

Rio Hondo/San Gabriel River (RH/SGR) Water Quality Group Revised EWMP and Progress Update

May 10, 2018



RH/SGR: Presentation Overview

- **Managed** dialogue surrounding MS4 Permit issues
- **Embraced** collaboration and transparency
- **Observed** water quality improvements
- **Identified** multi-benefit opportunities
- **Adapted** our EWMP into a more rapid, actionable plan
- **Scheduled** to meet clean water goals

Introduction and History



Rio Hondo



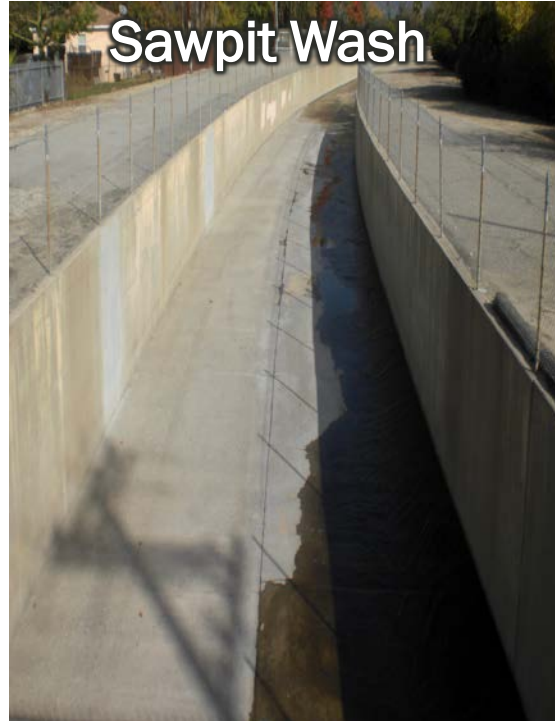
San Gabriel River



Arcadia Wash



Sawpit Wash



Big Dalton Wash



Santa Anita Wash

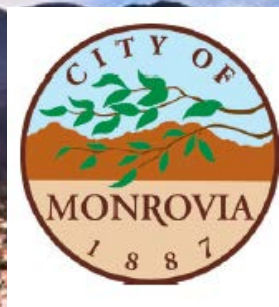
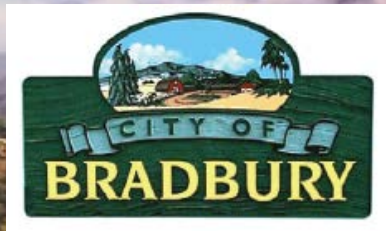
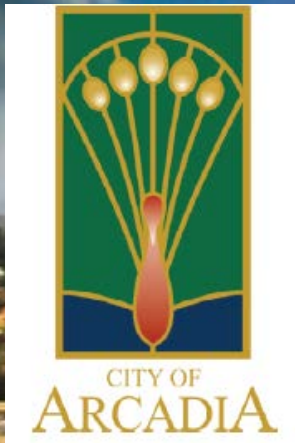
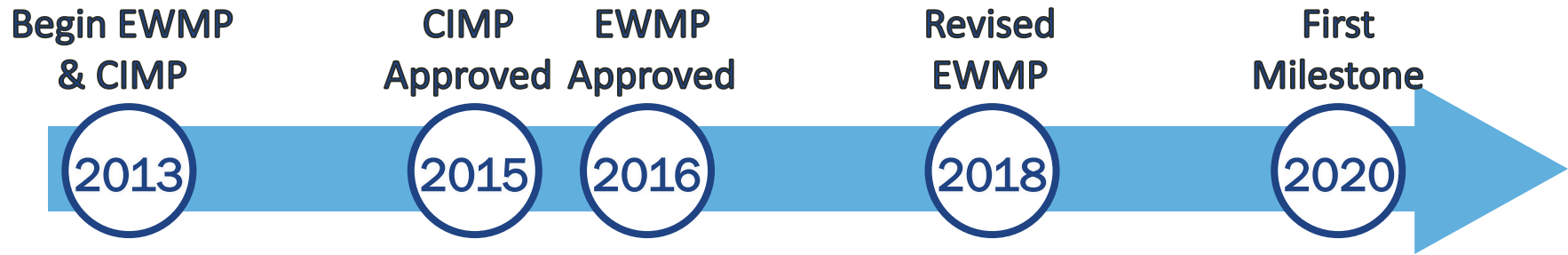


