

An aerial photograph of the Los Angeles coastline and city grid, showing the ocean on the left and the city extending inland to the right. The image is partially obscured by a dark teal overlay on the left side where the text is located.

# Earvin “Magic” Johnson Park Operation and Maintenance Project

Infrastructure Program  
Fiscal Year 2023-2024  
Upper Los Angeles River  
Rafael Piamonte  
Previously Awarded TRP –No



# Project Overview

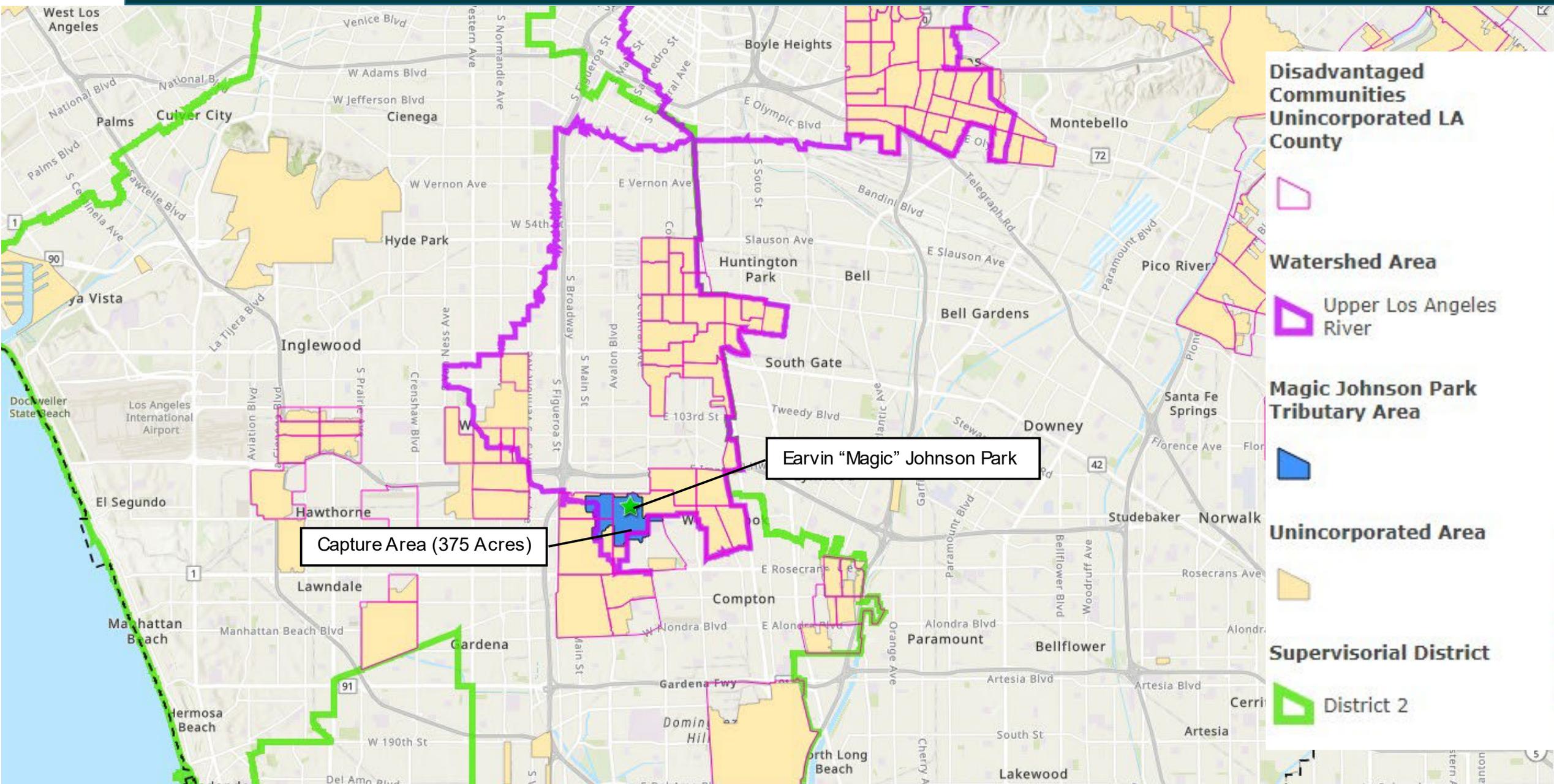
O&M of pump station, treatment facility & stormwater BMPs to ensure project improves water quality, provides water reuse & park enhancements.

- Primary Objective: Water Quality
- Secondary Objectives: Water Supply, Community Investment, Nature-Based Solutions, Leverage Funding
- Project Status: O&M
- Total Funding Requested: \$1,625,000 over 5 years



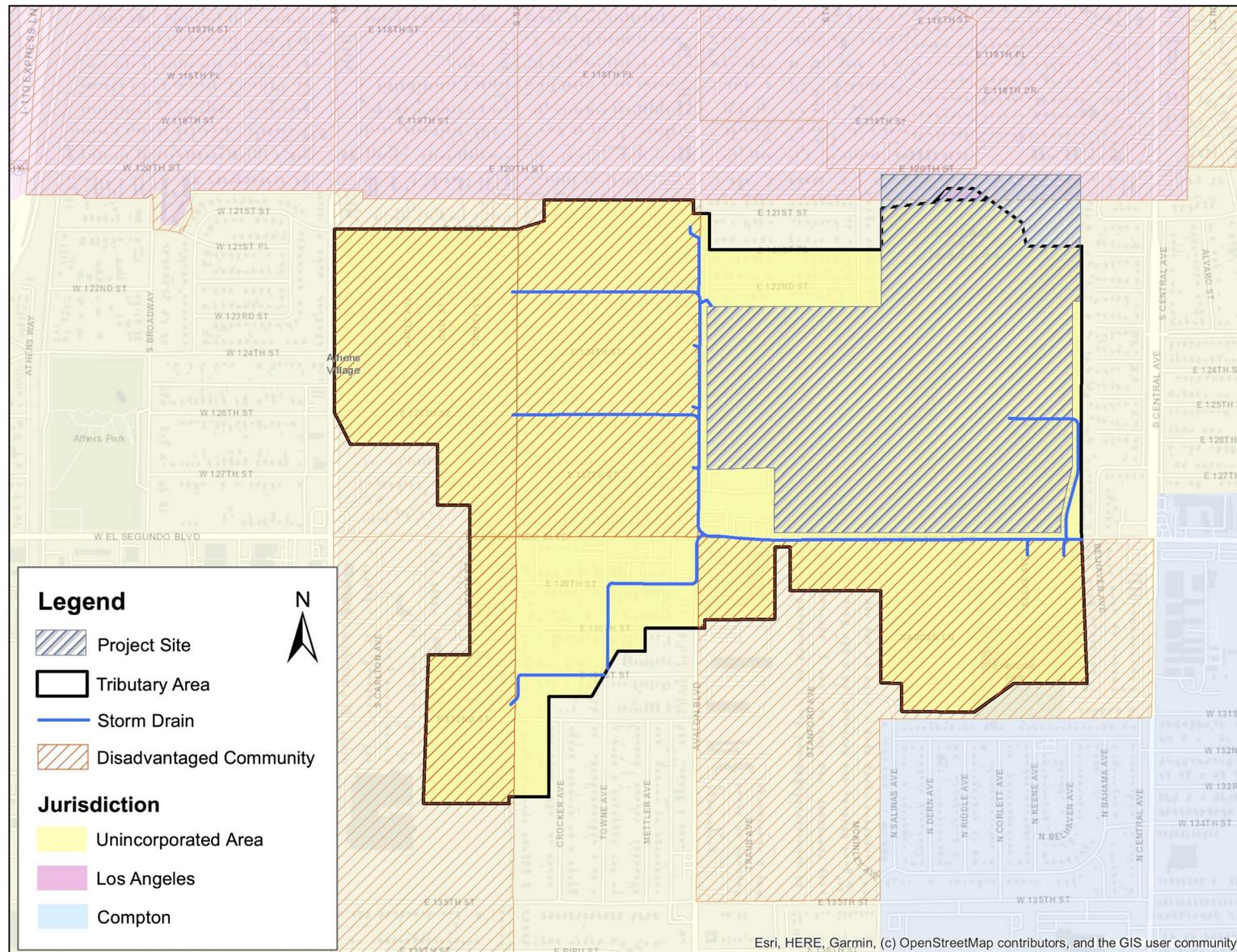


# Project Location





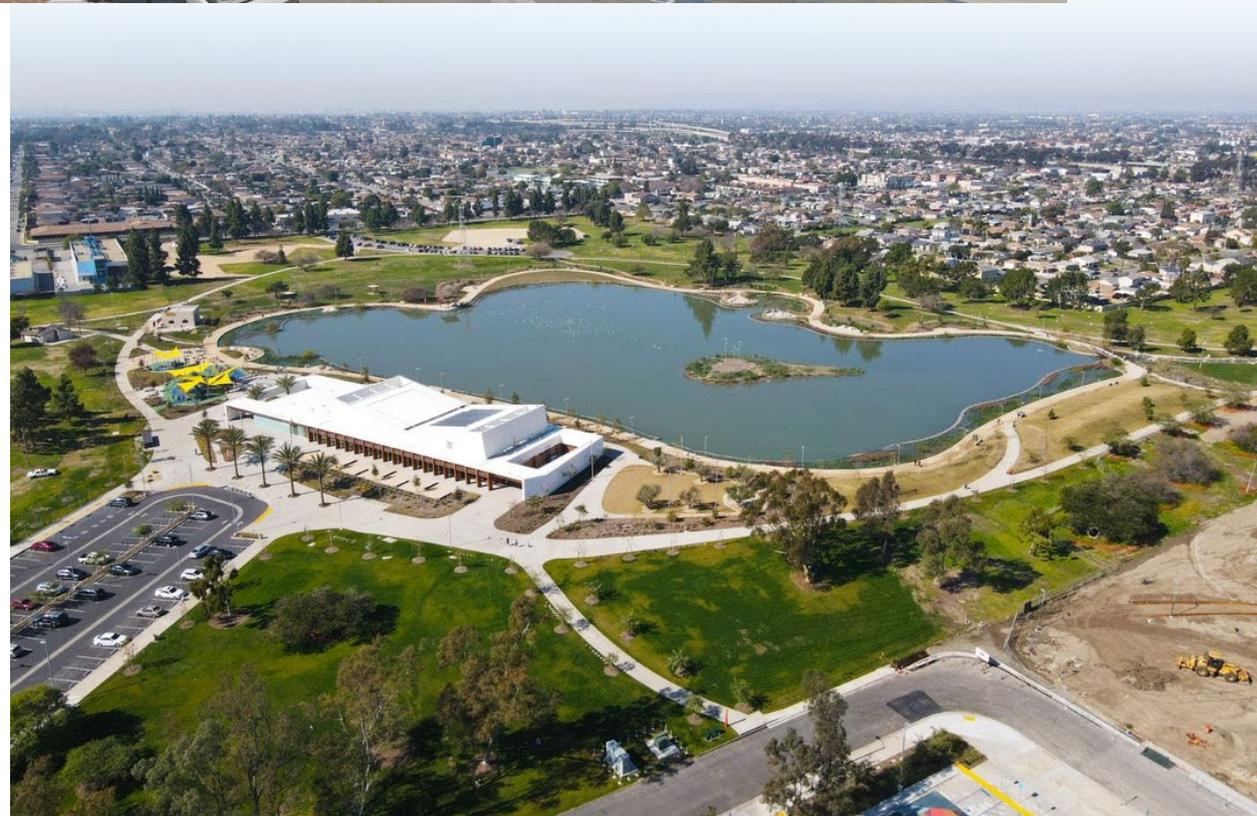
# Project Location





# Project Background

- Completed February 2021
- Project completed in partnership with various County groups
  - Public Works
  - Parks & Recreation
  - Development Authority
  - Flood Control District
- Included in the Upper Los Angeles River Watershed Management Plan
- Project within the historically, underserved community of Willowbrook





