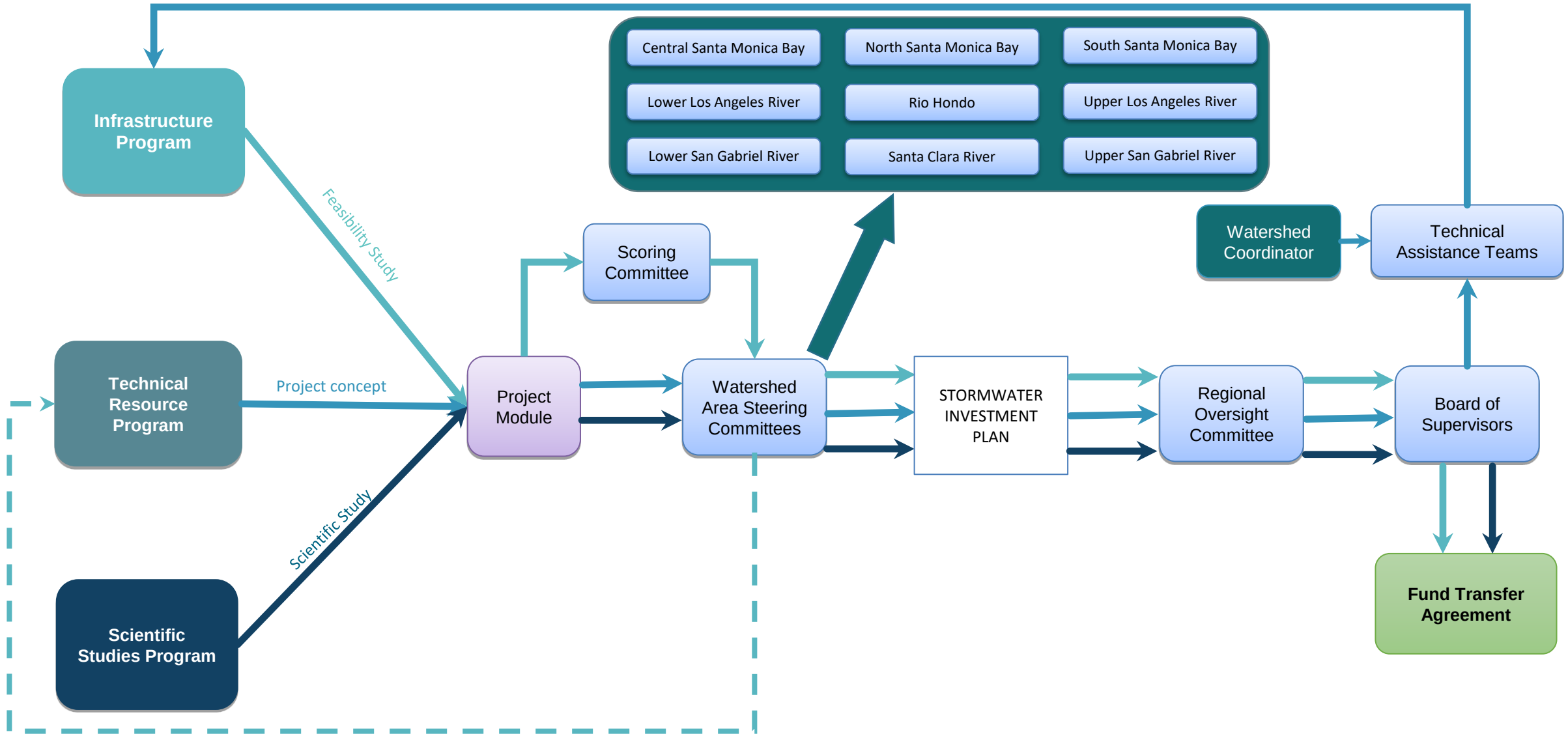
Rio Hondo Watershed FY 24-25 (Year 5) Submitted Projects

Presented to the Rio Hondo WASC

19 September 2023

By Richard Watson & Julie Millett (RWA)

