalization Plan

- + Tributary-specific profile (maps, demographics, environment)
- + Project design highlights

4. Governance & Implementation

- + Phasing
- + Advocacy
- + Partnership

What Else Needs to be Added?

Draft Revitalization Plan Sections-Technical Appendix

A. Guiding Principles and Framework (Methods)

- + Goals and Objectives
- + Baseline Conditions
- + Planning Framework (Prioritization Criteria)
- + Community Engagement Plan

B. Summary of Community Feedback (Results)

- + Materials created for outreach
- + Responses from outreach
- + Event summary forms

C. Multi-Benefit Revitalization Opportunities (Results)

- + Project, Tributary, and Plan Report Card
- + Highlighted Project Concepts Supporting information
- + List of all Opportunities for Enhancement and Revitalization

What Else Needs to be Added?

Project Status Update

Working Group Meeting Date	OBJECTIVE
March 2019	Identify Priority sites and Opportunities
May 2019	Project Concept Development
July 2019	Develop ULART Revitalization Plan
September 2019	Vote on ULART Revitalization Plan

Project Status Update



Community Engagement Plan

Community Outreach



Item 8. Consideration of Resolution to adopt universal typologies for the revitalization plan



Goal

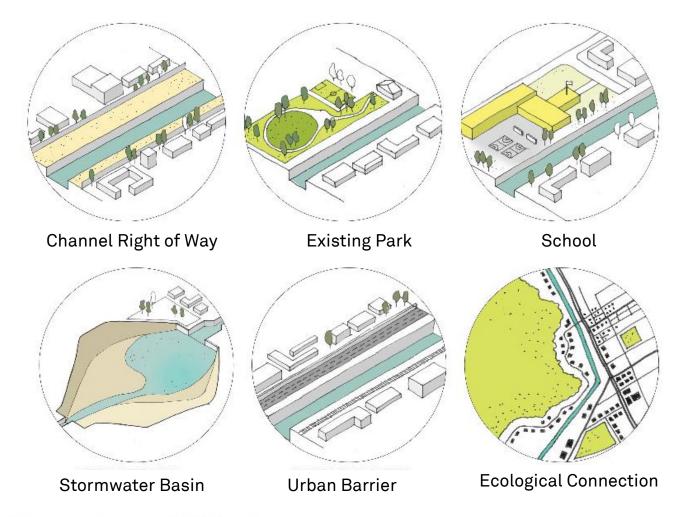
Explain, and get Working Group approval for, using typologies as a planning tool

Typology /tīˈpäləjē/

Definition:

- 1. The study of or analysis or classification based on types or categories¹.
- 2. Represent one kind of attribute or several and need include only those features that are significant for the problem at hand².

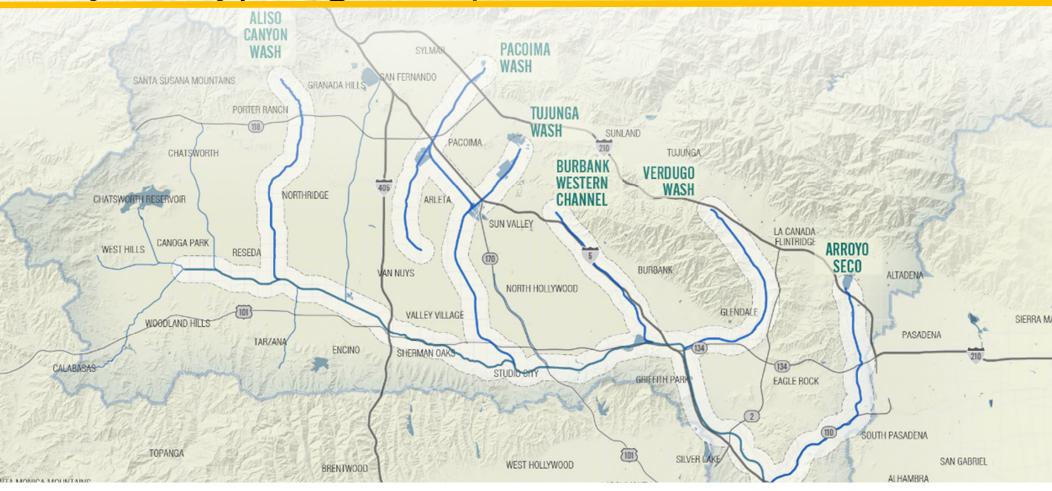
1. https://www.merriam-webster.com/dictionary/typology; 2. https://www.britannica.com/science/typology

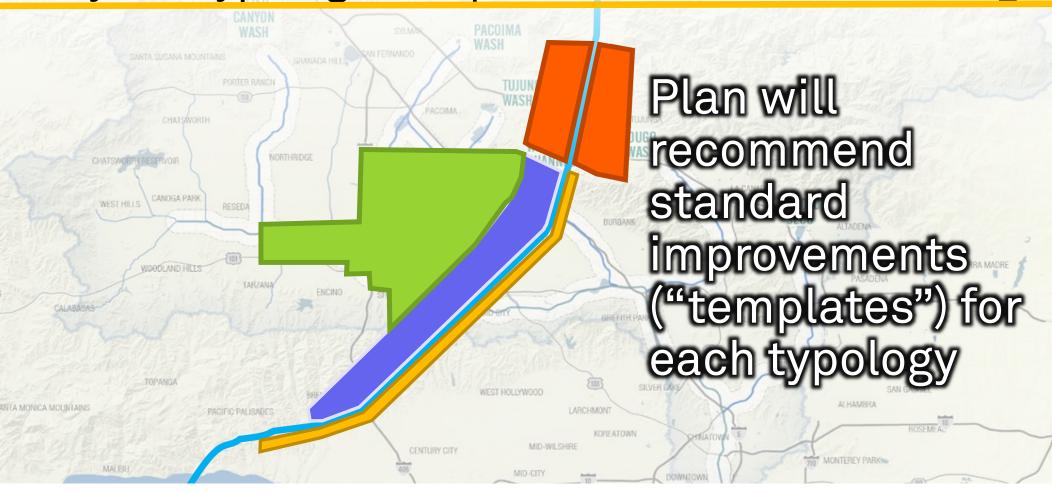


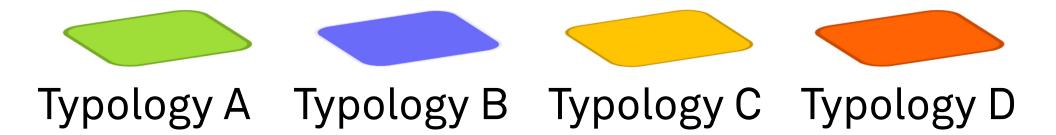
OPPORTUNITY SITE LAND TYPOLOGIES

Other Recommended Typologies

- **+Utility Easements**
- +River Confluences
- +Others...?

