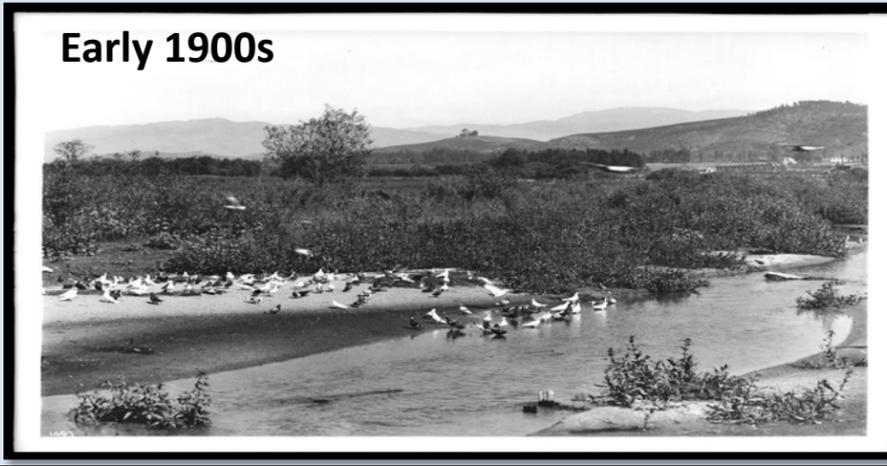


LOS ANGELES RIVER ECOSYSTEM RESTORATION FEASIBILITY STUDY

LOS ANGELES, CALIFORNIA



1920

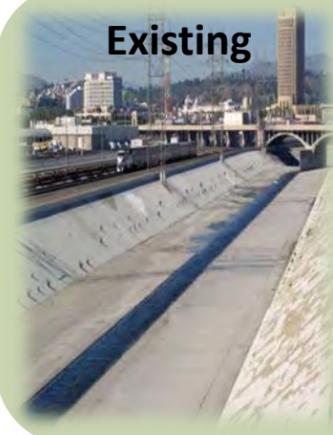


Early 1900s



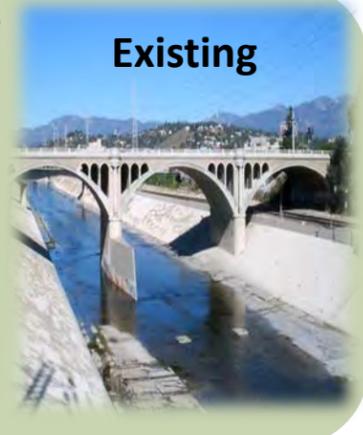
1937

PROJECT OVERVIEW - July 2015



Existing

The study is an ecosystem restoration feasibility study designed to evaluate opportunities for restoration of approximately 11 miles of the Los Angeles River from Griffith Park to Downtown Los Angeles including reestablishment of riparian strand, freshwater marsh, and aquatic habitat communities and reconnection of the River to major tributaries, its historic floodplain, and the regional habitat zones of the Santa Monica, San Gabriel, and Verdugo mountain ranges while maintaining existing levels of flood risk management. The study also evaluates related opportunities to provide recreation consistent with the restored ecosystem.