Regional Program Process



Project Summary – S. El Monte High School

- *Received a qualifying score*
- Lead proponent: **El Monte Union High School District**
- TRP Funded in Year 2 (2021-22)
- Total Requested Funds: **$8,753,600 (Year 1 - $1,264,800)**
- Timeline: **Design, CEQA, Permitting – Complete June 2026**
  Construction – Complete Nov 2027
- DAC Benefits Claimed: **Yes - located in a DAC census block**
- Water Quality Benefits include: **Reducing pollutants from runoff through bioretention, filtration, and biological processes**
- Water Supply Benefit: **Not claimed**
- Community investment benefits: **Enhanced recreational opportunities and improved flood management by reducing significant flooding at ball fields; planting 28 new trees.**
- NBS: **Yes. Nature-mimicking bioswales to slow, detain, and capture water to enhance habitat and usable open space.**
- **Five (5) letters of support**

- Location: **1001 Durfee Avenue, South El Monte**

Project BMP Site Plan

- **Portion of campus is leased from the US ACE**

Project Summary – Washington Park Stormwater Capture Project

- *Received a qualifying score*
- Lead proponent: **City of Pasadena**
- TRP Funded in Year 2 (2021-22)
- Total Requested Funds: **$11,771,407 (Year 1: $1,719,900)**
- Timeline: **Planning - 2024-2025; Design – 2025-2026; Bid/Award and Construction – 2026-2027; Monitoring – 2026-2028**
- DAC Benefits: **Yes - located in a DAC census block.**
- Water Quality Benefits include: **Pollutant reduction through bio-retention, filtration, and biological processes.**
- Water Supply Benefit: **Not claimed**
- Community investment benefits: **Reduced flooding issues for the neighboring community through improved stormwater infrastructure; improved park greening; enhanced habitat**
- NBS: **Two bioswales will divert surface runoff flows through vegetative swales**
- **Four (4) letters of support**

- Location: **700 E. Washington Blvd., Pasadena**

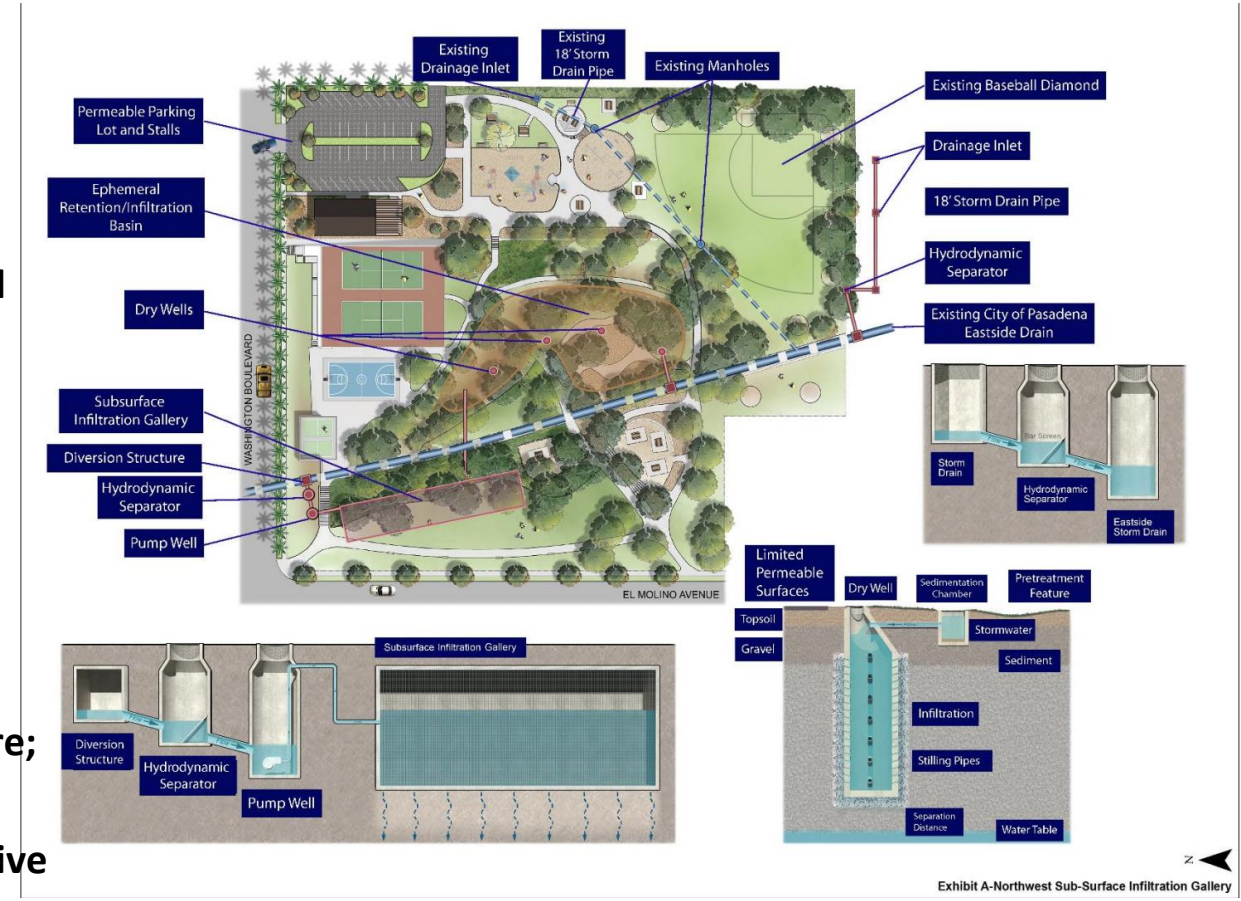
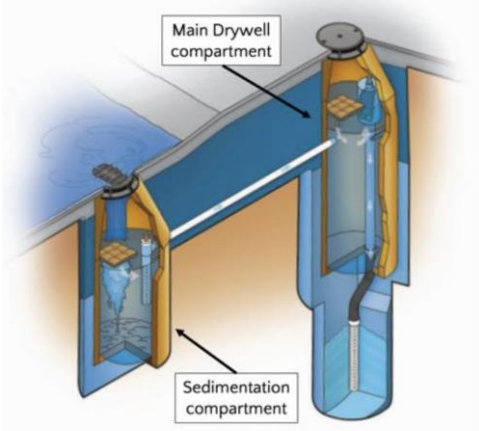