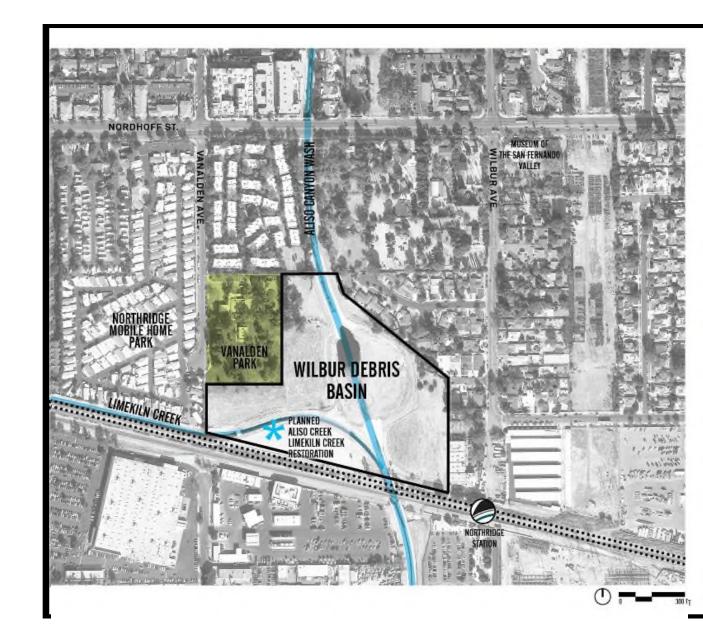


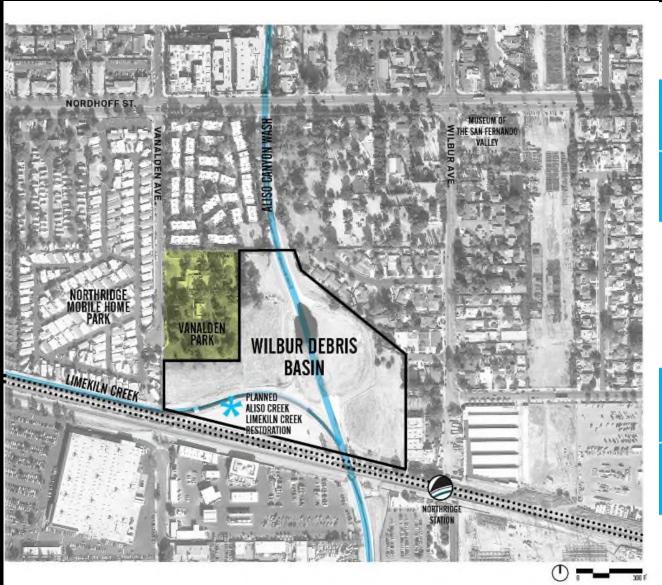




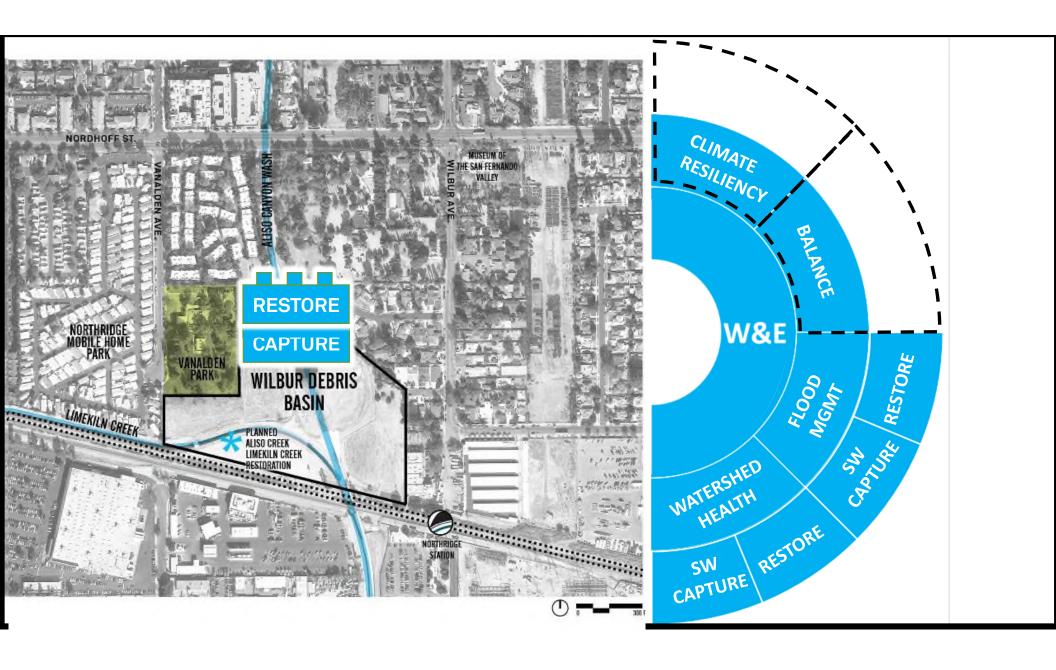
WILBUR DEBRIS BASIN

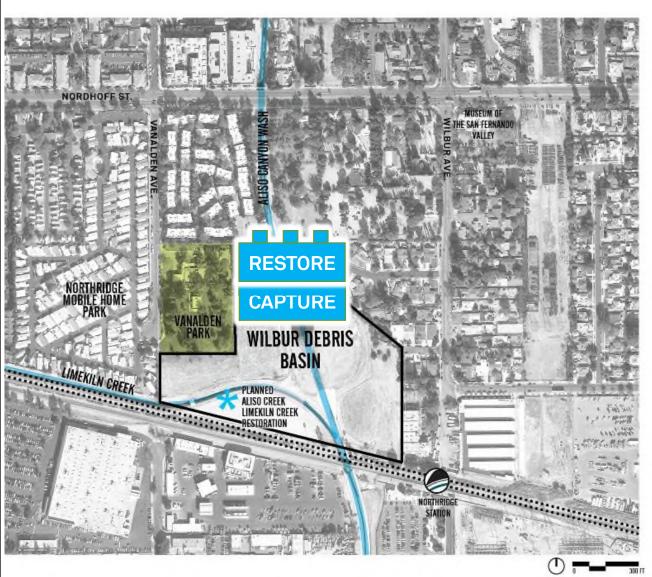
- + Aliso Canyon Wash
- + Publicly Owned Land
- + Tributary Adjacent
- + Portions Already Planned
- Comment from November Committee Meeting

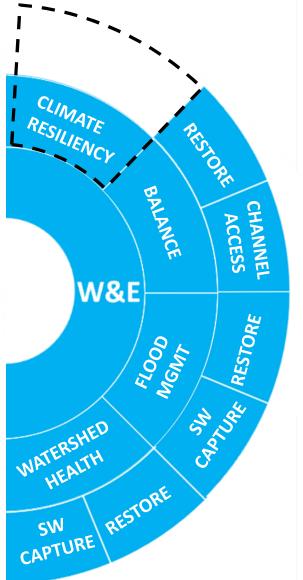


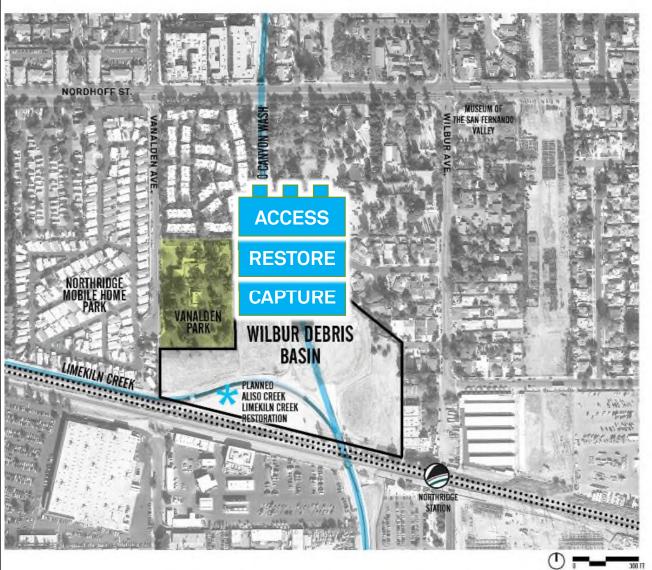


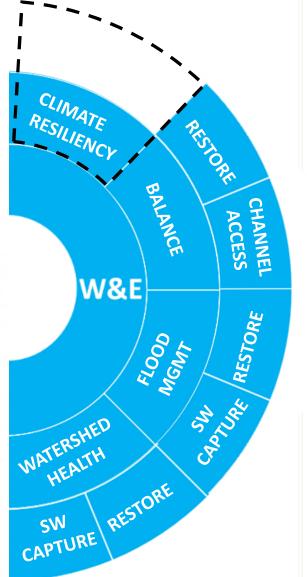
CLIMATE
RESILIENCY W&E PLOOD MGMT WATERSHED HEALTH