# Partners



American Society of  
Landscape Architects





# Partners



"It's beautiful, you have to travel a long way from here to find a park this beautiful. I like it because taxpayers see where their dollars are going." - Tony Davis, LA Resident



"With all the stuff that's going around in this area, it's good to see they brought something that brings families together...the playground looks amazing back here. I think kids will love it for years to come." - Luciano Islas, LA Resident

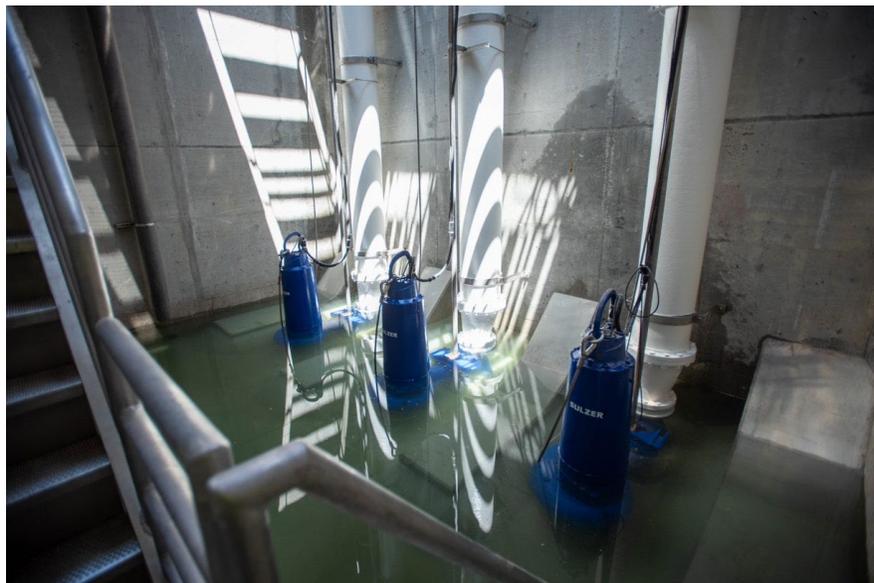


# Project Details





# Project Details





# Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Pre-design	\$100,000.00	8/2017
Design	Design, Construction Administration	\$1,250,000.00	5/2018
Construction	Construction, Post-Construction Costs of Stormwater Components (Water Quality and Water Conservation)	\$28,300,000.00	2/2021
<b>TOTAL</b>		<b>\$29,650,000.00</b>	

- Annual Costs - \$650,000
  - Operation and Maintenance of underground and aboveground features
- 50-Year Project Lifespan & Lifecycle Cost - **\$45,246,035**



# Funding Request

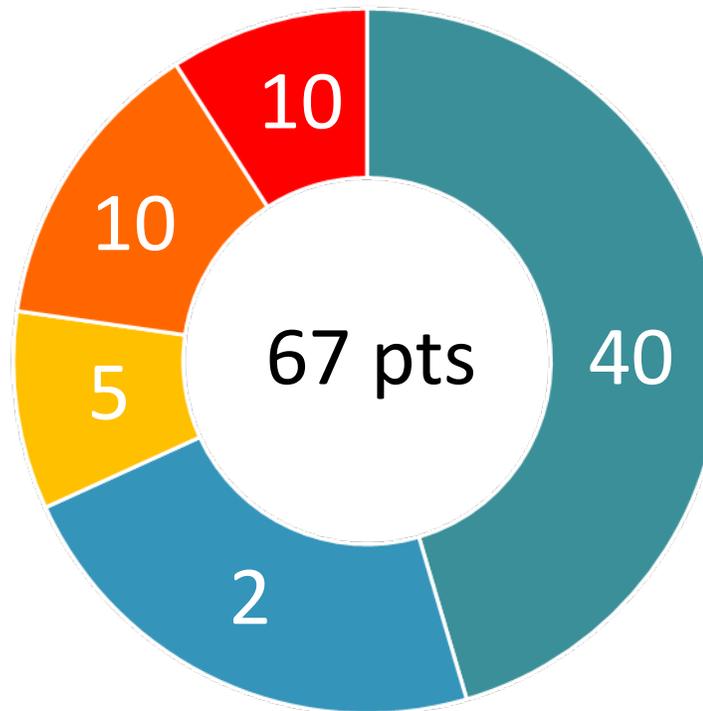
Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$325,000	O&M	Operation and maintenance of pump station, water quality treatment facility and stormwater best management practices around the lake.
2	\$325,000	O&M	Operation and maintenance of pump station, water quality treatment facility and stormwater best management practices around the lake.
3	\$325,000	O&M	Operation and maintenance of pump station, water quality treatment facility and stormwater best management practices around the lake.
4	\$325,000	O&M	Operation and maintenance of pump station, water quality treatment facility and stormwater best management practices around the lake.
5	\$325,000	O&M	Operation and maintenance of pump station, water quality treatment facility and stormwater best management practices around the lake.
<b>TOTAL</b>	<b>\$1,625,000</b>		



# Score as confirmed by the Scoring Committee

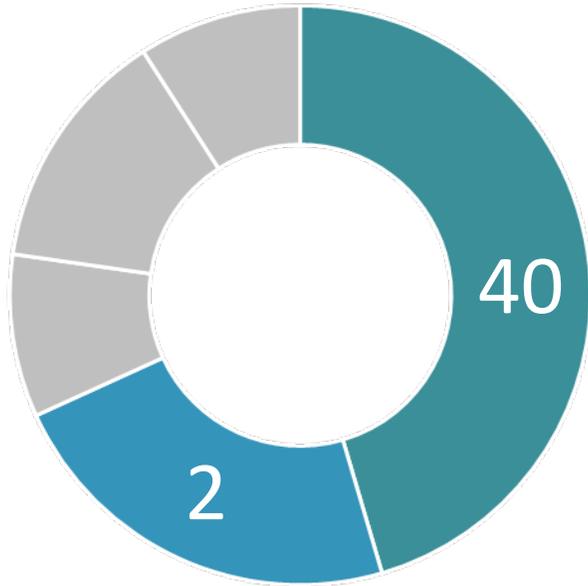
The Scoring Committee confirmed this score on 12/1/2022

- Water Quality
- Water Supply
- Community Investment Benefits
- Nature Based Solutions
- Leveraged Funds and Community Support





# Water Quality & Water Supply Benefits

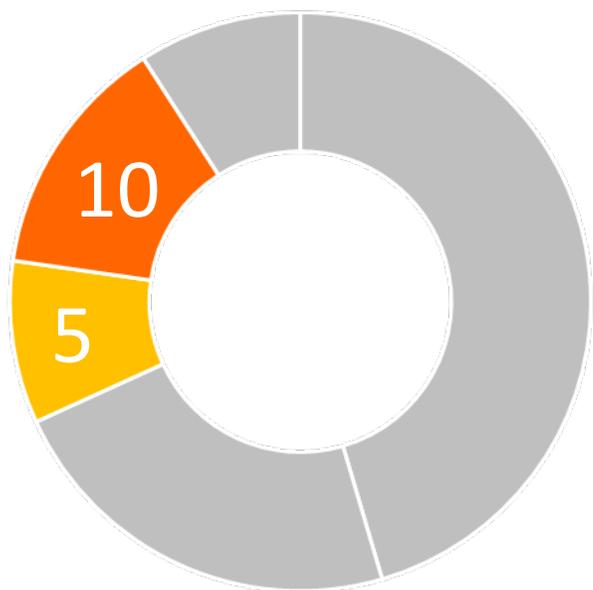


The Scoring Committee confirmed this score on 12/1/2022

- Filtration BMPs and water reuse on-site
- Dry-weather project
- Tributary Area: 375 acres
- Capacity: 7 acre-feet
- Annual Water Supply Volume: 56 acre-feet captured from July 2021 to June 2022
- Water Supply Use: Irrigation and Lake Replenishment
- Water Supply and Water Quality Cost Effectiveness
  - \$42,937 per acre-foot



# Community Investment Benefits and Nature Based Solutions

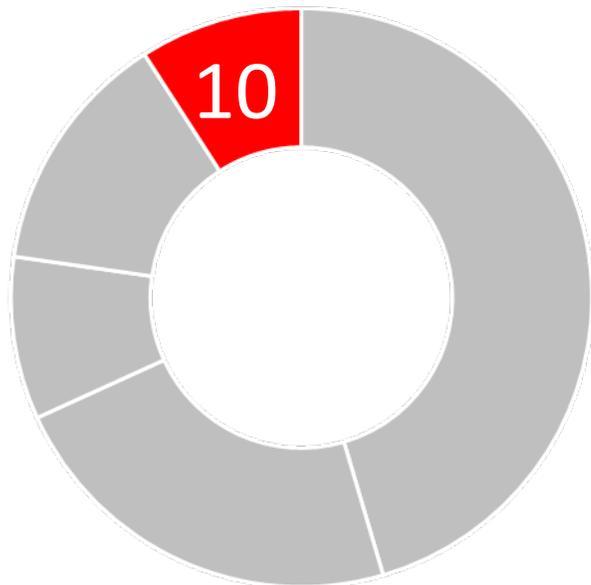


The Scoring Committee confirmed this score on 12/1/2022

- Community Investment Benefits
  - Enhanced & added park space
  - Recreational opportunities
    - Benches
    - Tables
    - Exercise Equipment
    - Viewing Platforms
    - Educational and wayfinding signage
- Nature Based Solutions
  - Habitat and wetland space
  - Renovated lake to support local habitat