Exhibit A-Northwest Sub-Surface Infiltration Gallery

Project Summary – Scientific Study

- **Identifying Best Practices for Maintaining Stormwater Drywell Capacity**
- Lead proponent: **California State Polytechnic University, Pomona**
- Additional study collaborators: **UCSB, Hydrology Laboratory; Kindred Hydro, Inc., Groundswell Technologies, LLC**
- Total Requested Funds: **$4,951,453 (Total for all 9 Watershed Areas for 5 years)**
- Study Description: **Evaluation of alternative drywell designs, existing pre-treatment practices, and maintenance intervals for maintaining stormwater drywell capacity.**
- Timeline of selected milestones: **Study-site selection: 6/30/2025; Reporting & Publications: 6/30/2029 Outreach & Engagement, O&M, Infiltration Testing: 6/30/2029**
- Water Quality Benefits: **Study results will allow stakeholders to optimize performance and functionality of their systems, leading to improved stormwater treatment, reduced pollutant runoff, and enhanced water quality.**
- Water Supply Benefit: **Implementation of best practice recommendations provided will improve efficiency and long-term performance of drywell systems, thereby increasing capture and recharge in the region.**
- Additional information re: workforce training: **Project seeks to train a diverse group of young engineers, particularly from disadvantaged communities and underrepresented groups. Aspiring engineers will gain hands-on experience and contribute to development of sustainable water management practices.**

Study Year	Funding Requested from Rio Hondo WA
1	$79,989
2	$81,181
3	$82,176
4	$80,937
5	$84,588
TOTAL	$408,871