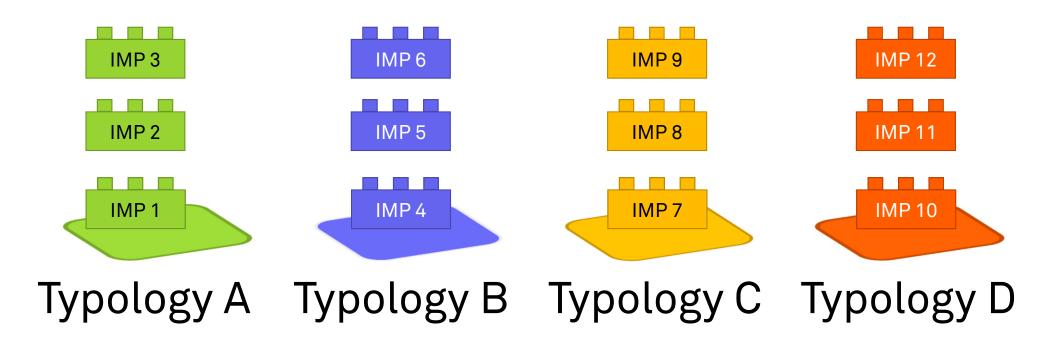






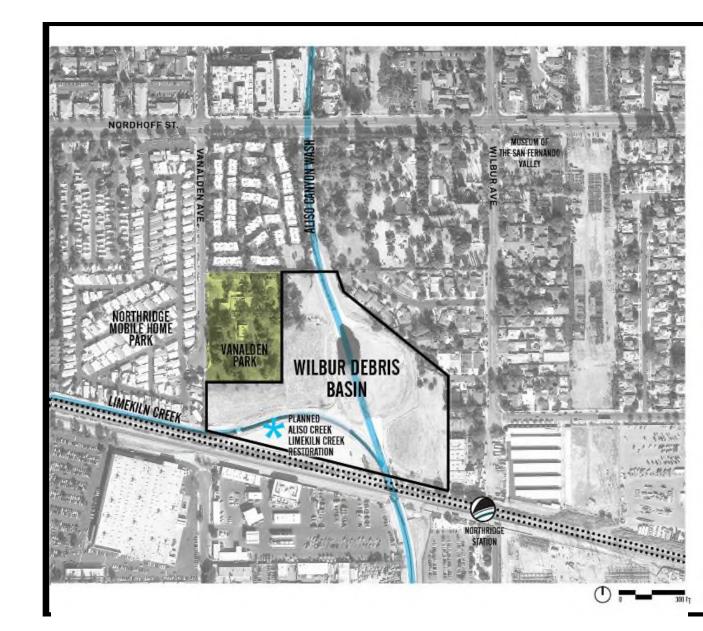




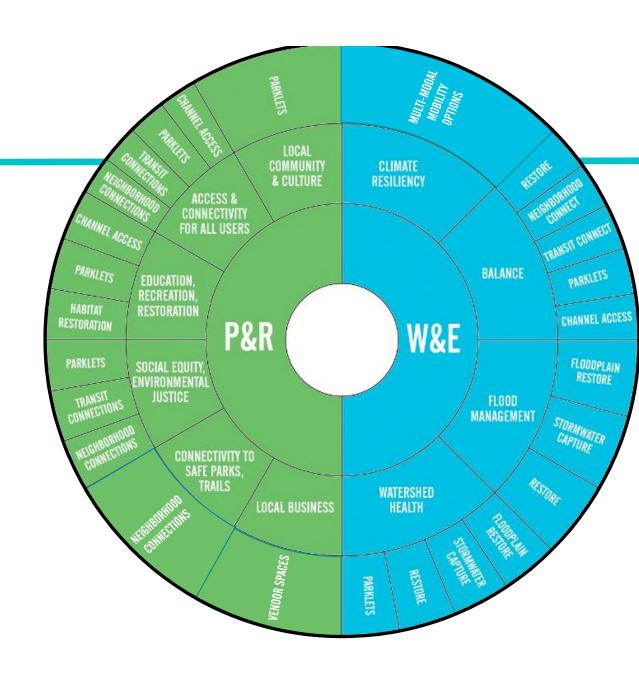


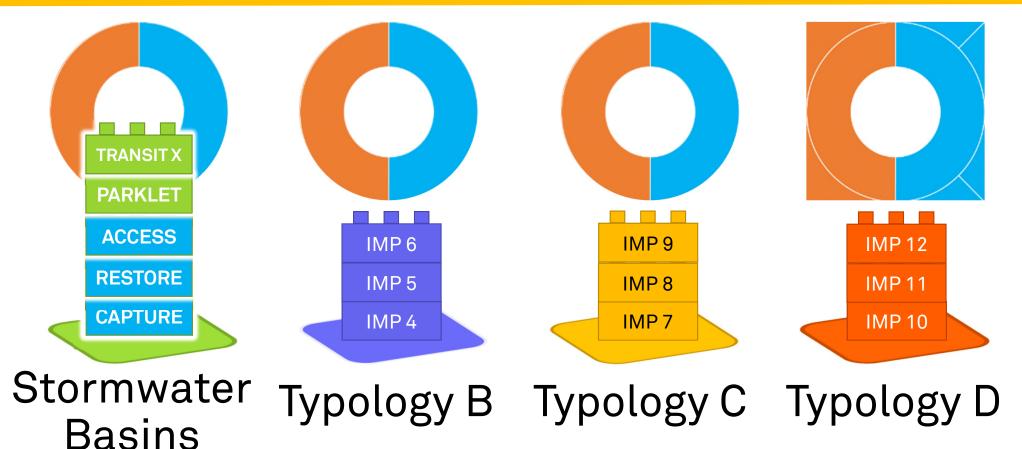
WILBUR DEBRIS BASIN

- + Aliso Canyon Wash
- + Publicly Owned Land
- + Tributary Adjacent
- + Portions Already Planned
- Comment from November Committee Meeting



Multi-Benefit Foundation





Typologies Inform Site Improvements, But Doesn't End There...

- +Typologies provide a **baseline** of multiple benefits
- +Working Group, Committees, and Community will then review and augment with their preferences to create **community identity**

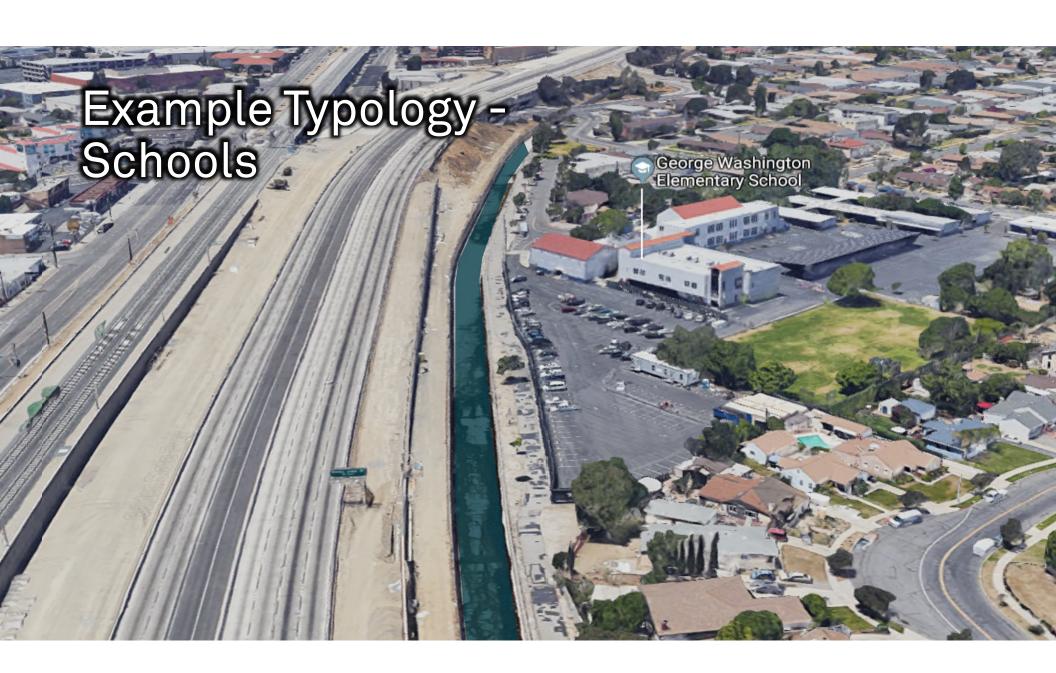
List of Recommended Universal Typologies