Little Dalton Wash



Introduction and History

- The RH / SGR Water Quality Group includes 6 cities and LA County / LACFCD in foothills of the San Gabriel Valley



EWMP Outcomes and Drivers to Adapt

- Our initial pathway to clean water (i.e., EWMP) included the following components:
 - Enhanced MCMs
 - Redevelopment LID
 - 10 regional projects
 - 436 miles of green streets (80% of total cost)
- Initial Price Tag: \$1.4B

How can we **Adapt**
to Achieve **Clean Water**
Faster and Cheaper?



Regional Concerns About MS4 Permit

- Across the San Gabriel Valley, there have been widespread concerns from policy makers and local government jurisdictions regarding various elements of the MS4 Permit
- More specifically, those concerns have generally been related to the following items:
 - Will implementation of the projects identified in the WMPs / EWMPs result in **MEANINGFUL** improvements to water quality?
 - If the projects outlined in the WMPs / EWMPs are instituted, will the resulting water quality improvements be **MEASUREABLE**?
 - Given the significant costs associated with constructing and maintaining the projects included in the WMPs / EWMPs, are plans actually **ACHIEVABLE**?



Collaborate, Adapt

Better EWMP

- Meaningful Clean Water
- Measurable Clean Water
- Achievable Clean Water



Do Nothing

EWMP

Clean Water... maybe???

We Started By Talking With The Regulators...

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RIVER
WATER QUALITY GROUP



CALIFORNIA

WATER BOARDS

Los Angeles - R4

...Which Evolved Into Further Discussions...

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RIVER
WATER QUALITY GROUP



...Resulting in Collaboration and Total Transparency with Members of the Clean Water Ecosystem!



Efforts Engaged to Create an Ecosystem in our Region to Support Clean Water

- Additional efforts have been engaged to create regional support for clean water
 - Lobbied in Washington to preserve WRDA grant for watershed restoration projects
 - Revived Arboretum Work Group
 - Led watershed outreach events
 - Supported LID and urban greening policies
- ...but not everyone has been supportive.





And Our Team Took Another Look At The Data



- Our group has been actively monitoring water quality through our Coordinated Integrated Monitoring Program (CIMP) framework
- The data we had collected illustrated improvements thanks to minimum control measures



And Our Team Took Another Look At The Data



- Our group has been actively monitoring water quality through our Community Involvement Monitoring Program (CIMP)
- The group had collected improved data thanks to improved control measures
- This new data was used to help drive the development of a new and enhanced water model