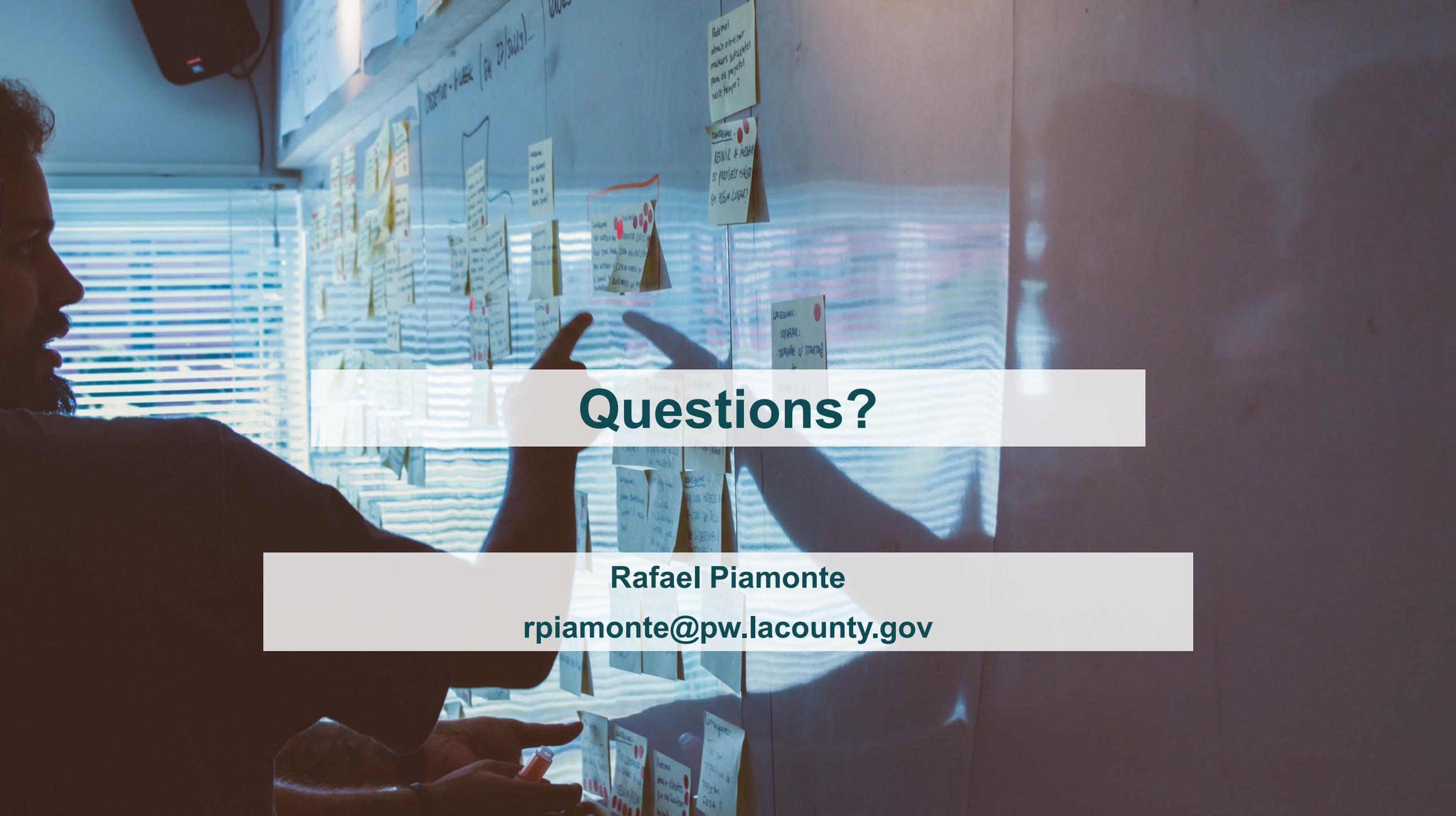


# Leveraging Funds and Community Support



The Scoring Committee confirmed this score on 12/1/2022

- Leveraging Funds
  - Los Angeles County General Funds
  - Safe, Clean Water Municipal Funds
  - >50% Funding Matched
- Community Support
  - Multiple awards received
    - American Council of Engineering Companies (ACEC-CA)
    - American Society of Civil Engineering (ASCE)
    - American Society of Landscape Architects (ASLA)
    - National Association and Flood & Stormwater Management Agencies (NASFMA)
    - California Stormwater Quality Association (CASQA)
  - LA Residents, as interviewed by the LA Times

A person is shown in profile on the left, looking towards a wall covered in numerous sticky notes and diagrams. The person's hands are visible, pointing at a specific note. The room has large windows with blinds in the background, and the overall lighting is dim and blue-toned. The sticky notes contain various handwritten notes and diagrams, including one with a red circle and dots.

# Questions?

**Rafael Piamonte**

**[rpiamonte@pw.lacounty.gov](mailto:rpiamonte@pw.lacounty.gov)**

An aerial photograph of the Los Angeles coastline and city grid, showing the ocean on the left and the city extending inland to the right. The image is used as a background for the title slide.

# Hollenbeck Park Lake Rehabilitation Project

Funding Program – Infrastructure

Fiscal Year 2023-2024

Upper Los Angeles River

City of Los Angeles, LA Sanitation & Environment

Presenter: Kevin Ho, Acting Civil Engineer

Previously Awarded TRP – No



# Project Overview

The proposed project is to implement a multi-benefit stormwater project that will improve water quality in Boyle Heights and ULAR watershed.

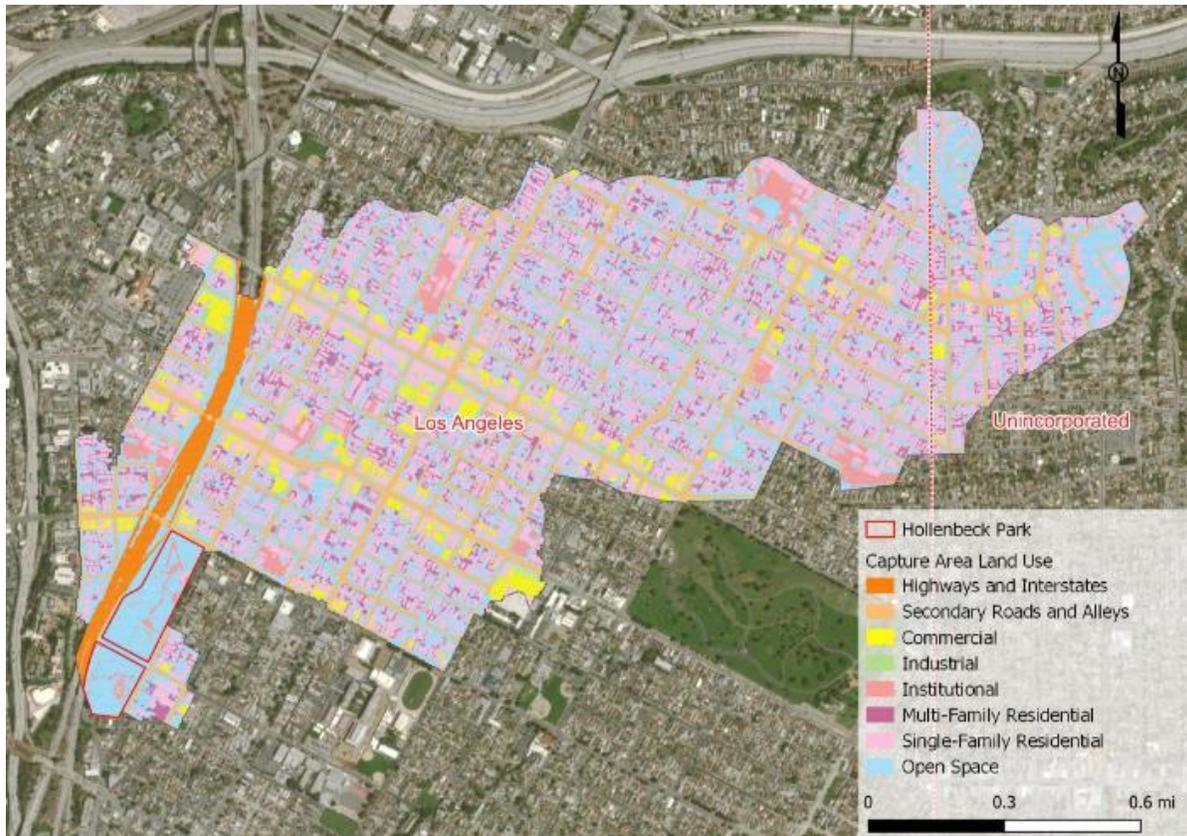
- Primary Objective: Improve water quality and increase water supply with the use of stormwater diversions, capture, and treatment structures and green street network components
- Secondary Objective: Enhance recreational and education opportunities as well as provide aesthetically appealing green spaces for residents of the Boyle Heights community
- Project Status – Planning, Design, & Construction
- Total Funding Requested: \$25,161,316