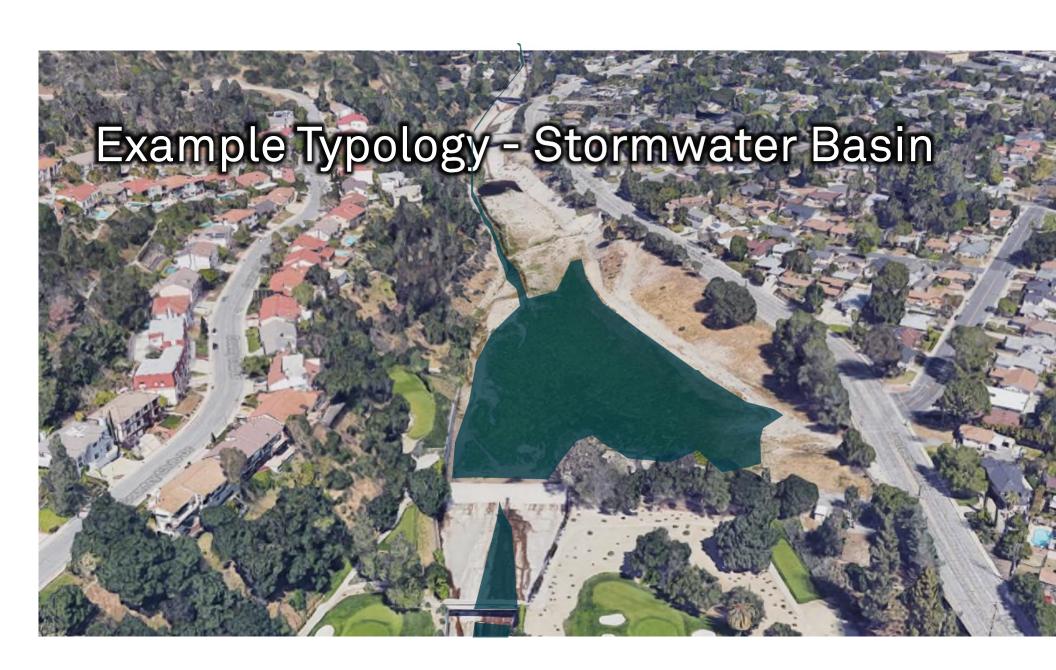
- +Channel Right-of-Way
- +Parks
- +Schools
- +Stormwater Basins
- **+Urban Barriers**
- +Ecological Connections

- +Utility Easements
- +River Confluences
- +Others...?



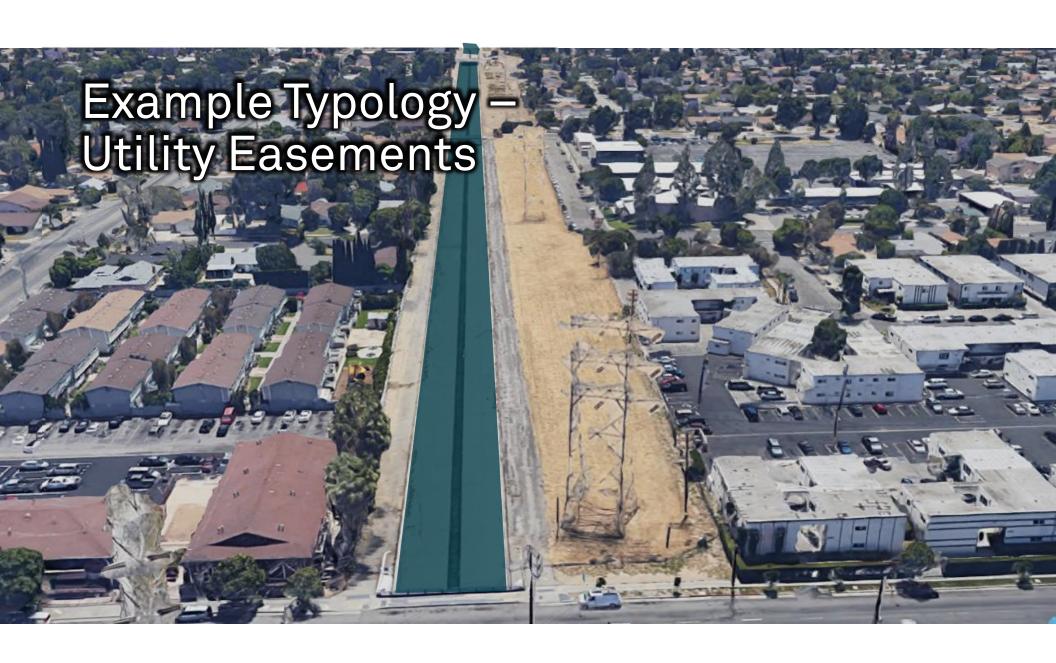


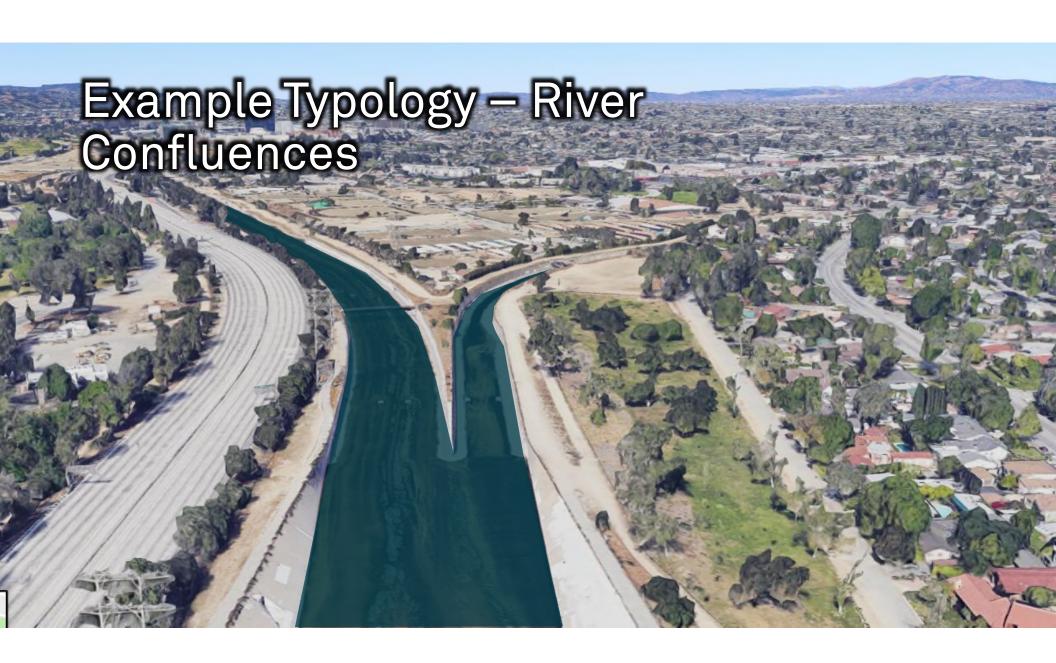












List of Recommended Universal Typologies

Decision: Adopt typologies to prescribe an initial foundation of multi-benefit improvements in gap areas?

- +Channel Right-of-Way
- +Parks
- +Schools
- +Stormwater Basins
- **+Urban Barriers**
- +Ecological Connections
- +Utility Easements + Public land

- +River Confluences
- +River Parks
- +Hidden Tribs
- +Commercial/Industrial
- +Residential
- +Bridge Crossings
- +Transportation Corridors



Item 9. Polling activity regarding project improvement prioritization.



ITEM GOAL

Understand the factors your community wants to focus on in the **first** round of opportunity sites.

There will be six sites chosen for concept development, one for each tributary.



CALENVIRO SCREEN

CalEnviroScreen uses environmental, health, and socioeconomic information to identify California communities that are especially vulnerable to pollution's effects

OEHAA (Office of Environmental Health Hazard Assessment) defines disadvantaged communities as those with a CalEnviroScreen of 75% or more. A HIGHER score indicates more disadvantage.

AB466

Assembly Bill (AB) 466 was created to appoint a Working Group for the Upper LA River and Its Tributaries and develop a community-centric, watershed based revitalization plan.