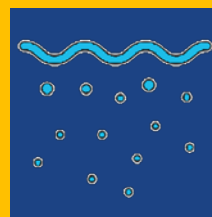
TRASH



METALS



SEDIMENT



ORGANIC MATTER



IMPROVING

IMPROVING

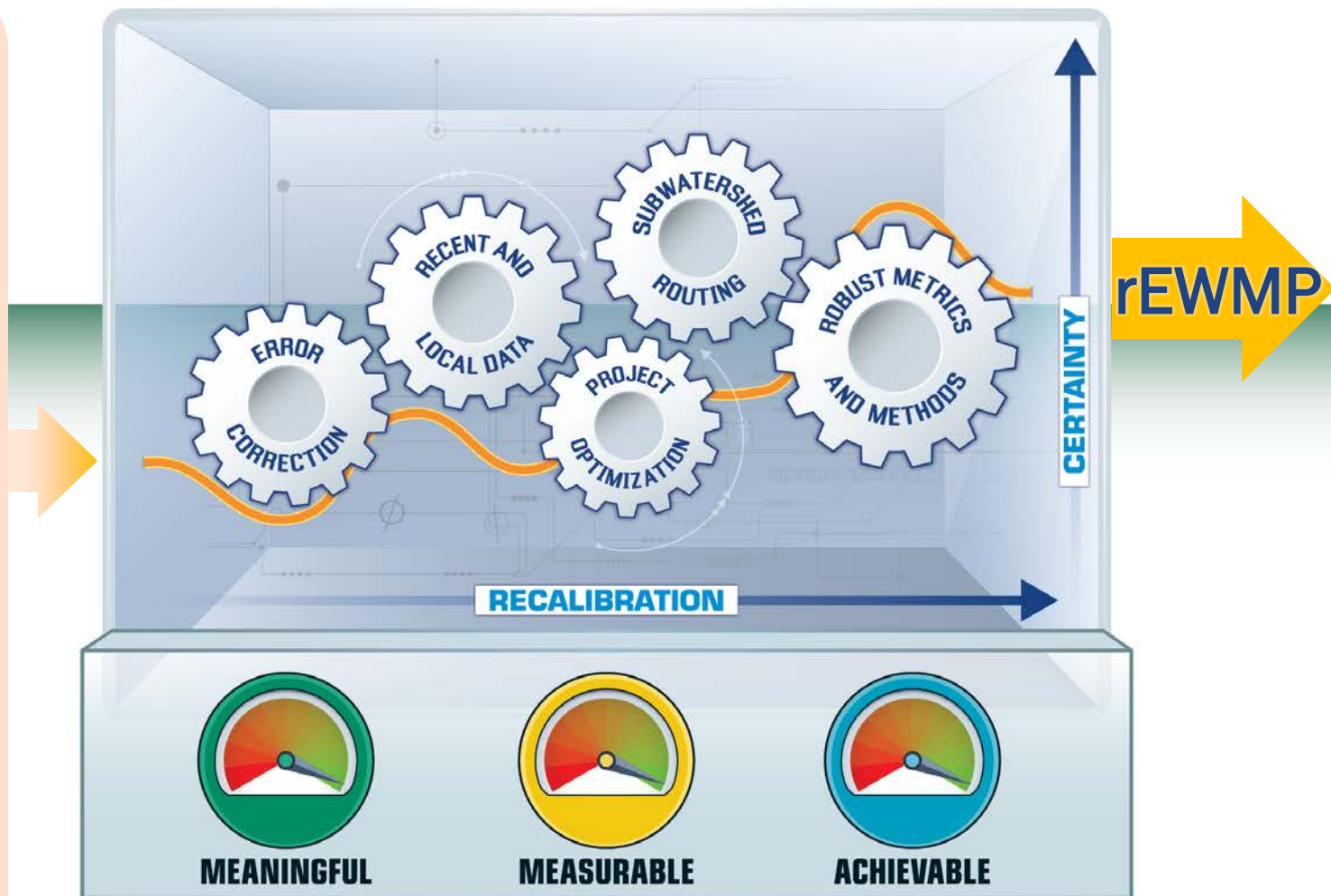
A Convergent Pathway to Clean Water: Our Revised EWMP (rEWMP) Philosophy