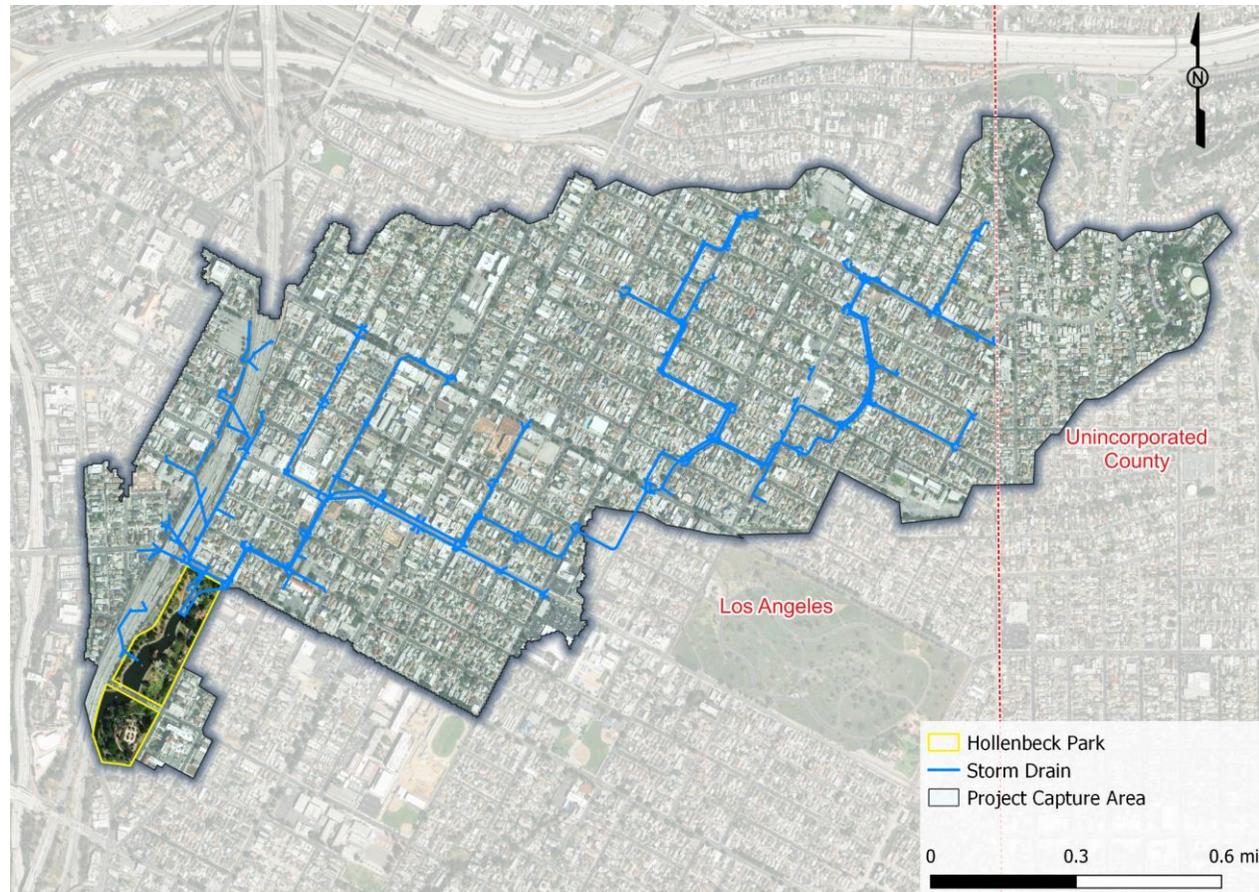




# Project Location



Project Land Use

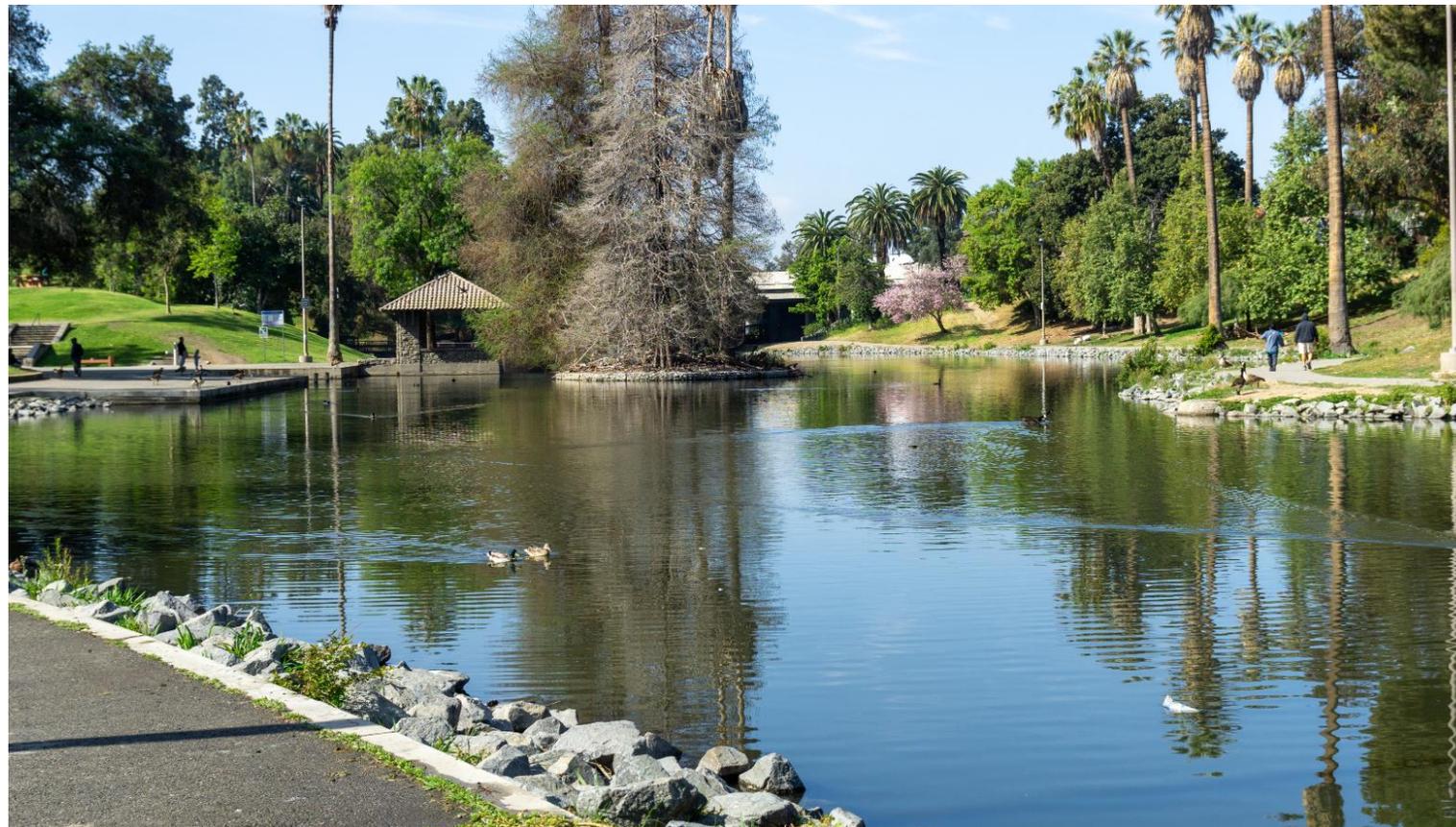


Project Drainage Area



# Project Background

- Hollenbeck Park Lake has a history of water quality concerns, the existing area has minimal existing stormwater and green infrastructure, and the Project is located within a Disadvantaged Community
- Included in the ULAR EWMP-Subwatershed No. 638449





# Project Background

- Benefits to municipality/municipalities:
  - Capable of capturing 340.9 AF of dry weather runoff annually
  - Removes existing need of 43.3 AF of potable water demand annually to the Lake
  - Improved Lake water quality and increased water infiltration to groundwater aquifers





# Project Background

- Disadvantaged Community (DAC) Benefits:
  - Improved flood management and flood risk mitigation.
  - Enhanced park space and recreational opportunities
  - Additional trees and greening to provide improved air quality, reduction of heat island effect, and increased carbon sequestration.
  - Increased educational opportunities about stormwater and water resources.





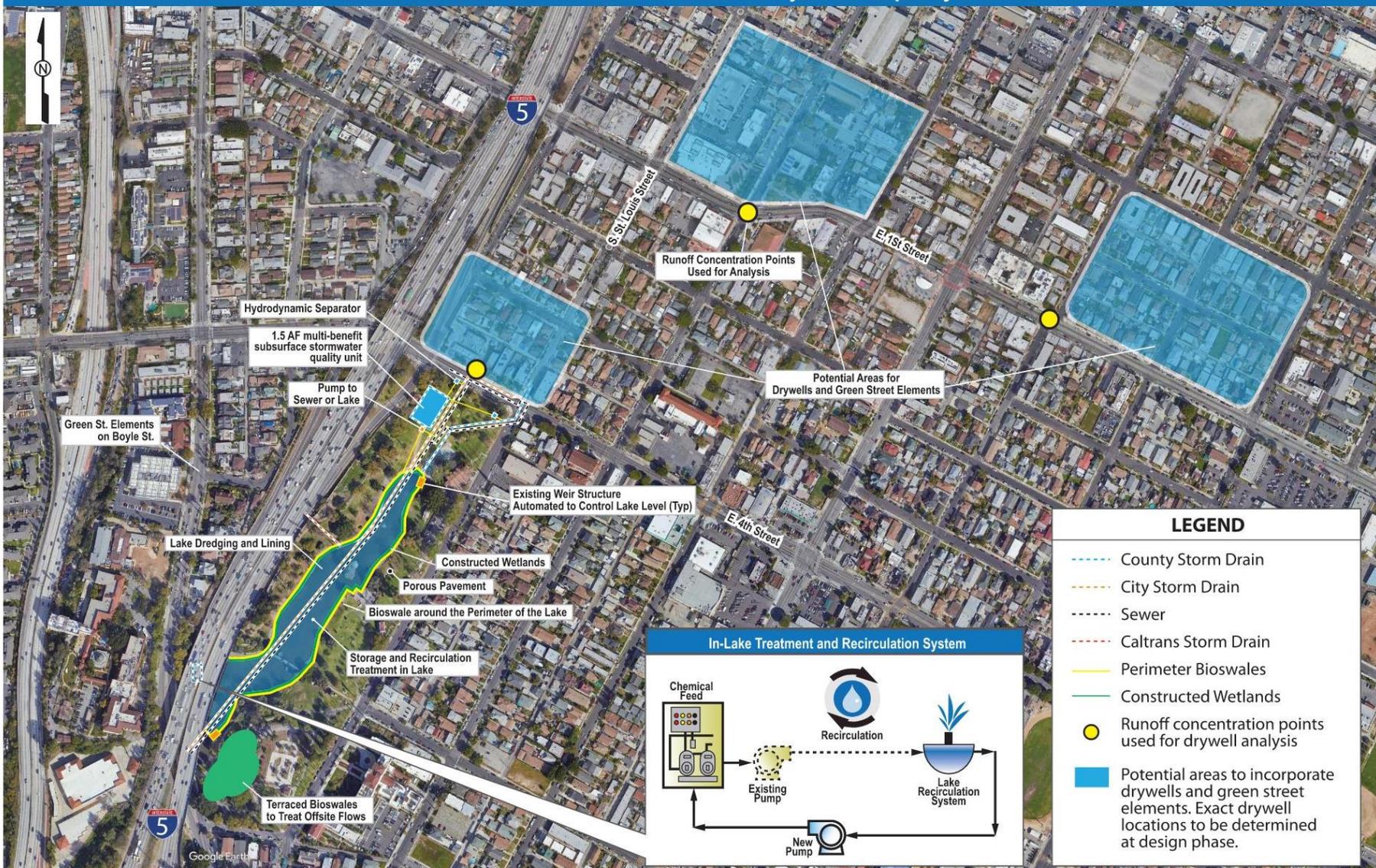
# Partners

- Implementation Partners: LA Recreation And Parks
- Supporting Communities/Groups:
  - Council District 14
  - Promesa Boyle Heights
  - Social Recovery Model Systems
- Letter of concurrence from the Flood Control District:
  - Received
- Vector Control District will be engaged during design



# Project Details

## Hollenbeck Park Lake Rehabilitation Project Concept Layout



### Project to include:

- 2 diversions from City storm drain and County storm drain
- Subsurface storage and multi-benefit water quality unit
- Green recirculation feature
- 18 drywells
- Approximately 50 trees
- Terraced bioswales and greenery



# Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Engineering, Legal, & Administrative (ELA)	\$1,257,636	YR1-FY23/24
Design	ELA	\$12,695,922	YR3-FY25/26
Construction	Including Contingencies	\$29,495,096	YR5-FY27/28
Monitoring	Baseline, Project Effectiveness, Long-term O&M	\$647,848	Continued after Project Construction
O&M	50-Year Life Cycle	\$496,451	After Project Construction
<b>TOTAL</b>		<b>\$44,592,953</b>	
Leveraged Funds	City Services, Prop O, and Earmark State Matching Funds	\$19,431,637	

- Project Lifespan of 50 years & Annualized Project Cost of \$1,446,325



# Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$482,582	Planning and Monitoring	Preliminary design and baseline monitoring, YR1-FY23/24
2	\$1,658,979	Design and Monitoring	Design and baseline monitoring, YR2-FY24/25
3	\$1,687,479	Design and Monitoring	Final Design and continued monitoring, YR3-FY25/26
4	\$9,247,548	Construction	Construction, project effectiveness monitoring, YR4-FY26/27
5	\$12,159,728	Construction	Post-Construction, Optimization, and First Year of O&M, YR5-FY27/28
<b>TOTAL</b>	<b>\$25,161,316</b>		

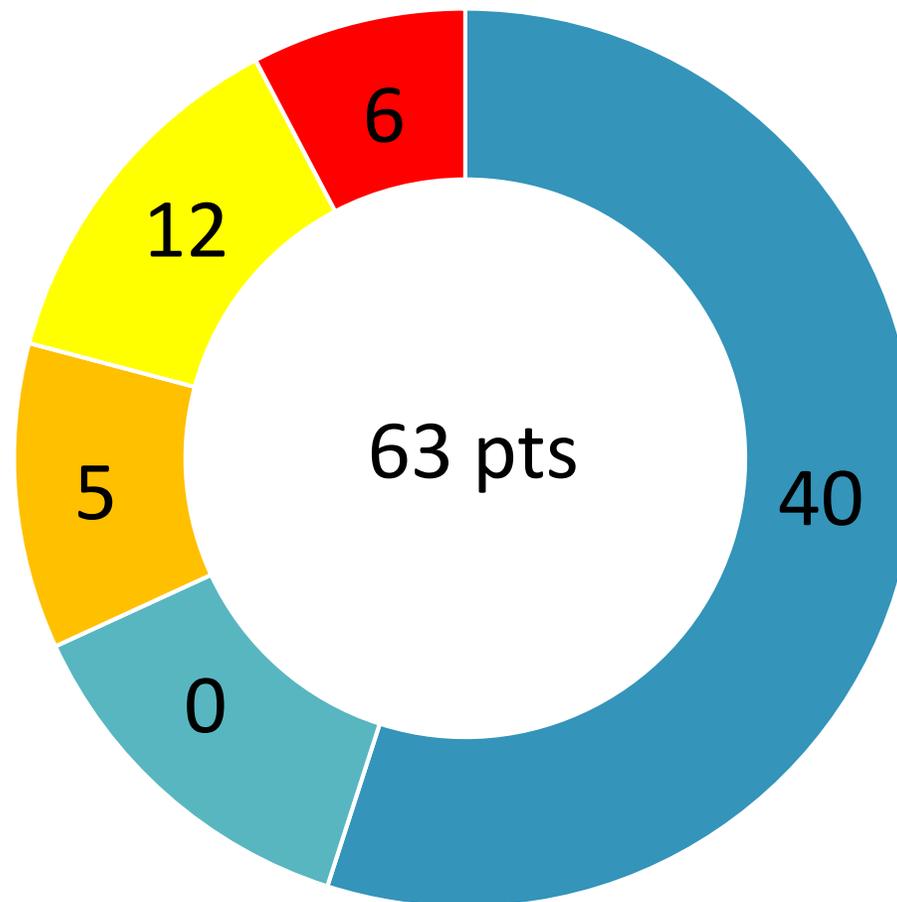
- 43.6% of funding matched (City Services, Prop O, and Earmark Matching Funds)