Emphasis was placed on

- Addressing communities around the Upper LA River and her tributaries
- Recognizing the value of the waterways through watershed education programs
- Disadvantaged communities

INTRO	THEMES	ALISO	PACOIMA	TUJUNGA	BURBANK	VERUDUGO	ARROYO SECO

WORKING GROUP'S MISSION STATEMENT

The working group developed a mission statement that focused on the following six components:



PROCESS

PART 1

Review Mission Statement Themes

For each tributary

PART 2

Review Tributary

Key Facts

PART 3

Polling Priority Factors

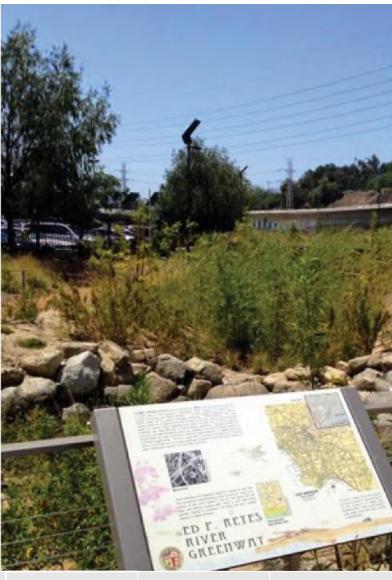
PART 1 MISSION THEMES

O1
NATURE
BASED
SOLUTIONS

- Ecosystem
- Habitat
- Biodiversity
- Passive recreation
- In sync with the flow regime







INTRO THEMES

S

ALISO

PACOIMA

TUJUNGA

BURBANK

VERUDUGO

ARROYO SECO

02

WATERSHED MANAGEMENT

- Watershed Health
- Water Supply
- Water Quality







03 **FLOOD RISK**

Reduction and management of existing flood risks to communities



TUJUNGA INTRO **THEMES ALISO PACOIMA BURBANK VERUDUGO ARROYO SECO**

04

OPEN SPACE & RECREATION

- Opportunities for education, recreation
- In sync with flow regimes







O5 ACCESS + CONNECTION

Identify and create improved, inspirational, inclusive access and connectivity to public space, the river and tributaries for all users





06

COMMUNITY

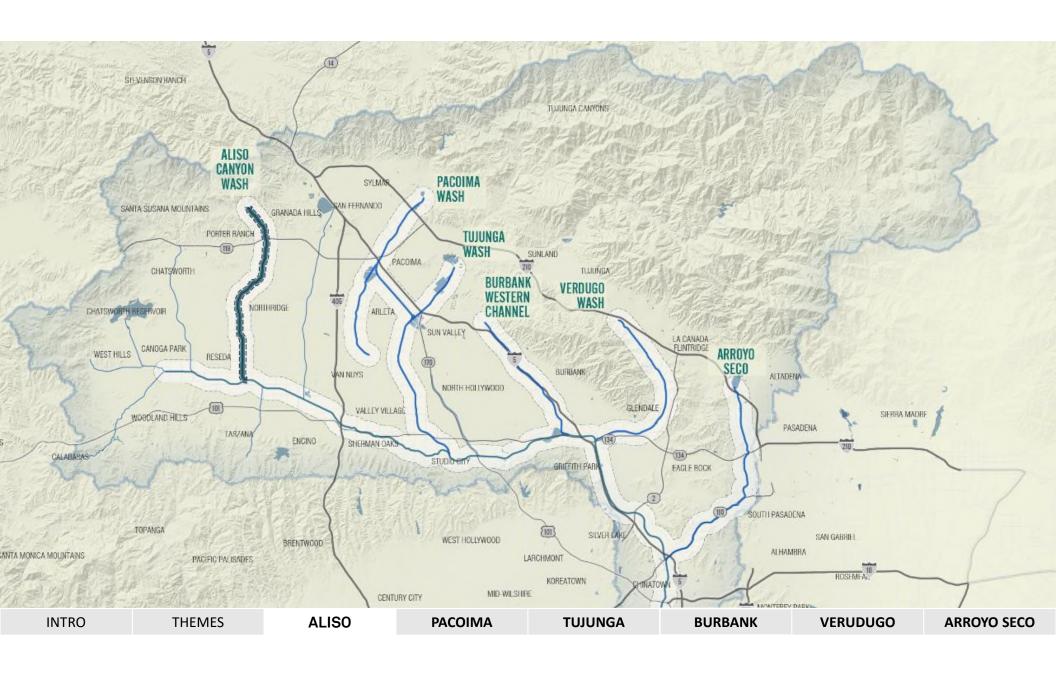
- Emphasis on underserved areas
- Feature and promote the importance of the community and local culture
- Strengthen local business and vendors to foster job creation and economic growth
- Culture, arts, education and economy







PART 2 & 3 TRIBUTARY REVIEW & POLLING



ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.



Schools













ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.

Mountain Lion Kitten tagged in Santa Susana Mountains



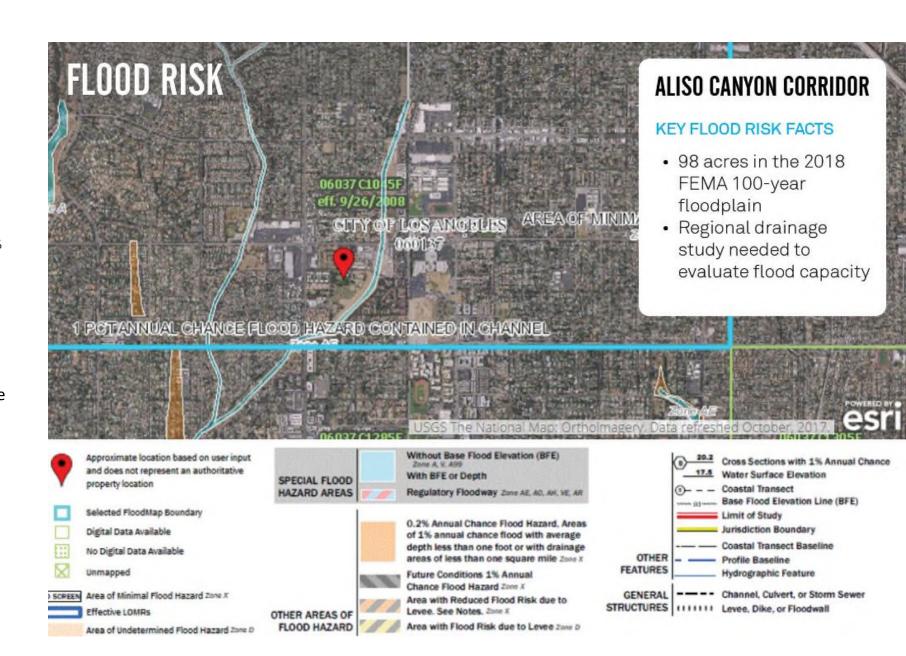
ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.

FEMA flood map



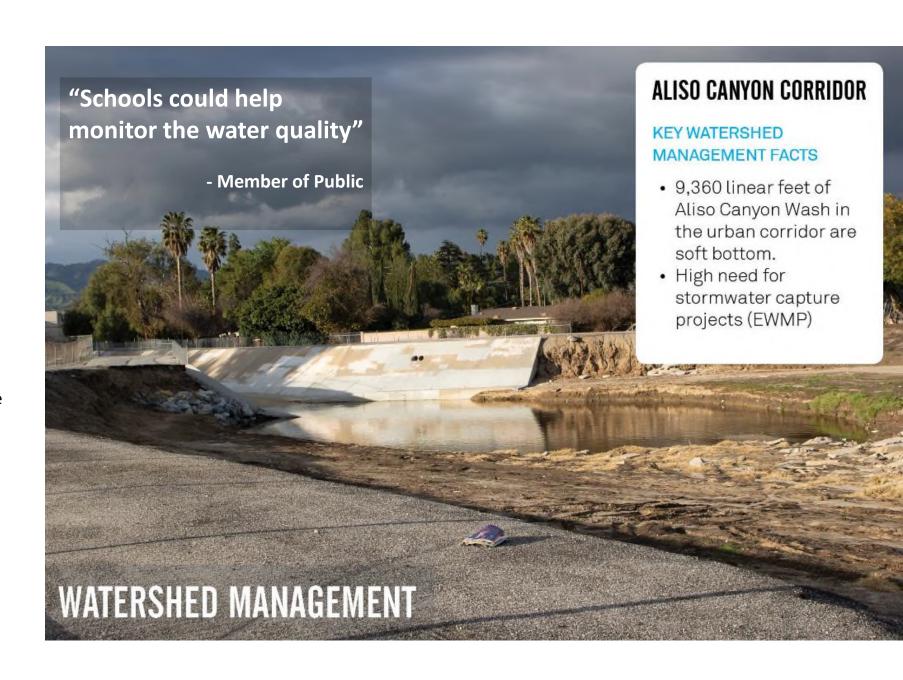
ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.

Wilbur Debris Basin



ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.