Better
BMP
Understanding

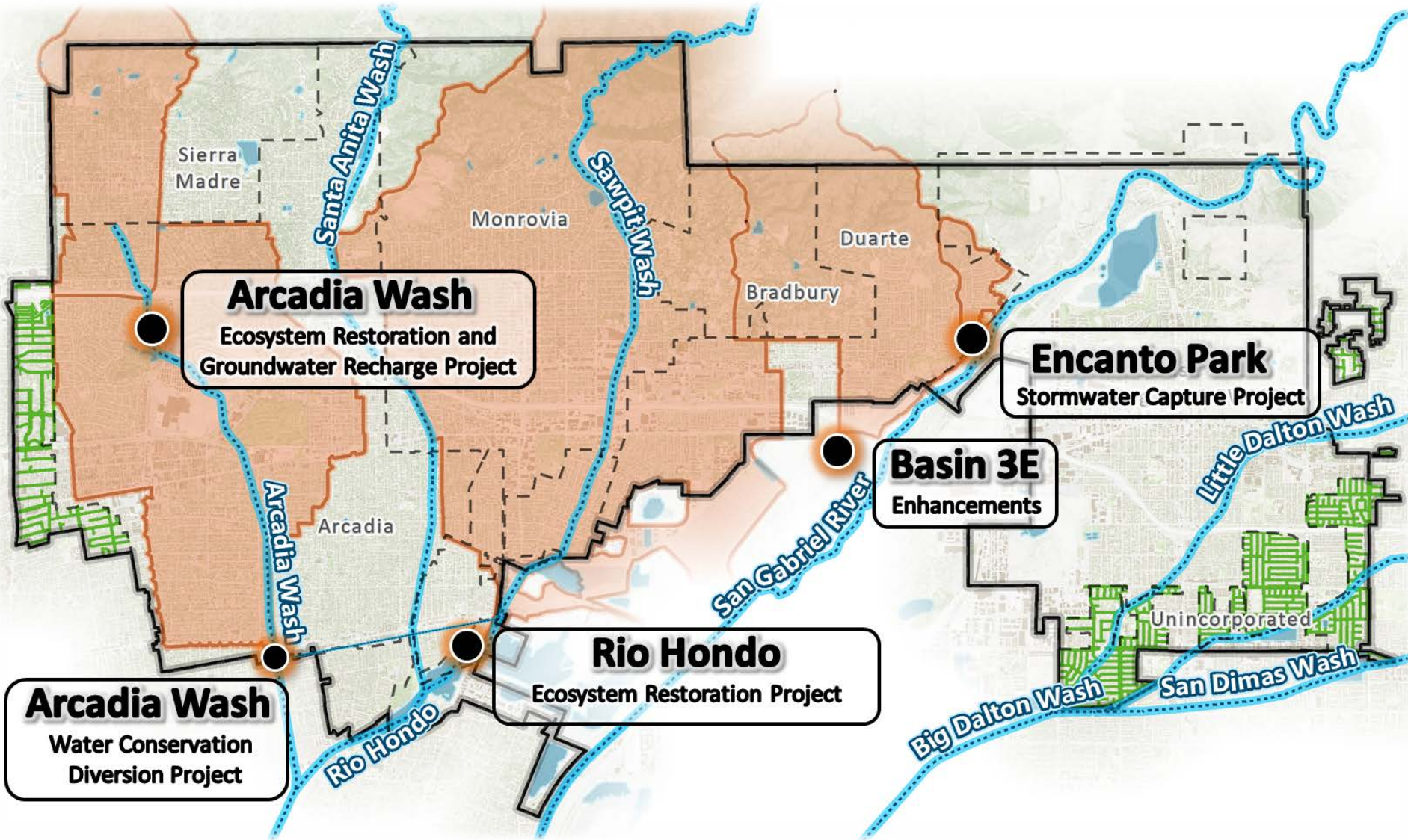
Engaged
Stakeholder
Input

Enhanced
Watershed
Model

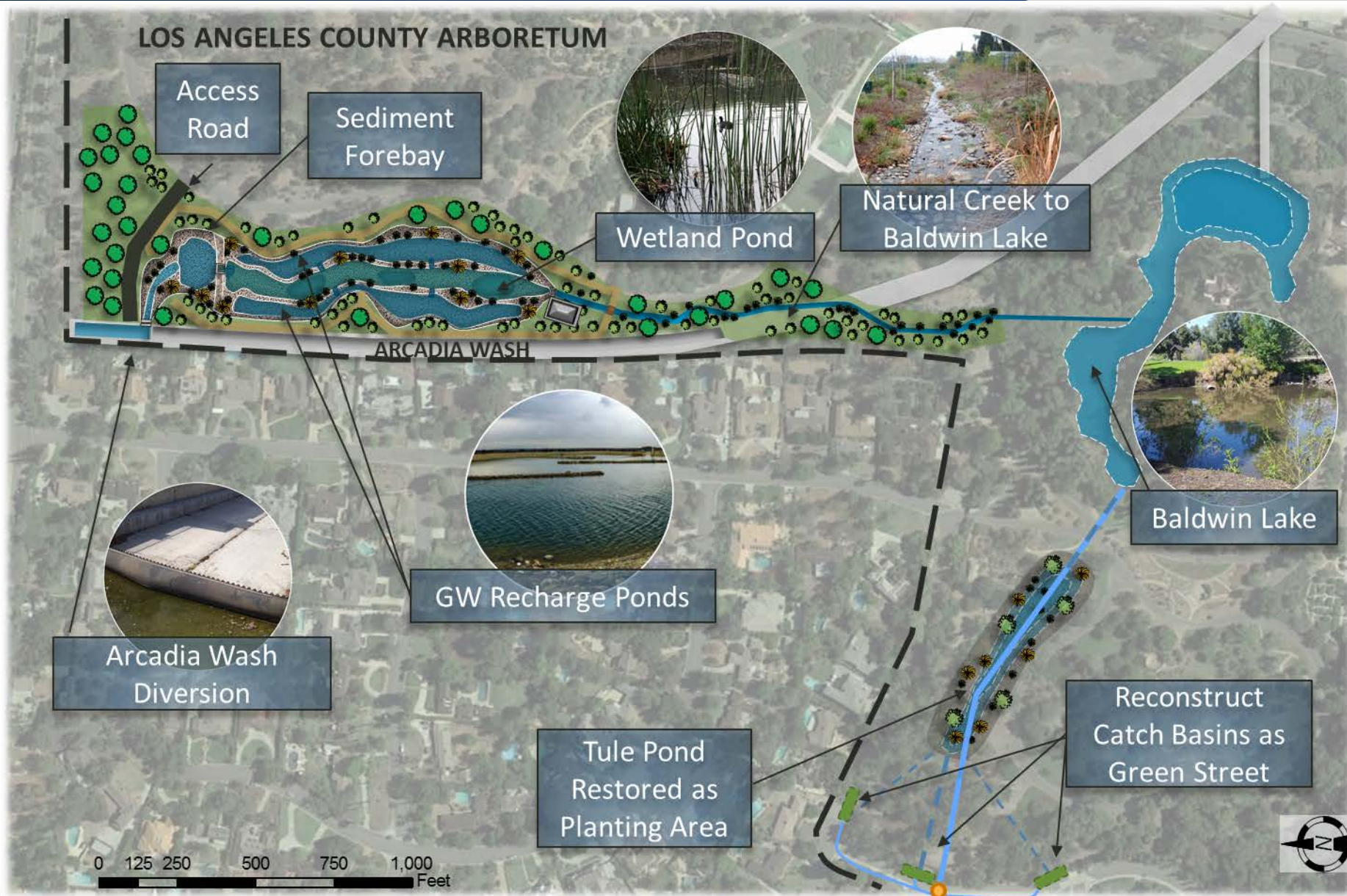
Smarter
Compliance
Analysis



Multi-Benefit rEWMP Outcomes



Example Project: Arcadia Wash Ecosystem Restoration and Groundwater Recharge Project