Existing

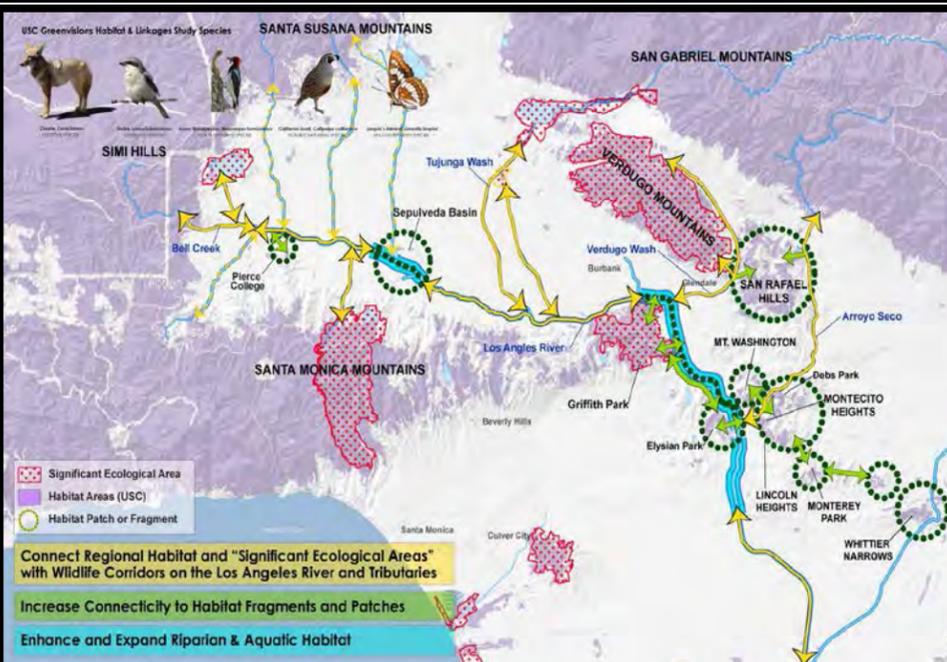
PLANNING OBJECTIVES

1. Restore Valley Foothill Riparian & Freshwater Marsh Habitat

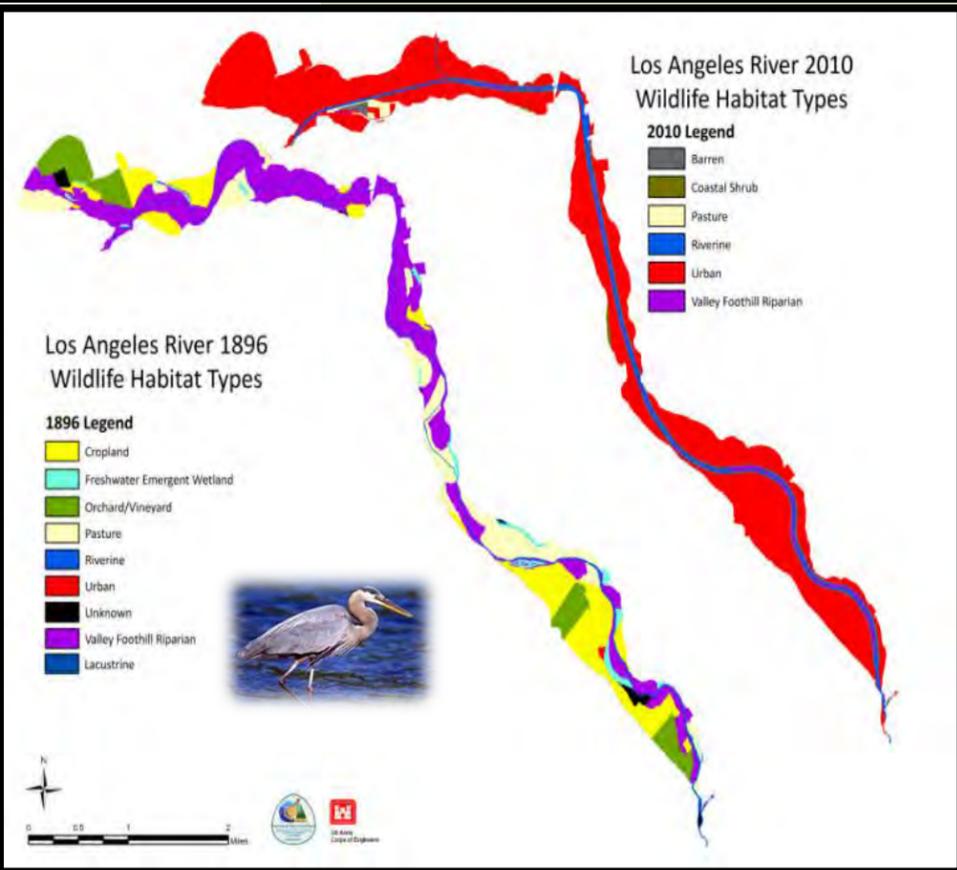
2. Increase Habitat Connectivity – Nodal, Regional & With Historic Floodplain

3. Increase Passive Recreation Compatible with Restored Environment

CONNECTIVITY



URBANIZATION



RESOURCE SIGNIFICANCE

Habitat Scarcity

- Rare Mediterranean Ecosystem occupies 2% of the globe and 20% of all known plant species

Biodiversity

- Top 25 global hotspot with rapid biodiversity loss
- 80% of all wildlife use the riparian ecosystem