Vanalden Park

"The parks could be reconfigured into multibenefit spaces"

- Working Group Member



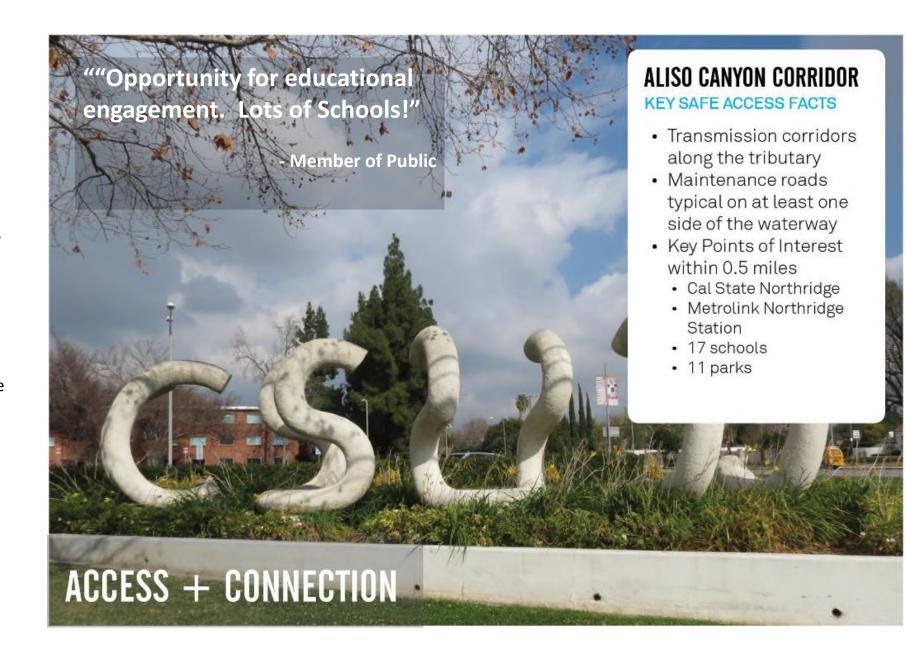


ALISO CANYON

CALENVIROSCREEN

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CSUN

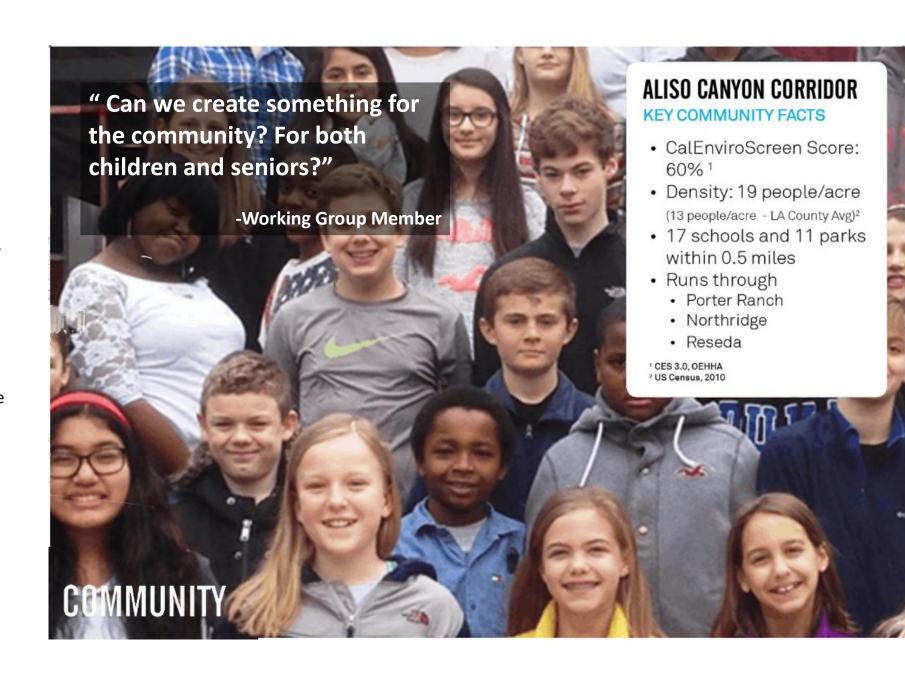
ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Key observations about the Aliso Canyon Wash from the literature review, site visits, research, committee and working group meetings.

Downtown Northridge



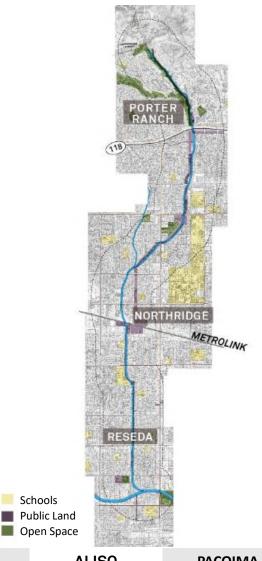
POLLING

ALISO CANYON

CALENVIROSCREEN

CORRIDOR AVERAGE - 60%

Please identify the TOP 2 themes for your community in the first round of opportunity sites











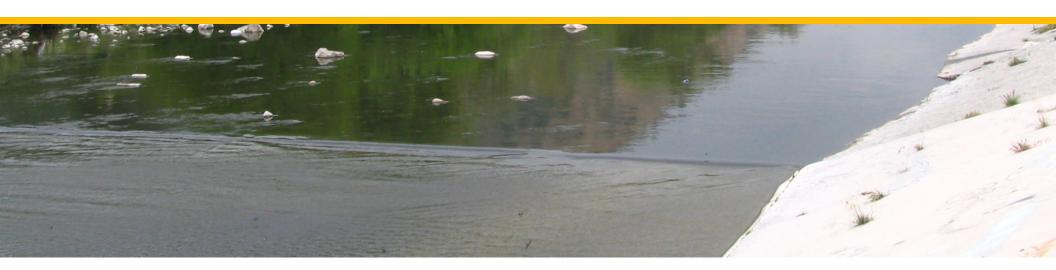




End of Presented Materials for Item 9



Item 10. Presentation by State Water Resources Control Board regarding the Los Angeles River Flows Project.



Establishing Environmental Flows for the Los Angeles River

Upper LA River and Tributaries (ULART)
Working Group Meeting
March 28, 2019







PROJECT OVERVIEW

Los Angeles River Environmental Flows Project Goals

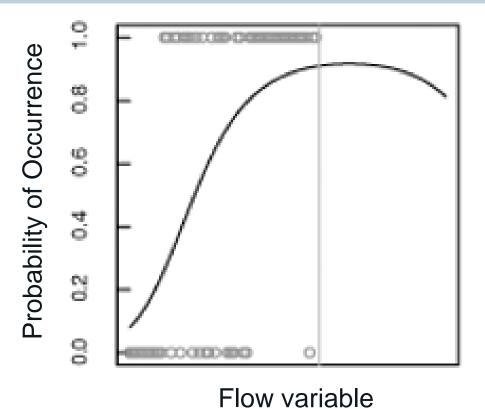
- 1. Characterize aquatic life and recreational uses in the LA River
- 2. Quantify flows needed to support uses
- 3. Model how various flow scenarios would affect uses
- 4. Develop a set of flow recommendations that optimize use support
- 5. Incorporate stakeholder input throughout the project
- 6. Serve as a model for similar situations

Funding Partners

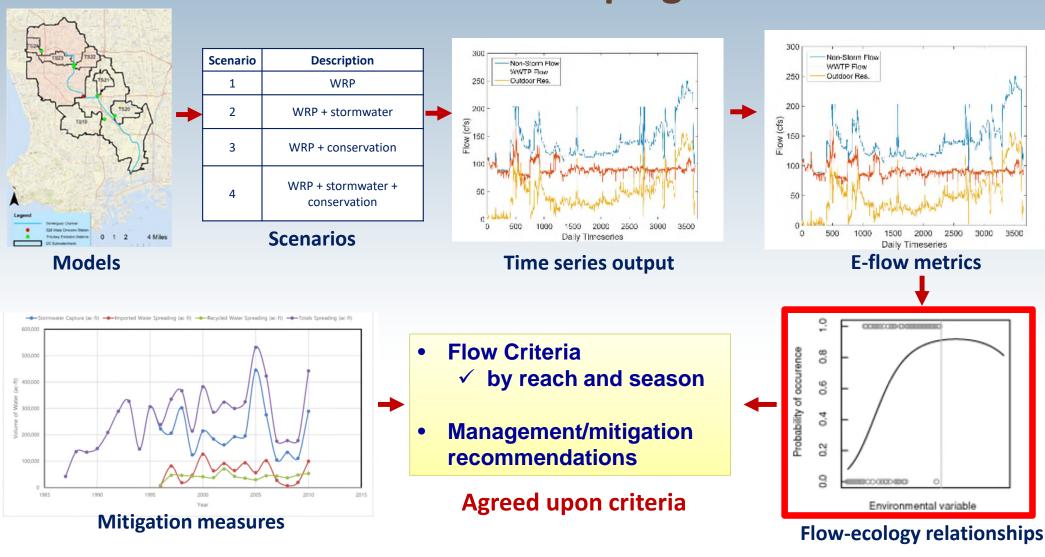
- State Water Resources Control Board
- LA Regional Water Quality Control Board
- City of LA Department of Water and Power
- City of LA Bureau of Sanitation
- LA County Sanitation Districts
- LA County Flood Control District
- Potential new partners