# Preliminary Score

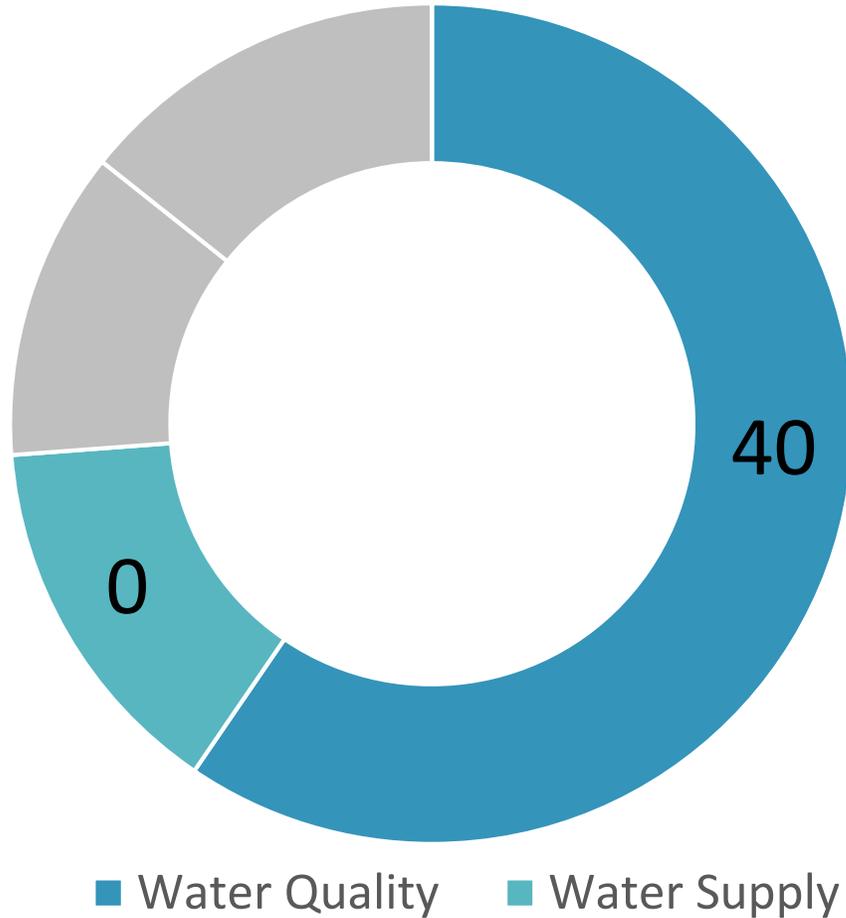
The Scoring Committee confirmed this score on 12/1/22

- Water Quality
- Water Supply
- Community Investments
- Nature Based Solutions
- Leveraged Funds and Community Support





# Water Quality & Water Supply Benefits

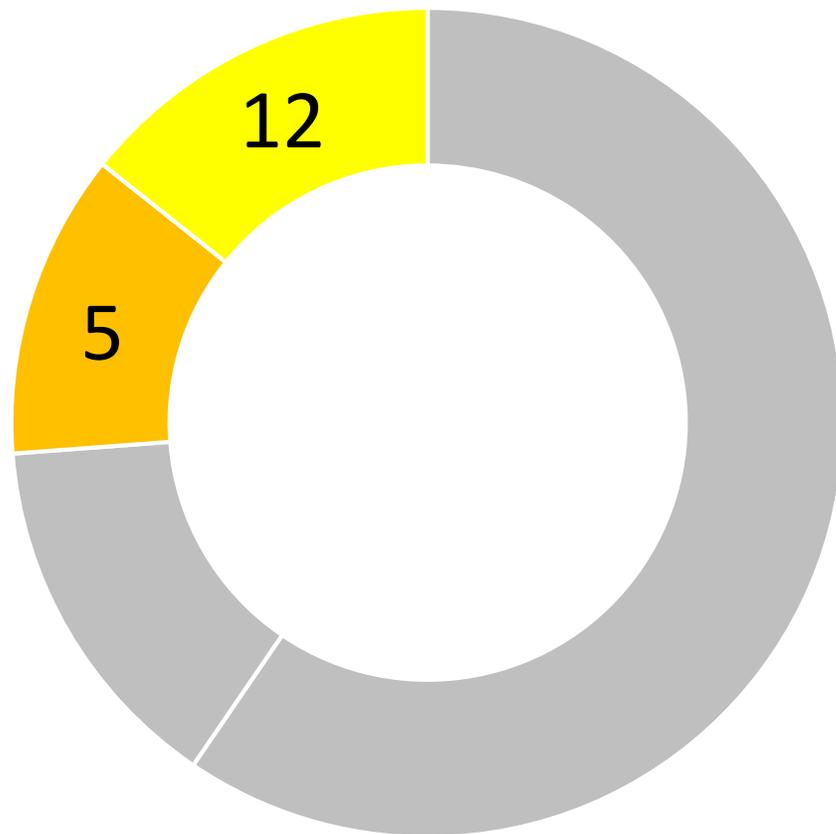


- Water Quality
  - Dry Weather Project captures all dry weather flows
  - 340.9 AF of dry weather runoff captured annually

The Scoring Committee confirmed this score on 12/1/22



# Community Investment Benefits and Nature Based Solutions

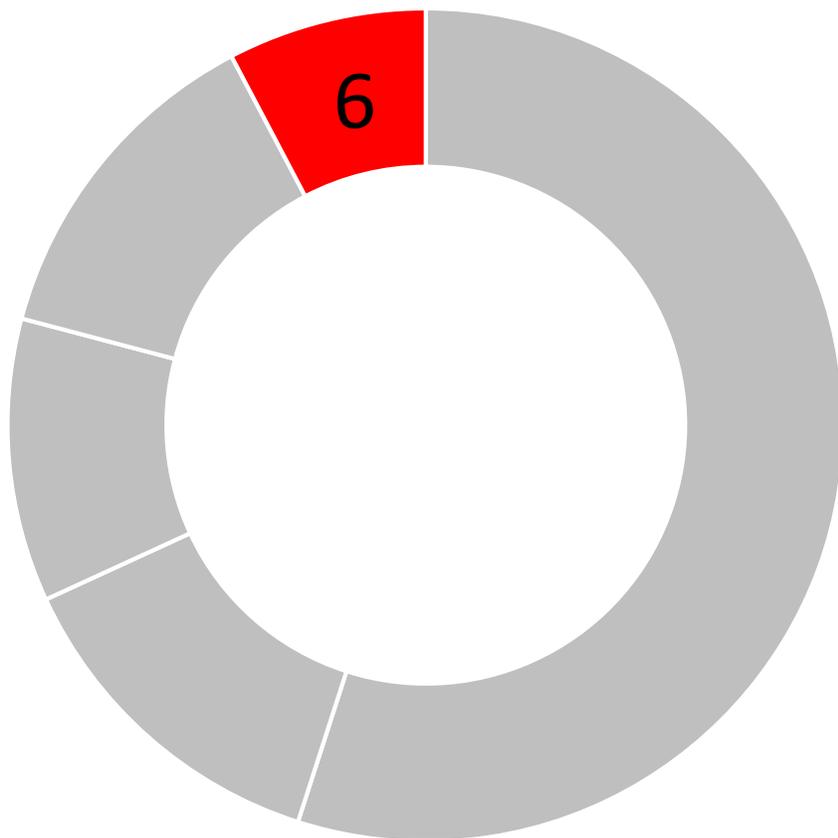


■ Community Investments    ■ Nature Based Solutions

- (5) Community Investment Benefits
  - Improved flood mitigation
  - Restoration of parks
  - Enhanced recreational opportunities
  - Increased shade
  - Carbon sequestration
- Nature Based Solutions
  - Implements natural processes and mimics natural processes
  - Use of California-native vegetation
  - Reduction of impervious area



# Leveraging Funds and Community Support



■ Leveraged Funds and Community Support

- Leveraging Funds
  - The City has identified matching funds from LASAN, Proposition O, and City Earmark Funding
  - Potential funding opportunities from Caltrans
  - 43.6% of funding will be matched
- Community Support
  - Project received positively by local community
  - Letters of Support received from CD 14 and Promesa Boyle Height (NGO)
  - Additional Letters of Support are expected to be received

The Scoring Committee confirmed this score on 12/1/22



Questions?

An aerial photograph of Los Angeles, California, showing the coastline, the city grid, and the surrounding mountains. The image is partially obscured by a dark teal overlay on the left side where the text is placed.

# Sylmar Channel Project

Funding Program – Infrastructure Program

Fiscal Year 2023-2024

Upper Los Angeles River

City of Los Angeles, LA Sanitation & Environment

Presenter : Lorena Matos, Landscape Architect

Previously Awarded TRP: No



# Project Overview

The proposed project will implement a multi-benefit stormwater project that will improve water quality in Sylmar and ULAR watershed.

- Primary Objective: Improve the existing Sylmar Channel and implement greet street elements to increase water supply & improve water quality.
- Secondary Objectives: Enhance safety and recreational opportunities for the neighborhood
- Project Status – Funding Request for: Planning, Design, & Construction
- Total Funding Requested: \$5,005,515