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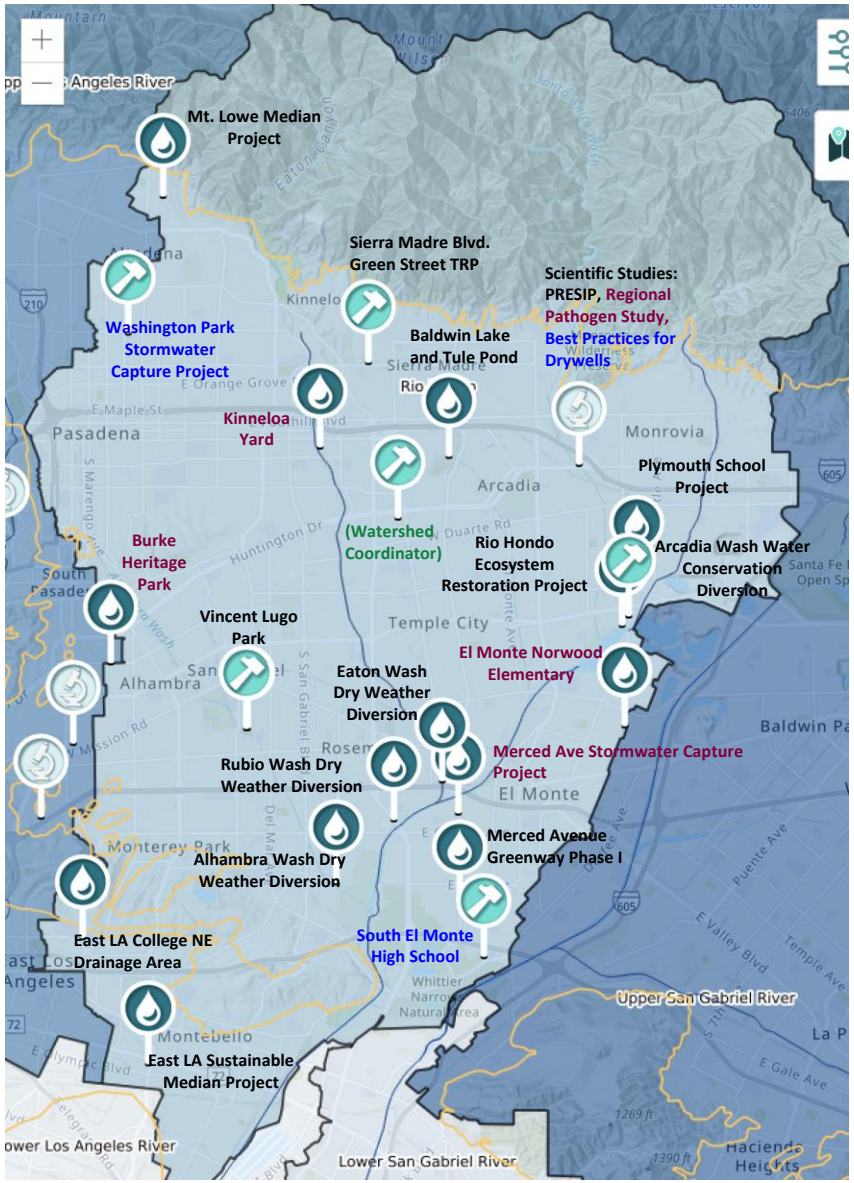
FY 24-25 Submitted Project Summary Table

Project	$ Requested	Regional Water Mgmt Plan	Water Quality Benefit Claimed	Water Supply Benefit Claimed	Community Benefit Claimed	Other Benefits Claimed
South El Monte High School Stormwater Capture Project *(IP)*	**$8,753,600**	IRWMP	Pollutant reduction from runoff through bioretention, filtration, and biological processes	N/A	Enhanced recreational opportunities, improved flood management, improved greening of school campus	DAC: Yes NBS: Yes
Washington Park Stormwater Capture Project *(IP)*	**$11,771,407**	Upper LA River Enhanced Watershed Mgmt. Program (EWMP)	Pollutant reduction through bio-retention, filtration, and biological processes	N/A	Reduced flooding issues for neighboring community through improved stormwater infrastructure; improved park greening; enhanced habitat	DAC: Yes NBS: Yes
Identifying Best Practices for Maintaining Stormwater Drywell Capacity *(Scientific Study)*	**$4,951,453**	N/A	Study results will allow stakeholders to optimize performance and functionality of their systems, leading to improved stormwater treatment, reduced pollutant runoff, and enhanced water quality.	Implementation of recommendations will improve efficiency and long-term performance of drywell systems, increasing capture and recharge in the region.	Workforce – training and development of future stormwater engineering professionals (10-20 students per year), including students from disadvantaged/under-represented communities.	N/A

Rio Hondo Watershed Area – Project Locations



Legend:

- Projects from Program Years 1-3 (2020-21, 2021-22, 2022-23)
- Projects from Program Year 4 (2023-24)
- Projects Submitted for Program Year 5 (2024-25)

Questions and Discussion

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Monrovia Canyon Park, Photo Courtesy City of Monrovia

SAFE CLEAN WATER

Rio Hondo Watershed Area

RWA