What We Want

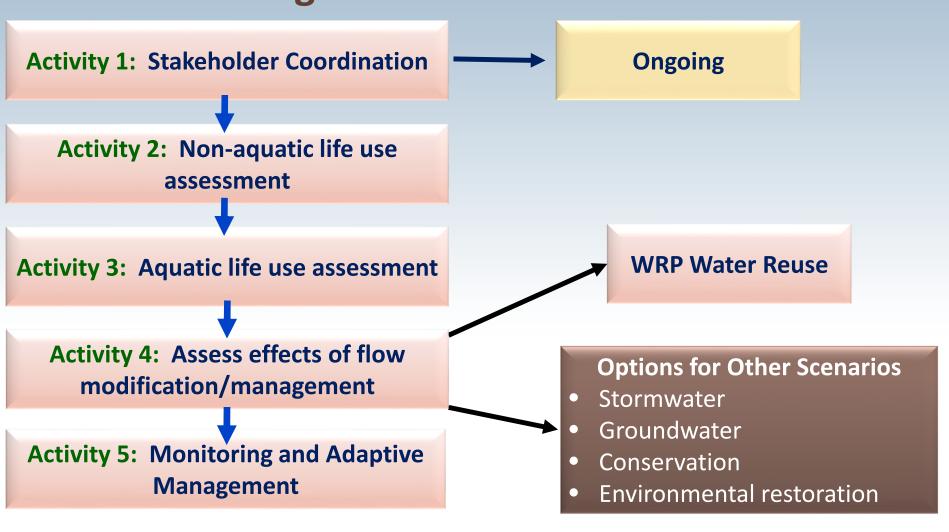
- Which species?
- Which habitats?
- What seasons?
- What scenarios?
- What management?



Overall Process for Developing Flow Criteria



Assessing Environmental Flows for LAR



Activity 2 – Assessing Non-aquatic Life Uses

Goal: Identify key non-aquatic life uses and determine hydrologic needs for those uses

- Survey existing reports
- Interview key individuals
- Produce list of uses by reach
- Establish flow needs for each use
 - Past reports
 - Interviews/BPJ

Hydrologic

- Minimum annual flow
- Duration of consecutive minimum annual flow
- Frequency of high winter flows Oct-March
- Frequency of Spring flush flows march-June
- Date of latest flood during the winter
- Decrease in flow per day in Spring following last Winter flood
- Magnitude of summer base flow

Hydraulic

- Presence of riffle (moderate der current, cours habitat in Spri spawning
- Percent of hat edgewater, rifl in the Spring a
- Minimum and bottom velocit Spring and sur
- Minimum dep Spring, Summ

RECREATIONAL USE REASSESSMENT (RECUR)
OF THE ENGINEERED CHANNELS OF THE
LOS ANGELES RIVER WATERSHED







Not Just Minimum Flows



M. James Allen Erica T. Jarvis Valerie Raco-Rands Greg Lyon Jesus A. Reyes Dawn M. Petschauer



Southern California Coastal Water

Technical Report 574 - September 2008

Research Project

Activity 2 – Assessing Non-aquatic Life Uses Potential Product/Outcome

Reach	Uses	Flow Needs
1	a. Fishingb. Bird watching	a. Depth and flow during all seasonsb. Minimum depth to provide foraging area during non-storm periods
2	a. Community educationb. Recreation/kayaking	a. No substantive flow restrictionsb. Min flow and depth during spring and summer
3	a. Fishingb. Recreation/wading	a. Depth and extent of inundation during spring and summerb. Min flow and velocity during spring and summer
4	TBD	
5	TBD	
6	TBD	

- Flow, depth and velocity needs to be quantified to the extent possible
- Season considerations to be included

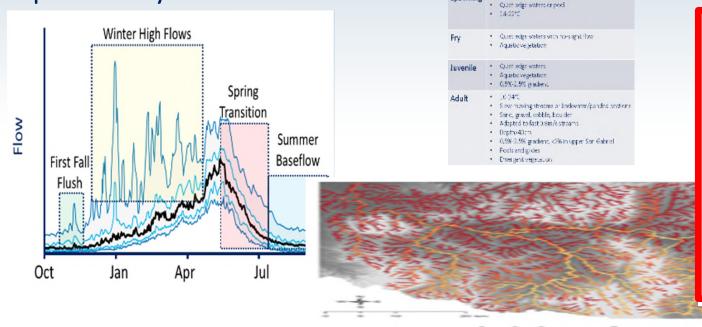
Activity 3 – Aquatic Life Use Assessment:

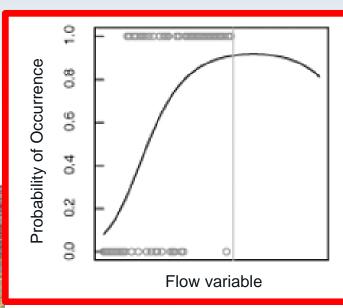
Fab Aug (June July mootly)

- Choose focal species
- Use existing databases on life history needs
- Augment with additional analysis as needed

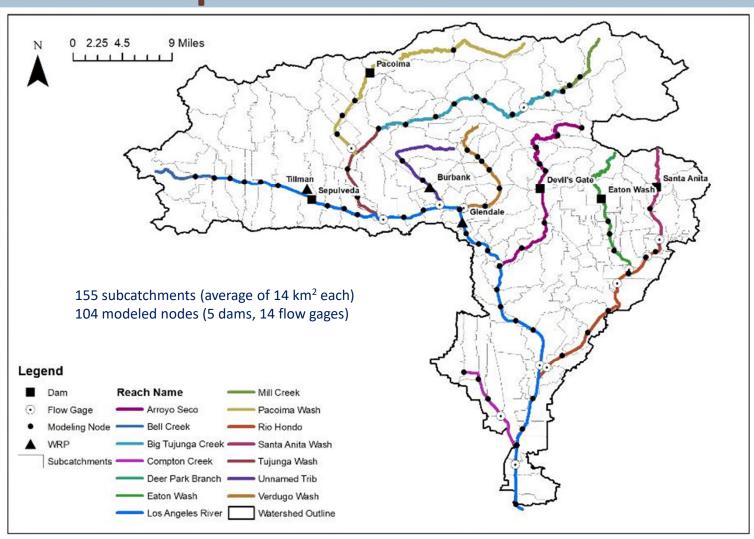
Model relationships between flow needs and