Status & Trends

- Over 90% of Southern California's riparian habitat lost



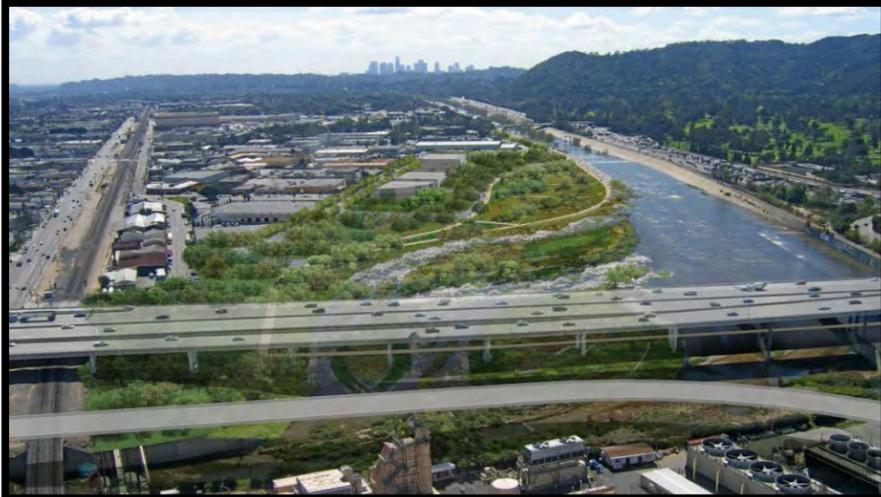
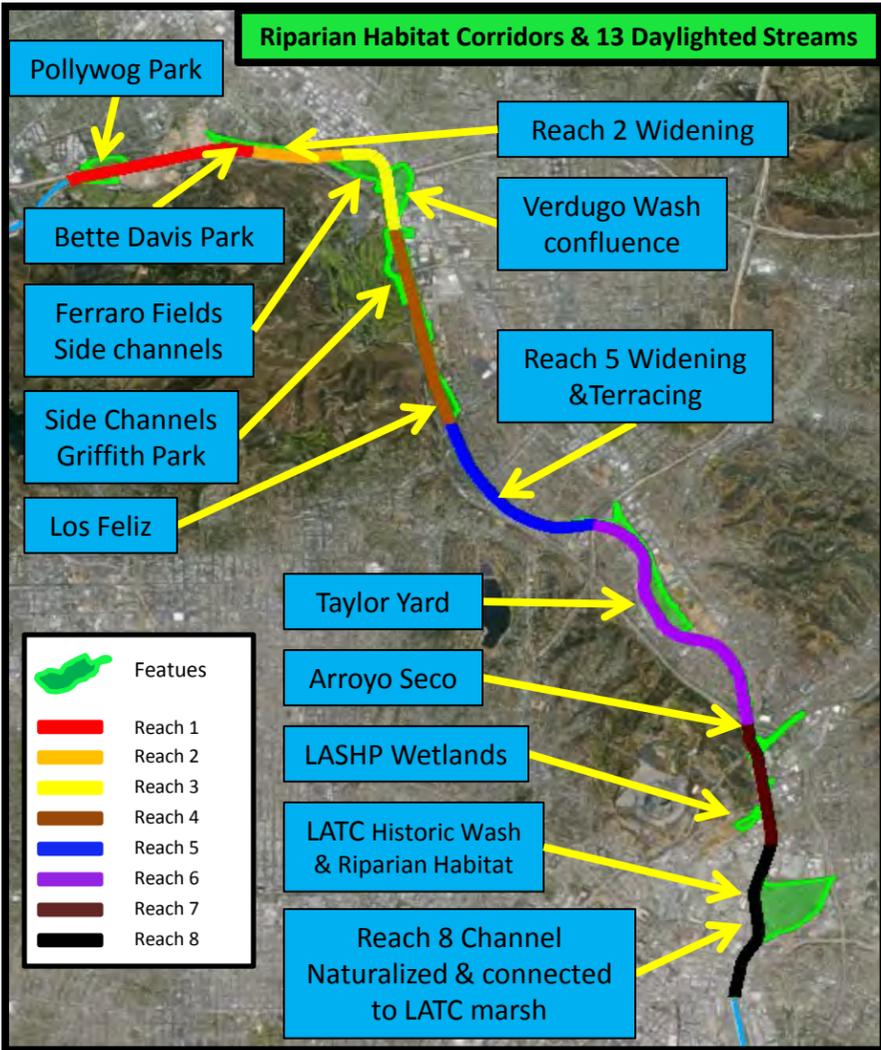
- Over 95% of California's wetlands & freshwater marsh lost