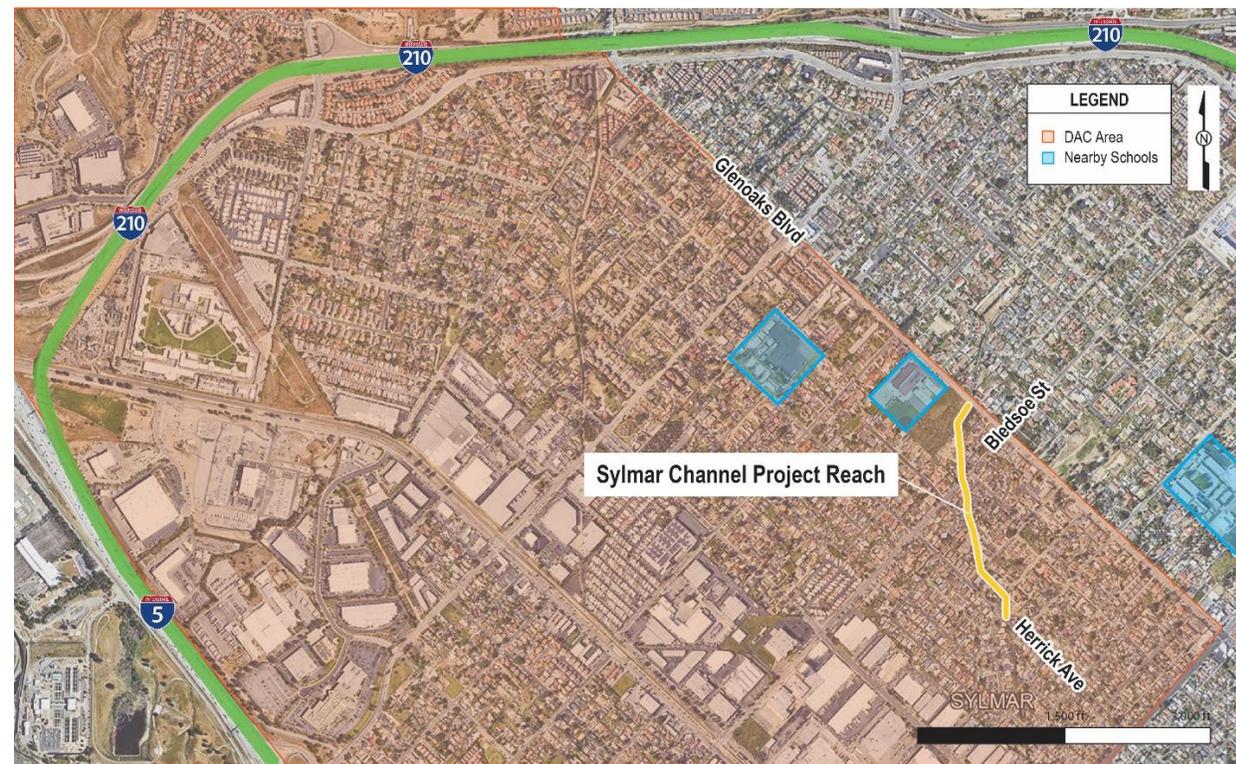




# Project Location



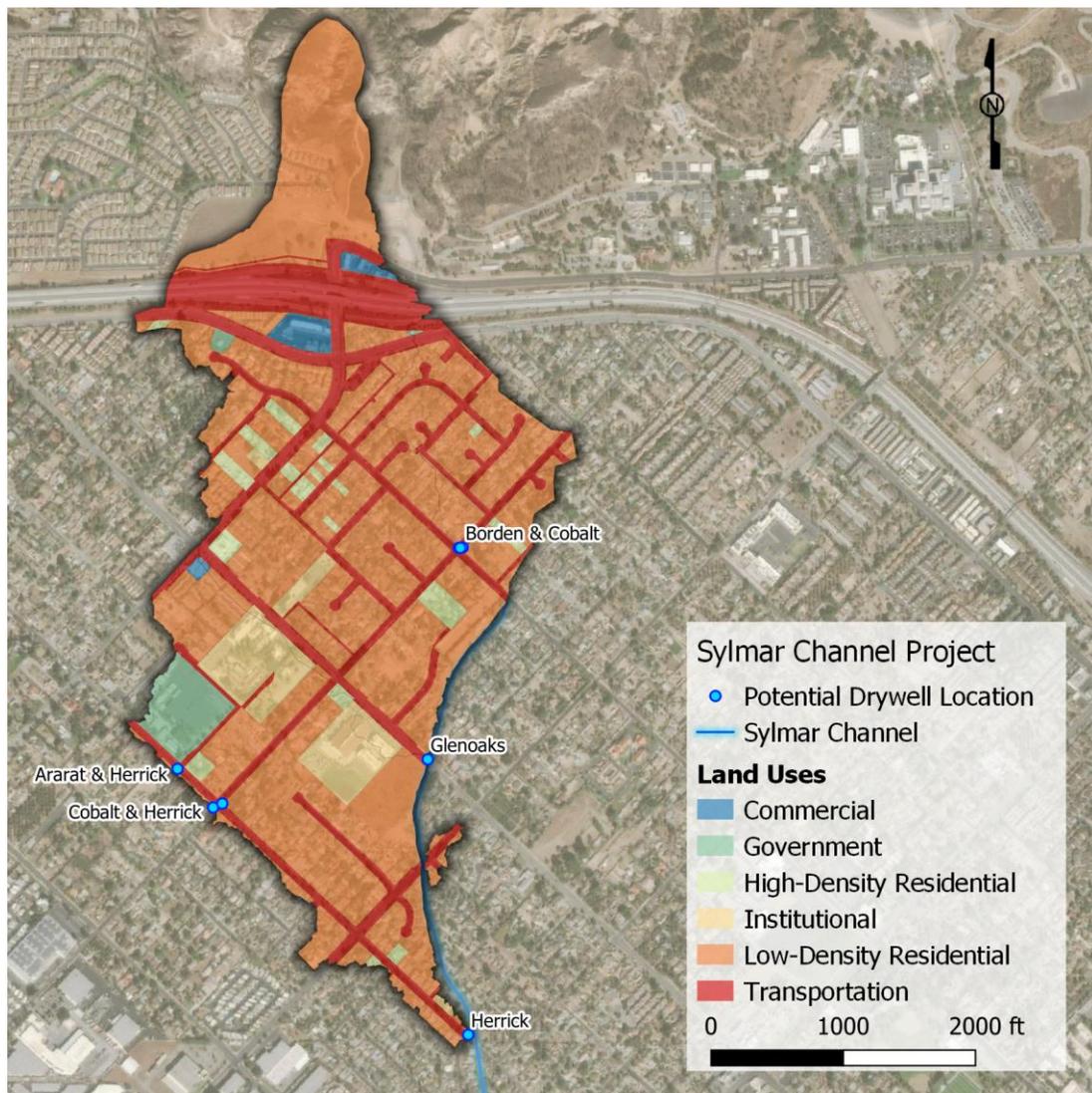
Project Location



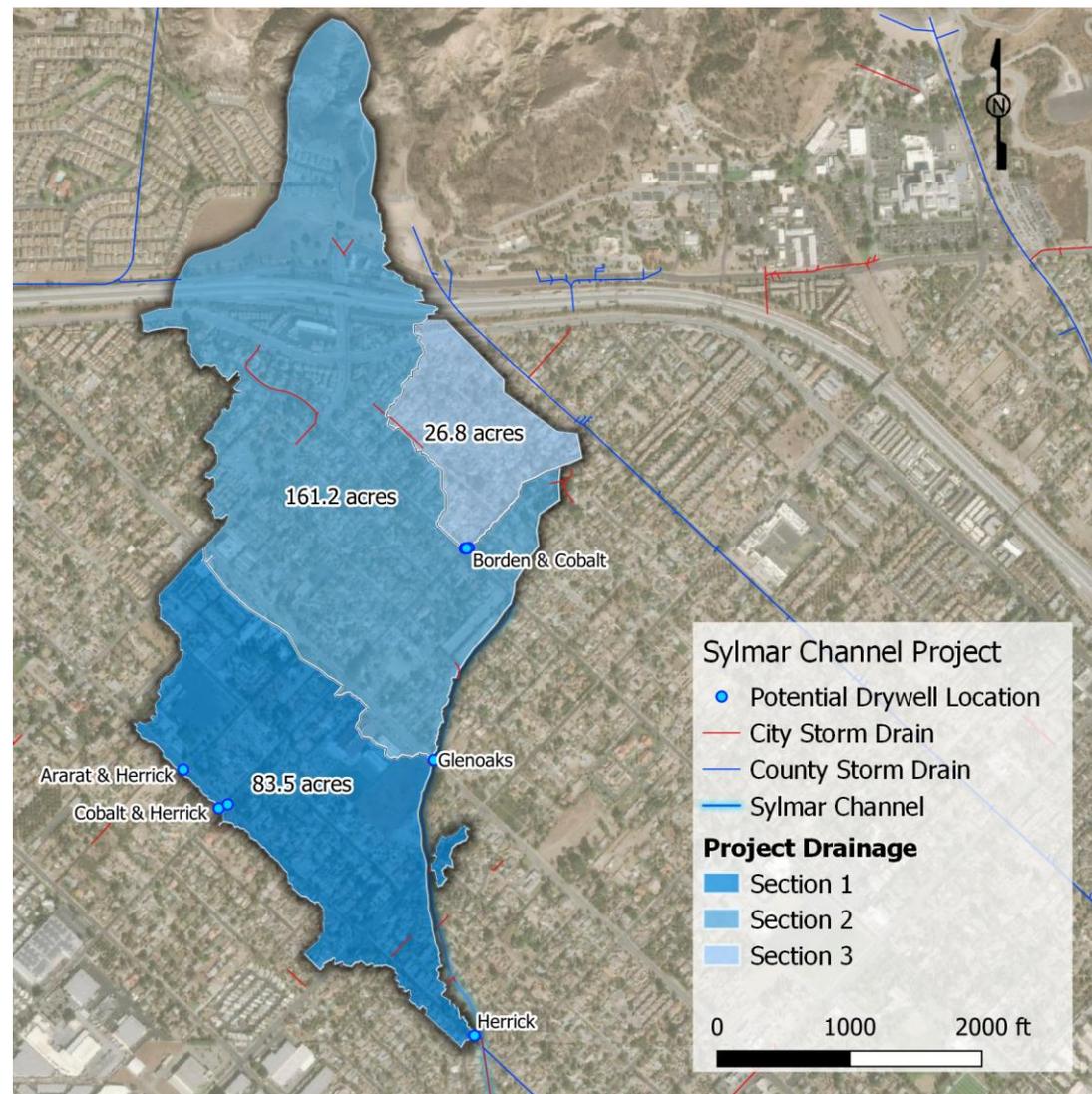
Disadvantaged Community (shown in orange)  
Location Map



# Project Location



Drainage and Land Uses

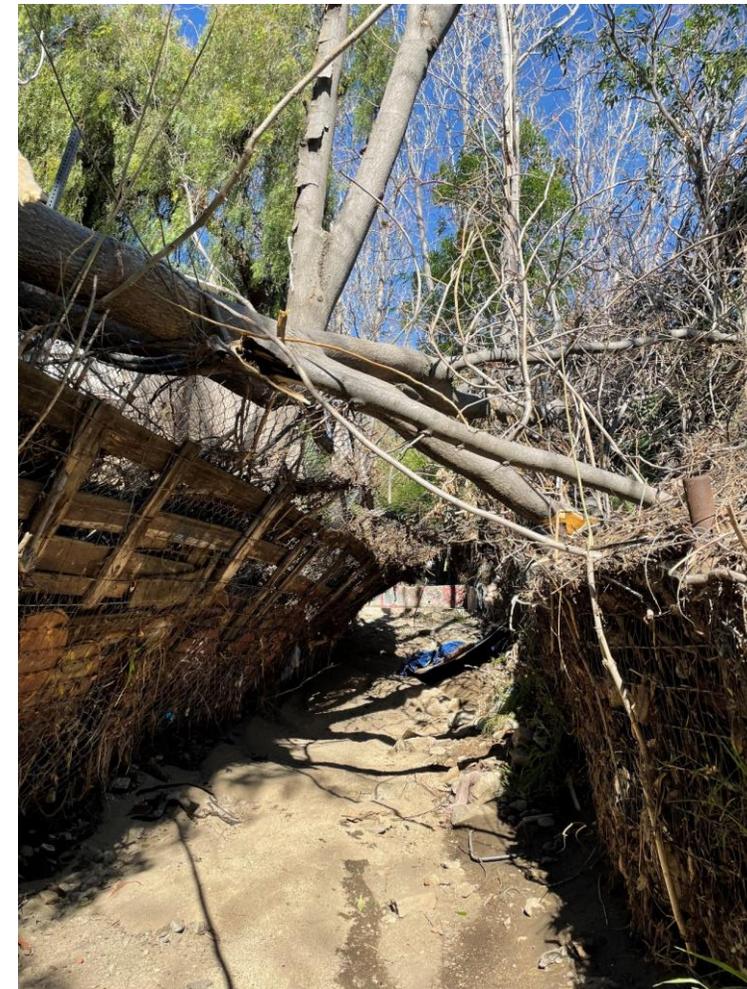
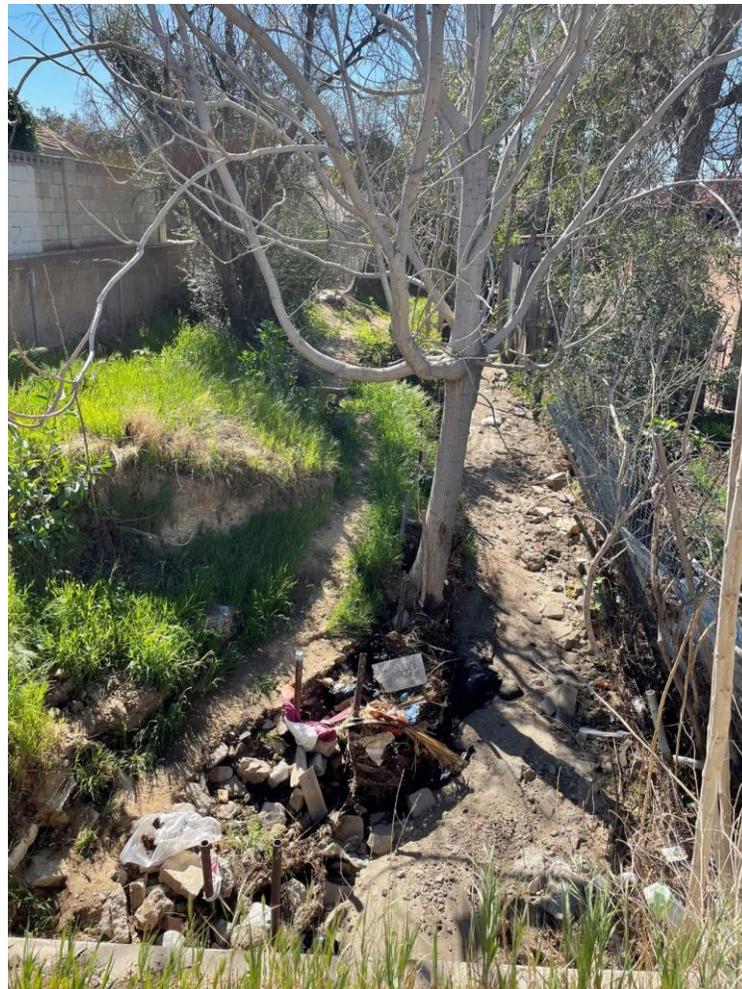