probability of occurrence Space

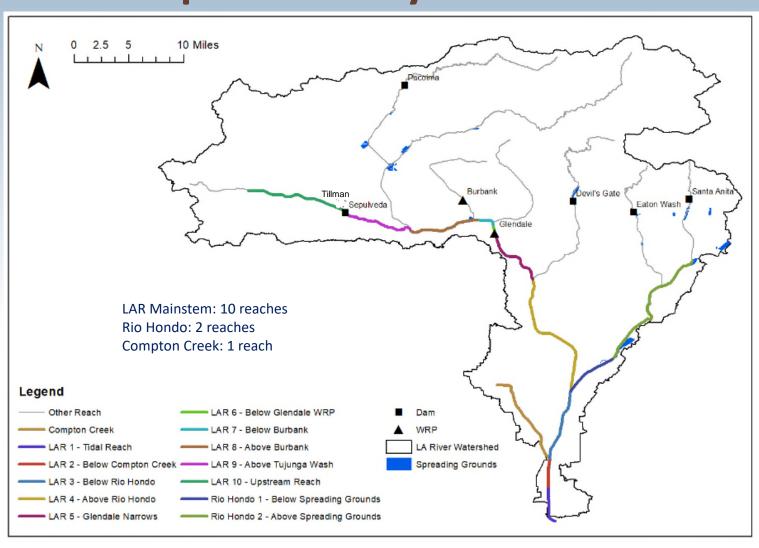


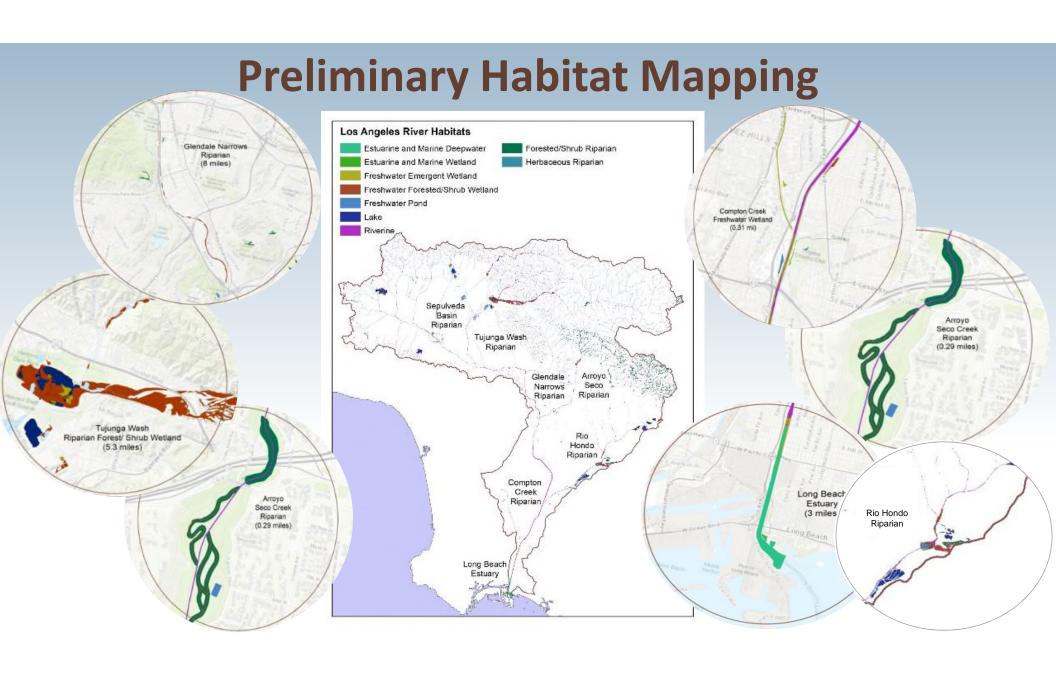


Proposed Model Domain



Proposed Analysis Reaches





Potential Focal Species

- Arroyo chub
- Santa Ana sucker
- Southern steelhead
- Tri-colored blackbird
- Least bells' vireo
- Belted kingfisher
- Black crowned night heron
- Black necked stilt
- Long-billed dowitcher
- Other suggestions



Activity 3 – Aquatic Life Use Assessment: Potential Product of Flow Ecology Assessment

Goal: Develop flow-ecology relationships for key aquatic species or habitats in the LA River

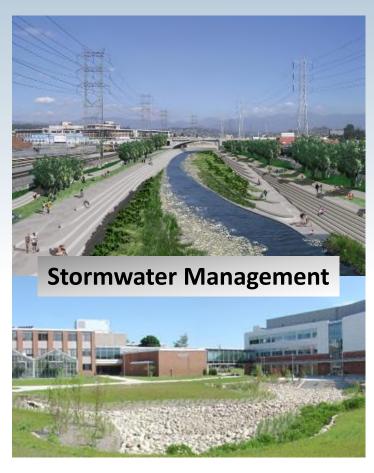
		Flow Needs						
Endpoint	Reaches	Fall	Winter	Spring	Summer			
Great blue heron	1-3		Peak flow > XHigh flow cfs duration between x and y days		 Depth of water between x and y meters 			
Riparian habitat/vireo	3-5		 Peak flows > X at least every Y years Sustained high flow > X days 	 Recession rates over 3 weeks to promote seed establishment 	 Baseflow duration of 3 weeks 			
SW pond turtle	2, 4, 6	 Flushing flows > X days and Y cfs 			Baseflow > x cfsBaseflow duration through Aug			
Benthic Invertebrates	2-6		 Frequency of high flow events > x Peak flows between x and y 	 Recession rates through June No scouring flows after X date 	 Flow > ponding through Aug 			

Potential Expansions of Project Scope

- Restoration and recreation opportunities along Rio Hondo,
 Compton Creeks, and possibly other locations
- Model potential water quality effects
 - Temperature
 - Sediment/TSS
 - Specific conductance
 - Metals
 - CECs (optional)

Activity 4 – Quantify Effects of Flow Management *Analyzing Scenarios*





Proposed Management Scenarios

Tillman Reuse	Burbank Reuse	Glendale Reuse	Stormwater Capture	Restoration
0% recycle	0% recycle (6.9 cfs)	0% recycle (12.5 cfs)	Centralized capture (locations?)	Rio Hondo
20% recycle	20% recycle	20% recycle	On-site infiltration	Compton Creek
40% recycle	40% recycle	40% recycle	On-site direct use	Tujunga
60% recycle	60% recycle	60% recycle	Green streets	Arroyo Seco
80% recycle	80% recycle	80% recycle	Subregional infiltration	Glendale Narrows
100% recycle	100% recycle	100% recycle	Subregional direct use	OTHER LOCATIONS?

- Proposed in change petition is 60% reduction for Burbank and 65% reduction for Glendale in August
- Stormwater capture scenarios from Stormwater Capture Master Plan
- Can assess combinations of scenarios

Activity 5 – Monitoring and Adaptive Management

Goal: Develop a recommended monitoring strategy with potential triggers for adaptive management

- Approach: work with stakeholders and technical team to develop monitoring strategies
 - Leverage existing monitoring and assessment programs (e.g. SMC)
 - Provide data to improve model performance
 - Evaluate efficacy of criteria and management actions

Schedule

Activity / Sub-Tasks	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4
Activity 1 - Stakeholder coordination									
Activity 2 - Non-aquatic Life Use Assessment									
Activity 3 - Aquatic Life Beneficial Use Assessment									
Activity 4 - Apply Environmental Flows/Evaluate Scenarios									
Activity 5 - Monitoring and Adaptive Mangement Plan									
Activity 6 - Summary of results/reporting									

Stakeholder Coordination Meetings

Technical Advisory Committee Meetings

Technical Advisory Committee

- CA Dept. of Fish and Wildlife
- City of Glendale
- Corps of Engineers
- ESA Consultants
- Heal the Bay
- LA County Dept. of Public Works
- LA County Dept. of Regional Planning
- LA Dept. of Water and Power
- LA Regional Water Board
- Long Beach Water
- RCD Santa Monica Mountains

- State Water Resources Control Board
 - SGMA and Instream Flows
- Stillwater
- UC Extension
- UCLA
- UCSB
- ULARA Watermaster
- US Forest Service
- US Bureau of Reclamation
- US Fish and Wildlife Service





Item 11. Member Comments on Items Not on the Agenda





Item 12. Announcement of Future Meetings and Adjournment



Revitalization Plan Upcoming Events

Working Group	Water & Environment and People & Recreation Committees
May 23, 2019	April 25, 2019
July 25, 2019	June 28, 2019
September 26, 2019	August, 2019 (Draft plan review, no meeting)

Community Engagement and Outreach*					
	April 4 th , Kidspace Museum, Pasadena				
Round 1	April 9 th , Rose Goldwater Community Center, Canoga Park				
Round 2 (April - May)	Proposed Projects and Conceptual Plans				
Round 3 (June – July)	Draft Plan				

^{*}Dates subject to change







Contact Information

Santa Monica Mountains Conservancy, Board Secretary

- Tel. No. (310) 589-3200, Extension 118
- Email: river@smmc.ca.gov

Mountains Recreation and Conservation Authority

Sarah Rascon, Urban River Program Officer

- Email: sarah.rascon@mrca.ca.gov
- Tel. No. (323) 221-9944, Extension 109

Melissa Vega, Project Analyst

- Email: melissa.vega@mrca.ca.gov
- Tel. No. (323) 221-9944, Extension 199







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