Multi-Benefit rEWMP Outcomes



32



SQUARE MILES MANAGED

1,632



ACRE-FEET INFILTRATED PER YEAR

7.3



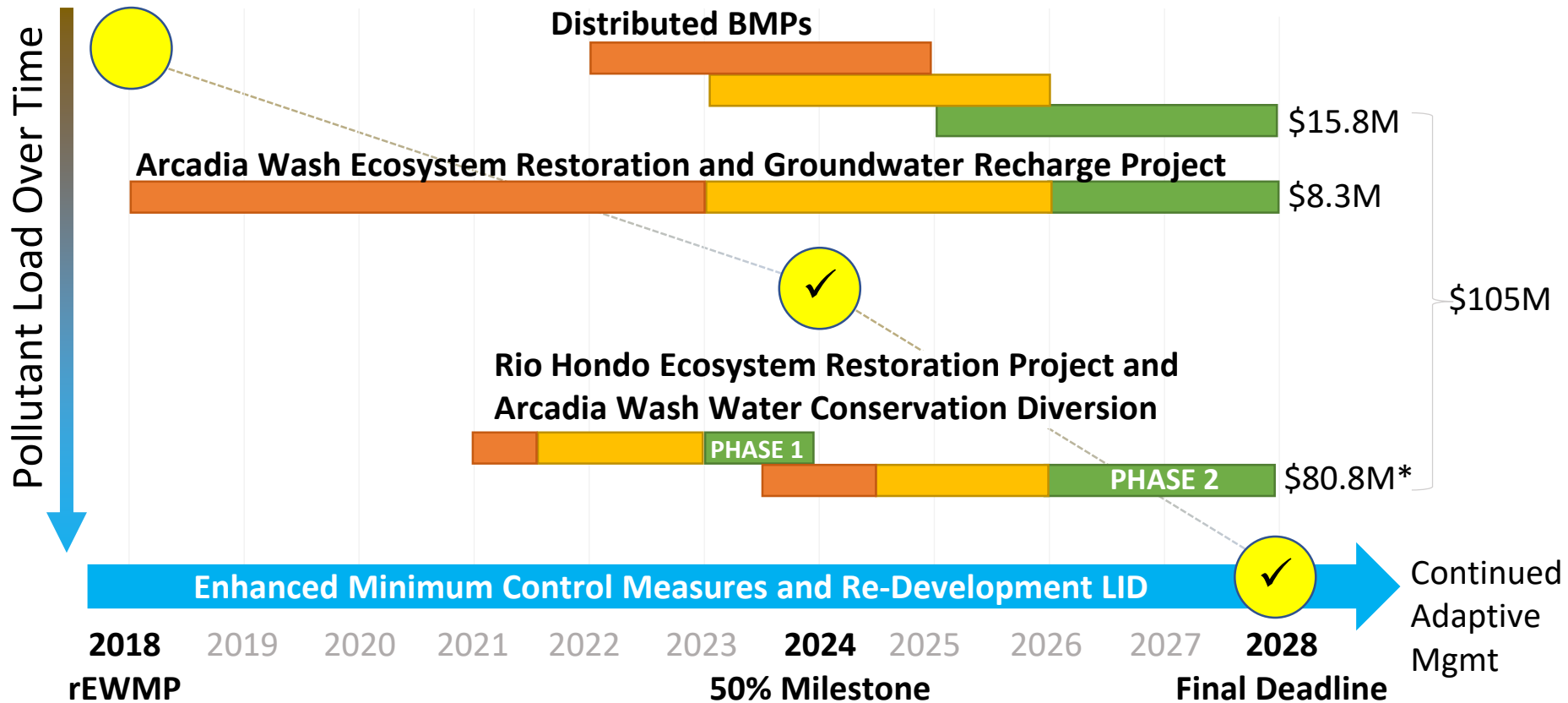
ACRES NEW HABITAT