Project Drainage Area



# Project Background

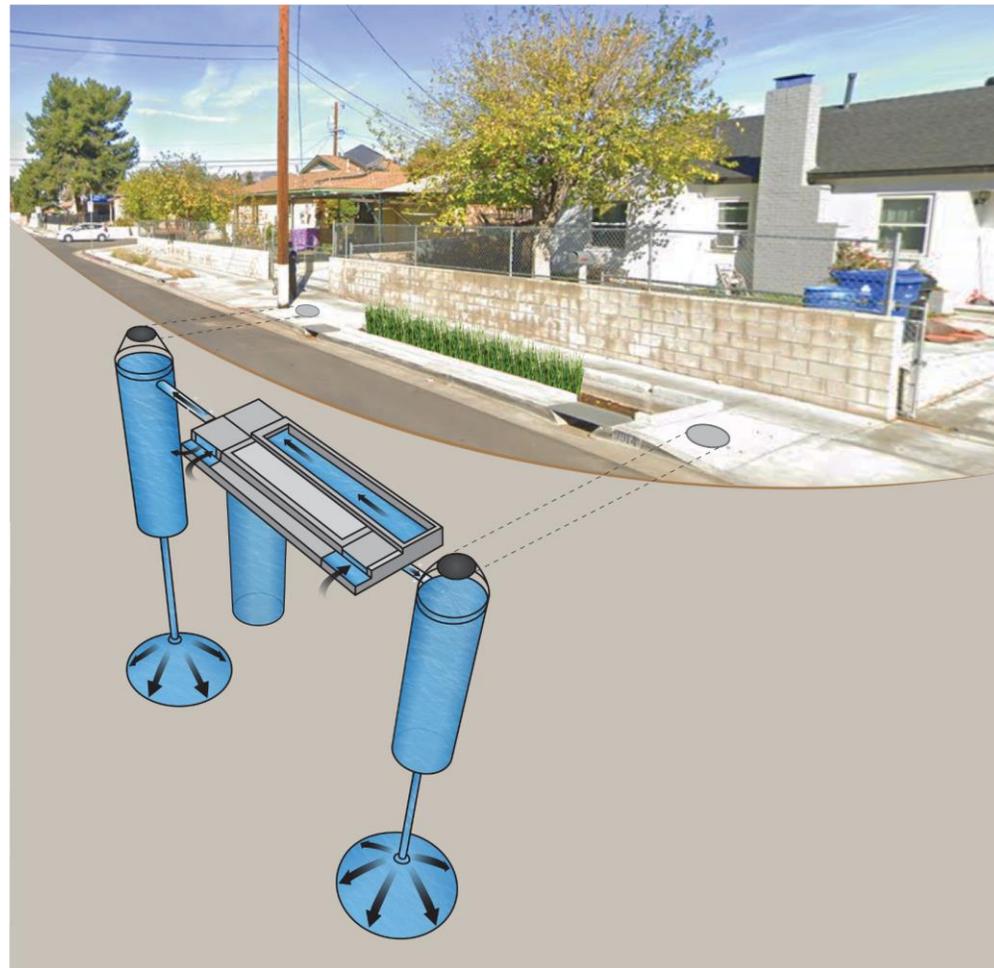
- Sylmar Neighborhood has a history of water quality concerns, the existing area has minimal existing stormwater and green infrastructure, and the Project is located within a Disadvantaged Community.
- Included in the ULAR EWMP-Subwatershed No. 690449





# Project Background

- Benefits to municipality/municipalities:
  - Capable of capturing 206.2 AF of runoff annually
  - 85<sup>th</sup> Percentile storm volume of 26.2 AF
  - Removal of 80.3% of zinc and 100% of trash from captured runoff.





# Project Background

- Disadvantaged Community Benefits:
  - Improved flood management and flood risk mitigation.
  - Additional trees and greening to provide improved air quality, reduction of heat island effect, and increased carbon sequestration.
  - Reduction in pollutants from local runoff.
  - Increased educational opportunities about stormwater and water resources.



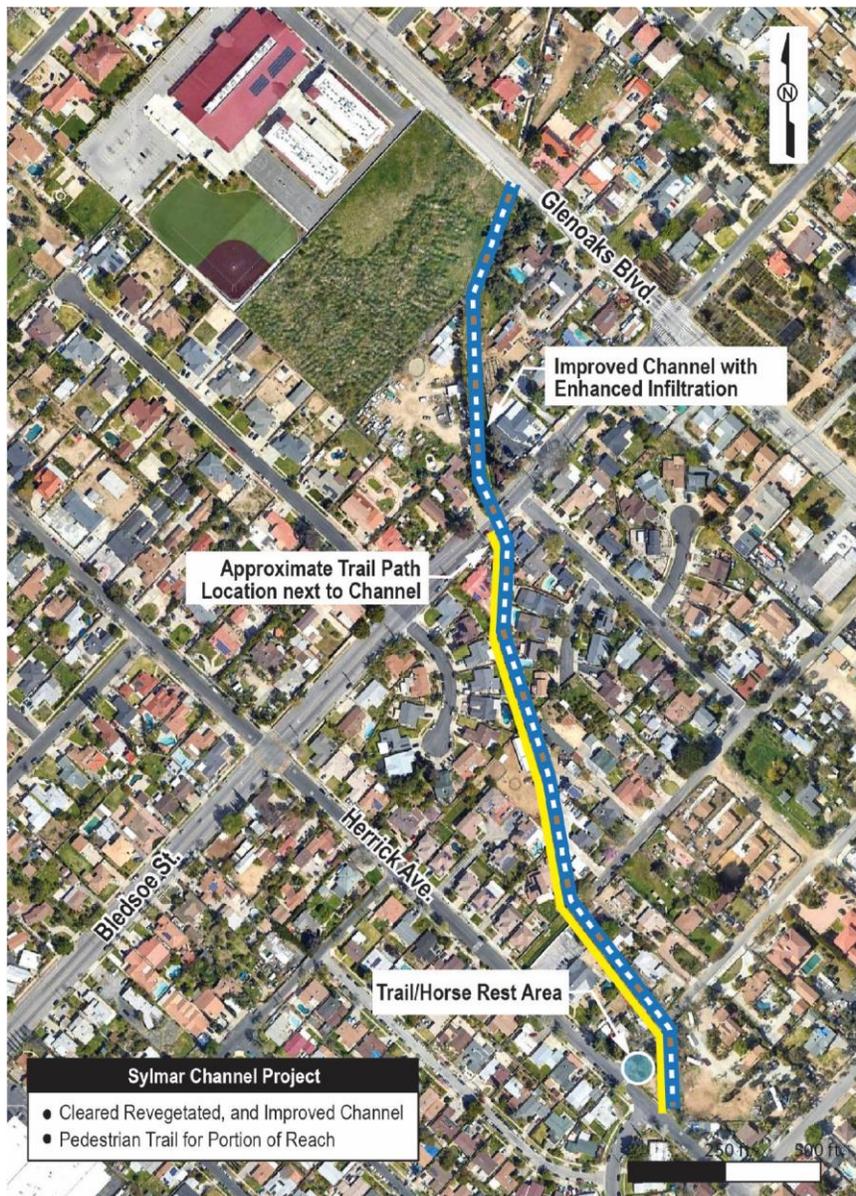


# Partners

- Implementation partner: LADWP
- Groups that have expressed support for the project:
  - Council District 7
  - Pacoima Beautiful
  - North East Trees
  - Tia Chucha's Centro Cultural & Bookstore
  - Sylmar Christian Fellowship Church
  - Fernandeno Tatviam Band of Mission Indians Tribale Historic and Cultural Preservation Department
  - Los Angeles Walks



# Project Details

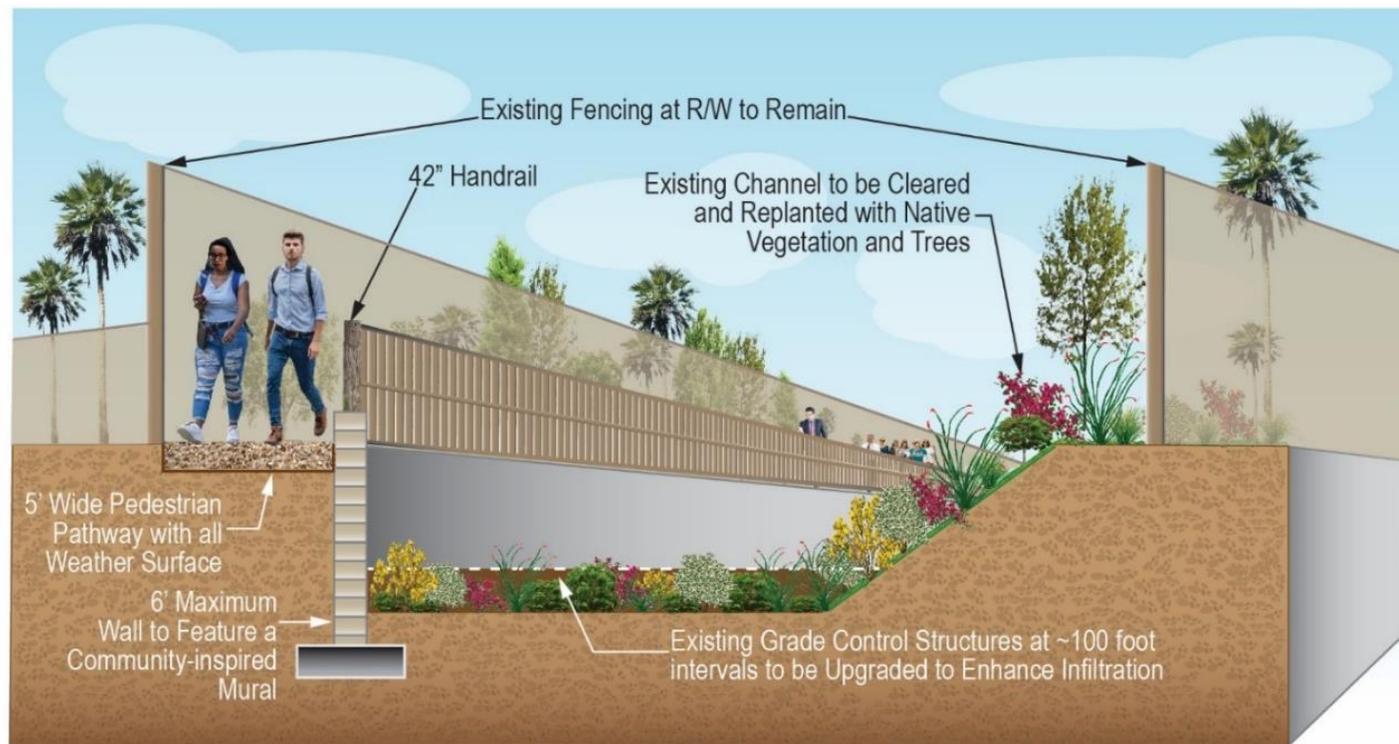


Project to include:

- **2,200 ft of channel improvement & enhanced infiltration**
- **9,000 sf of bioretention added to channel perimeter**
- **25 drywells**
- **Approximately 45 trees**
- **Removal and replacement of 700 sf of impervious surfaces with Bioswales and Vegetation**
- **1,320 ft All-Weather Surface Pedestrian footpath**



# Project Details



## Project to include:

- 2,200 ft of channel improvement & enhanced infiltration
- 9,900 sf of bioretention added to channel perimeter
- 25 drywells
- **Approximately 45 trees**
- **Removal and replacement of 700 sf of impervious surfaces with Bioswales and Vegetation**
- **1,320 ft All-Weather Surface Pedestrian footpath**



# Cost & Schedule

Phase	Description	Cost	Completion Date
Planning	Engineering, Legal, & Administrative (ELA)	\$332,067	YR1-FY23/24
Design & CM	ELA and CM	\$2,831,135	YR2-FY24/25
Construction	Including 40% Contingency	\$6,609,551	YR4-FY26/27
Monitoring	Monitoring Planning, hydrology-based modeling and water quality sampling	\$140,000	YR1-FY23/24, YR4-FY26/27, & Post-Construction
O&M	50-Year Design Life Cycle	\$101,864	YR4-FY26/27
<b>TOTAL</b>		<b>\$10,014,617</b>	
Leveraged Funds	City Services & LADWP matching funds	\$5,009,101	YR1-YR4