Lost Species

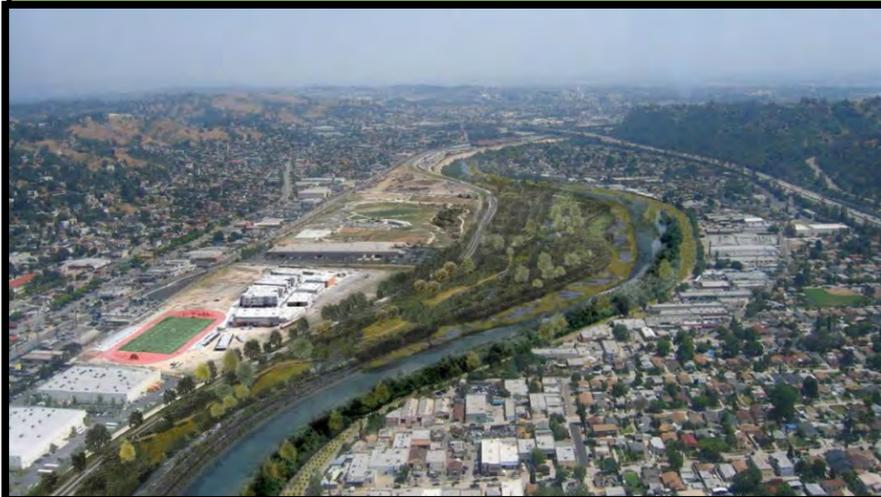
- Birds - Least Bell's Vireo, Yellow Billed Cuckoo, Yellow Warbler, CA Gnatcatcher, SW Willow Flycatcher
- 5 of 7 fish species native to Southern California extirpated in the watershed



THE RECOMMENDED PLAN



Verdugo Wash



Taylor Yard



Los Angeles Trailer and Container Intermodal Facility (LATC)

RECOMMENDED PLAN COST (x1000)

ECOSYSTEM RESTORATION COST APPORTIONMENT			
Item	Federal Cost	Non-Federal Cost	Total Cost
NER PLAN			
LERRDs (Creditable - 35% of ER Cost)	\$0	\$242,940	\$242,940
LERRDs (Non-Creditable)	\$0	\$293,384	\$293,384
Ecosystem Restoration Construction	\$157,790	\$0	\$157,790
Non-Federal Cash Contribution	\$0	\$0	\$0
Subtotal	\$157,790 (23%)	\$536,324 (77%)	\$694,114
LPP - Ecosystem Restoration Option 1			
LERRDs (Creditable - 35% of NER ER Cost)	\$0	\$242,940	\$242,940
LERRDs (Non-Creditable)	\$0	\$528,085	\$528,085
Ecosystem Restoration Construction	\$567,529	\$0	\$567,529
Non-Federal Cash Contribution	(\$409,739)	\$409,739	\$0
Subtotal	\$157,790 (12%)	\$1,180,763 (88%)	\$1,338,554
LPP - Ecosystem Restoration Option 2			
LERRD (Creditable - 35% of ER Cost)	\$0	\$468,494	\$468,494
LERRD (Non-Creditable)	\$0	\$302,531	\$302,531
Ecosystem Restoration Construction	\$567,529	\$0	\$567,529
Non-Federal Cash Contribution (15%)	(\$200,783)	\$200,783	\$0
Subtotal	\$366,746 (27%)	\$971,808 (73%)	\$1,338,554

RECREATION COST APPORTIONMENT - RECOMMENDED PLAN

Item	Federal Cost	Non-Federal Cost	Total Cost
Recreation Construction	\$9,027 (50%)	\$9,027 (50%)	\$18,054

NOTES

- LERRDs - Includes Lands & Damags, Relocations & PED & Construction Management for Relocations
- Ecosystem Restoration Construction - includes ER Construction, PED & Construction Management
- Recreation Construction - includes Recreation Construction, PED & Construction Management

NER vs LPP

	NER Plan	Recommended Plan
Ecosystem Restoration		
Total First Cost (October 2015 PL)	\$694,114,000	\$1,338,554,000
Average Annual Cost	\$31,338,000	\$60,507,000
Average Annual Habitat Units	5,989	6,782
Average Annual Cost/Habitat Unit	\$5,233	\$8,922
Restored Acres	598	719
Increase in Nodal Connectivity		206% over NER Plan
Regional Connectivity	Santa Monica & San Gabriel Mountains, Elysian Hills	Santa Monica & San Gabriel Mountains, Elysian Hills, Verdugo Mountains
Recreation		
Total First Cost (October 2015 PL)	\$10,353,000	\$18,054,000
Average Annual Cost	\$606,000	\$978,000
Average Annual Benefits	\$2,479,000	\$3,510,000
Net Benefits	\$1,873,000	\$2,532,000
Benefit/Cost Ratio	4.09	3.59
Regional Economic Development (RED)		
Increase in Jobs (over 50 years)	6,900	19,400
Increase in Labor Income (over 50 years)	\$1.3 Billion	\$4.8 Billion