3

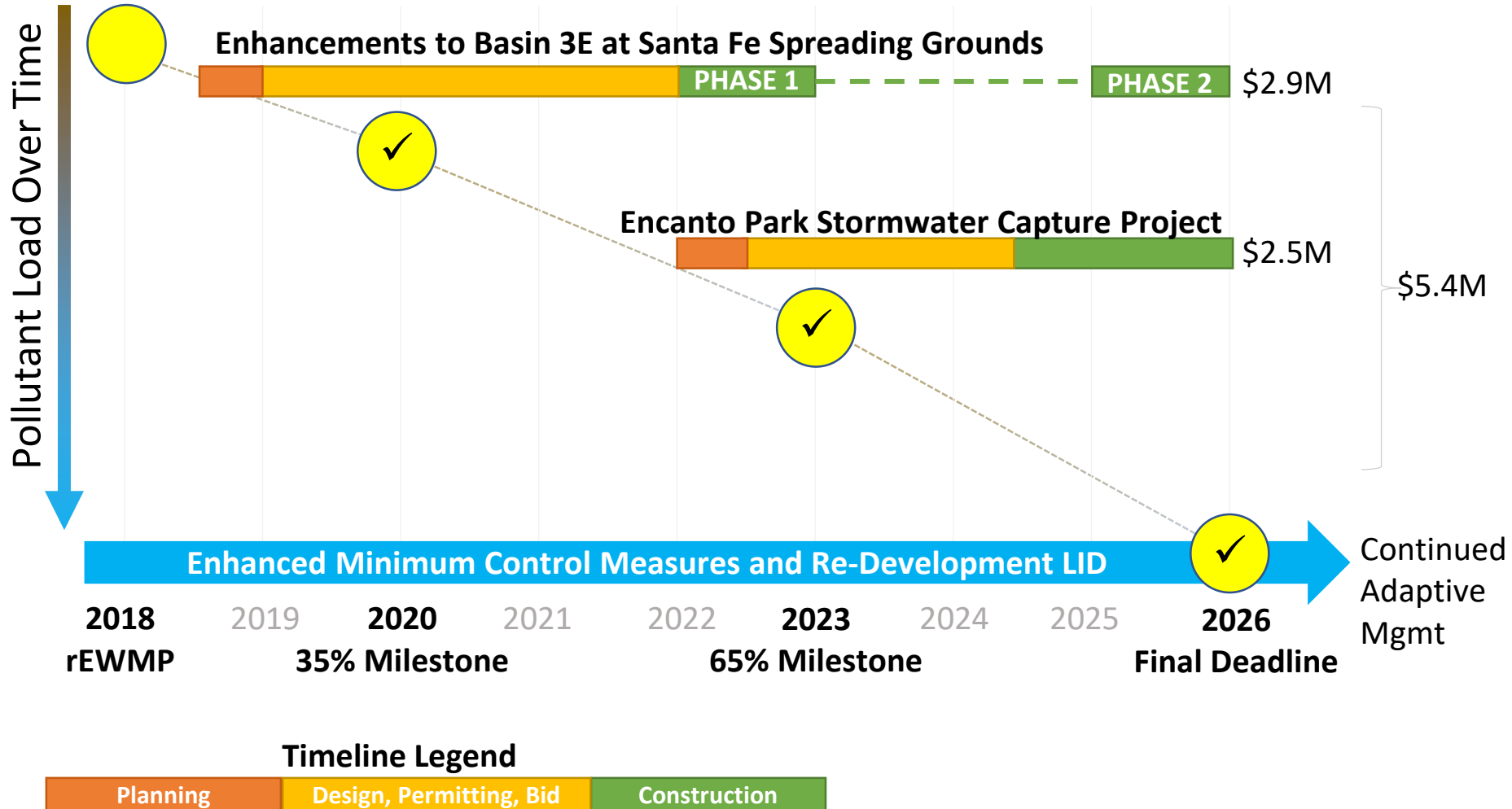


WATERSHED EDUCATION SITES

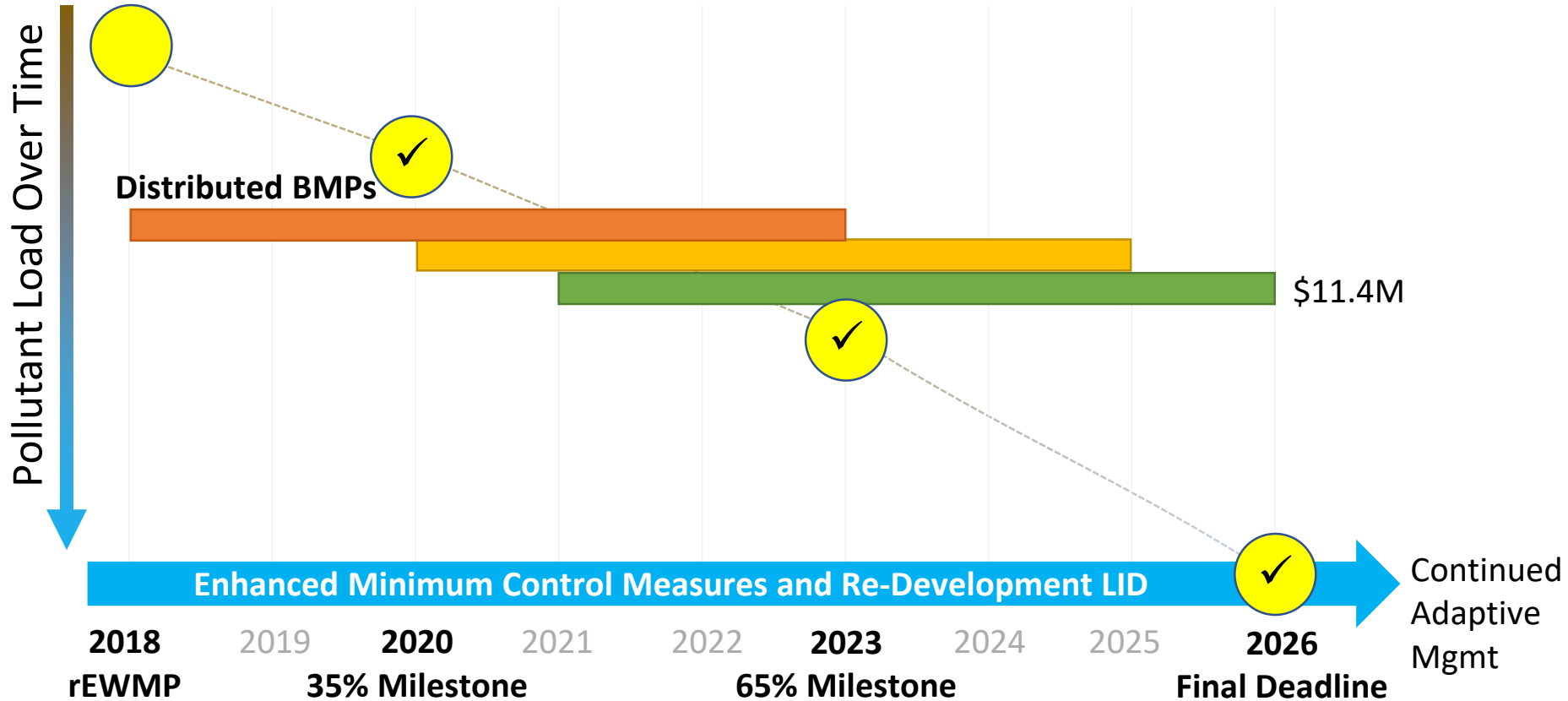
Clear Pathway to Cleaner Water: Rio Hondo