- Project Lifespan of 50 years & Annualized Project Cost of \$316,850



# Funding Request

Year	SCW Funding Requested	Phase	Efforts during Phase and Year
1	\$790,584	Planning, Design, and Monitoring	Planning, preliminary design and baseline monitoring, YR1-FY23/24
2	\$688,517	Design	Final design, construction management, YR2-FY24/25
3	\$1,654,775	Construction	Start of construction, YR3-FY25/26
4	\$1,871,639	Construction and Monitoring	Construction completion, project effectiveness monitoring, YR4-FY26/27
<b>TOTAL</b>	<b>\$5,005,515</b>		

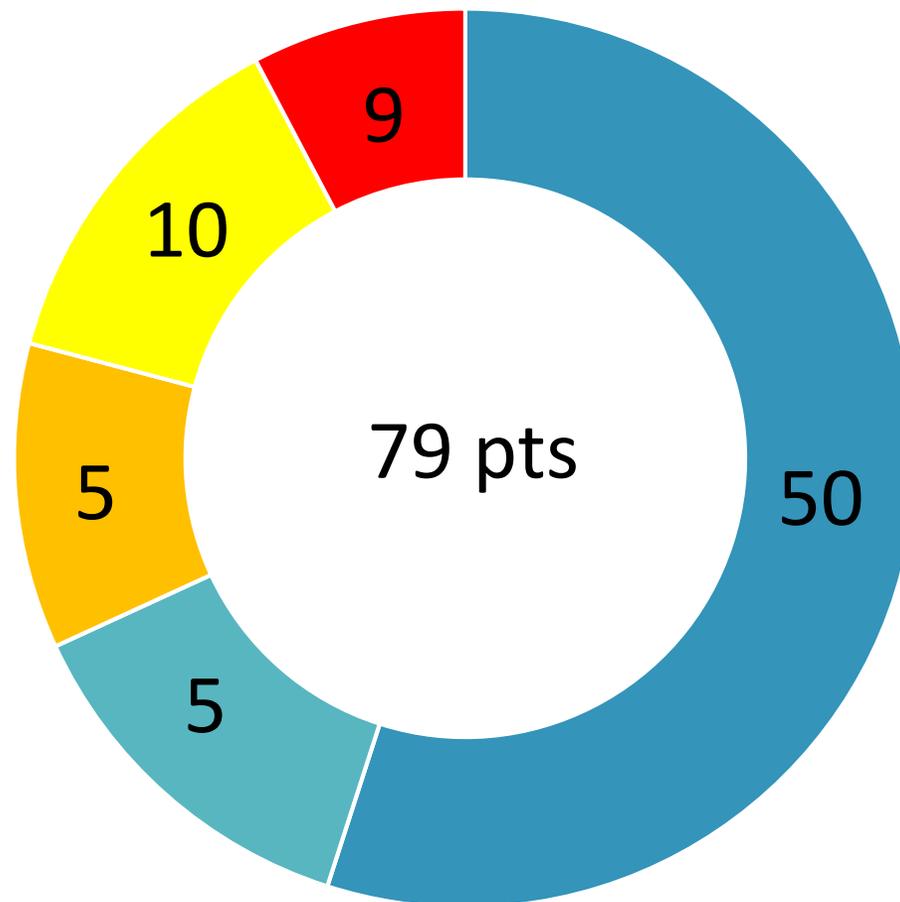
- 50% of funding matched (LADWP and City Services)



# Preliminary Score

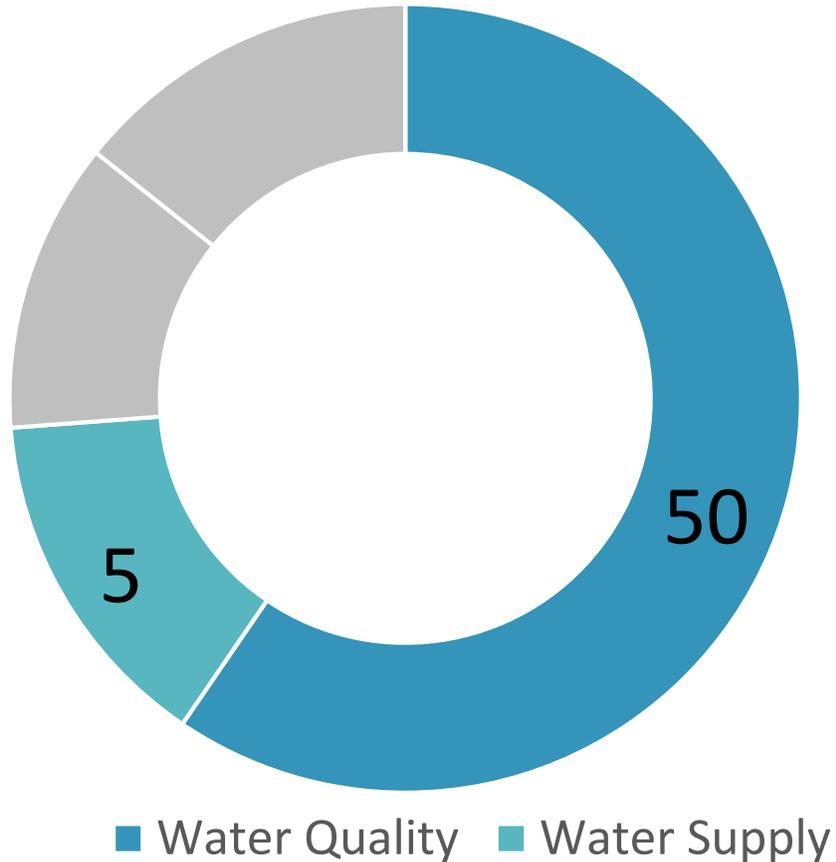
The Scoring Committee confirmed this score on 12/1/22

- Water Quality
- Water Supply
- Community Investments
- Nature Based Solutions
- Leveraged Funds and Community Support





# Water Quality & Water Supply Benefits

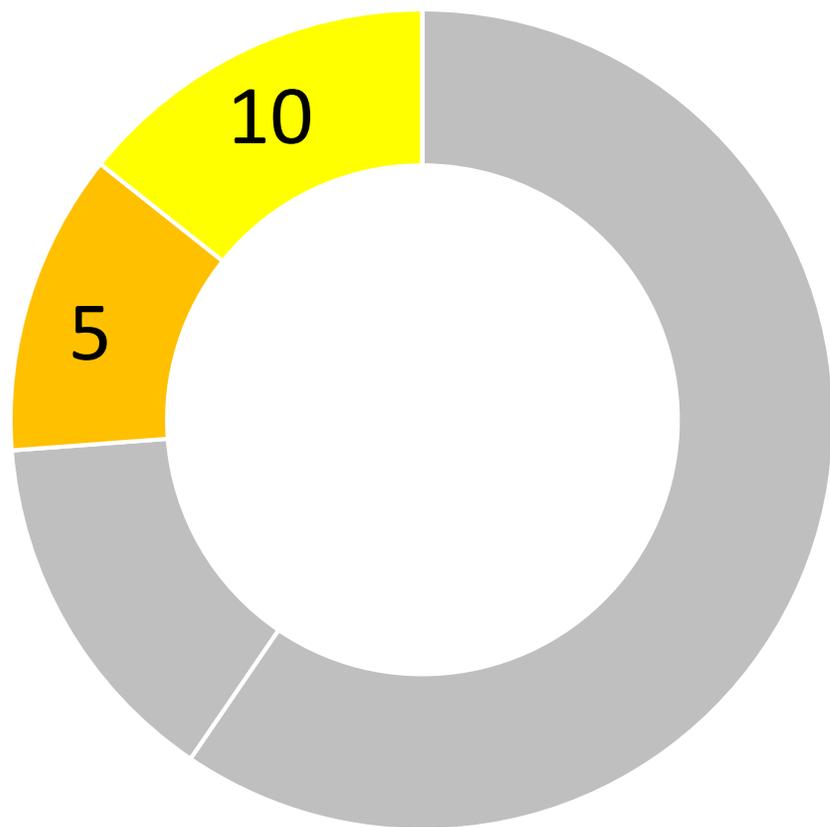


- Water Quality
  - Wet Weather Project
  - Tributary Area: 271.5 ac
  - Water quality effectiveness greater than 1.0 AF/\$-Million threshold
  - 80.3% Primary Load (zinc) reduction
  - 100% Secondary Load (trash) reduction
- Water Supply
  - 206.2 AF/yr of stormwater capture

The Scoring Committee confirmed this score on 12/1/22



# Community Investment Benefits and Nature Based Solutions



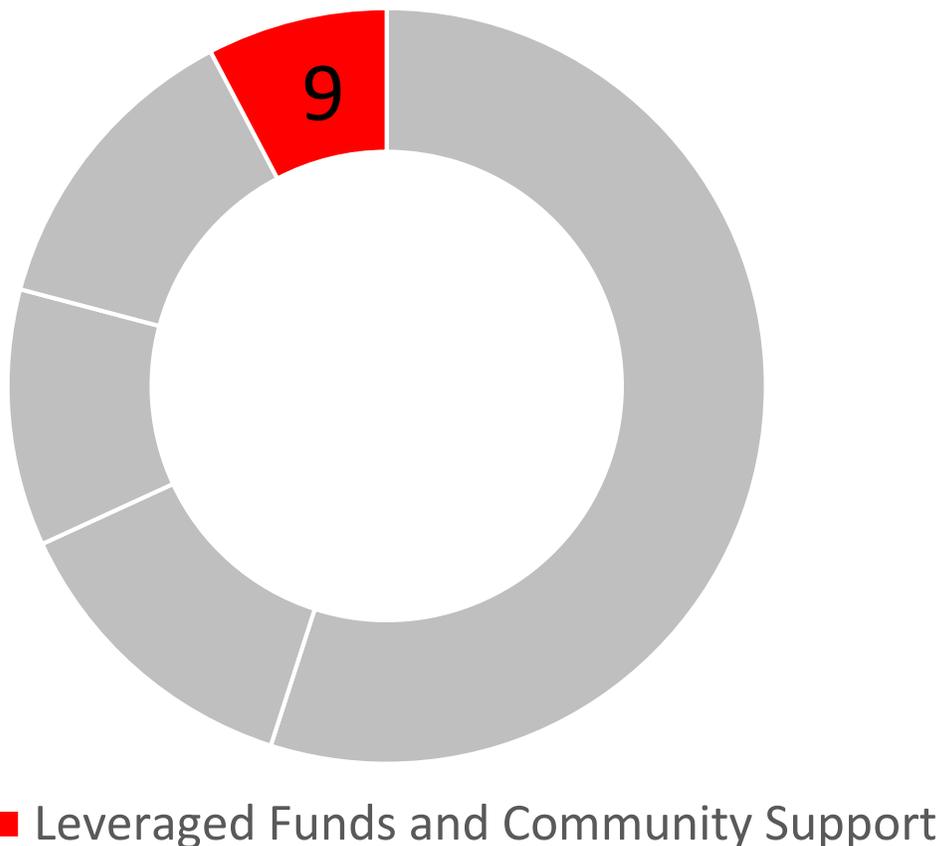
■ Community Investments    ■ Nature Based Solutions

- **(5) Community Investment Benefits**
  - Improved flood mitigation
  - Enhancement and Restoration of Habitat
  - Enhanced recreational opportunities
  - Increased shade
  - Carbon sequestration
- **Nature Based Solutions**
  - Implements natural processes in stormwater runoff infiltration
  - Use of natural materials and California-native vegetation

The Scoring Committee confirmed  
this score on 12/1/22



# Leveraging Funds and Community Support



- **Leveraging Funds**
  - The City has identified matching funding from LADWP and City Services
  - 50% of funding will be matched
- **Community Support**
  - The project has been embraced by the local community
  - Over 20 Letters of Support received from CD 7, LADWP, and Local Community Organizations

The Scoring Committee confirmed this score on 12/1/22



Questions?