Clear Pathway to Cleaner Water: San Gabriel River

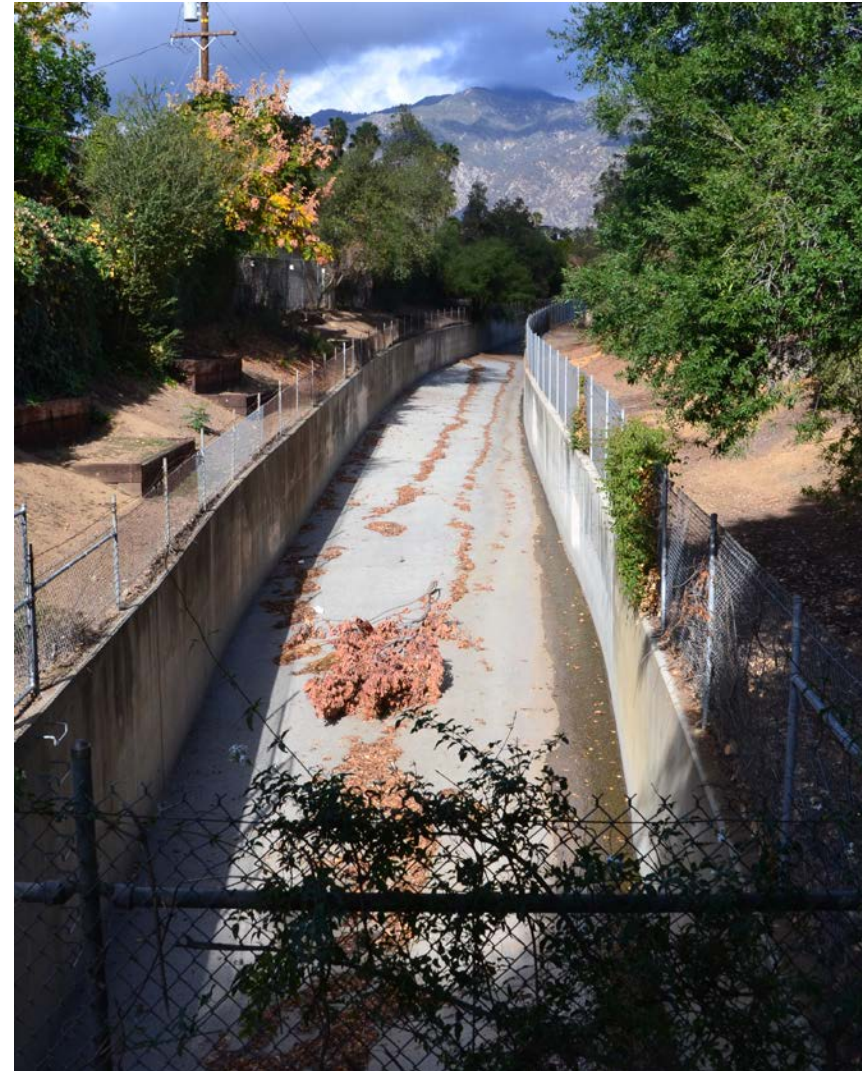


Clear Pathway to Cleaner Water: Big Dalton Wash



Next Steps and Ongoing Adaptation

- Expect to continue seeing improved water quality
- Pursuing rEWMP projects
- Upcoming actions:
 - Project feasibility studies
 - Continued outreach, engagement, transparency
 - Collaborative adaptive management studies



Thank You

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