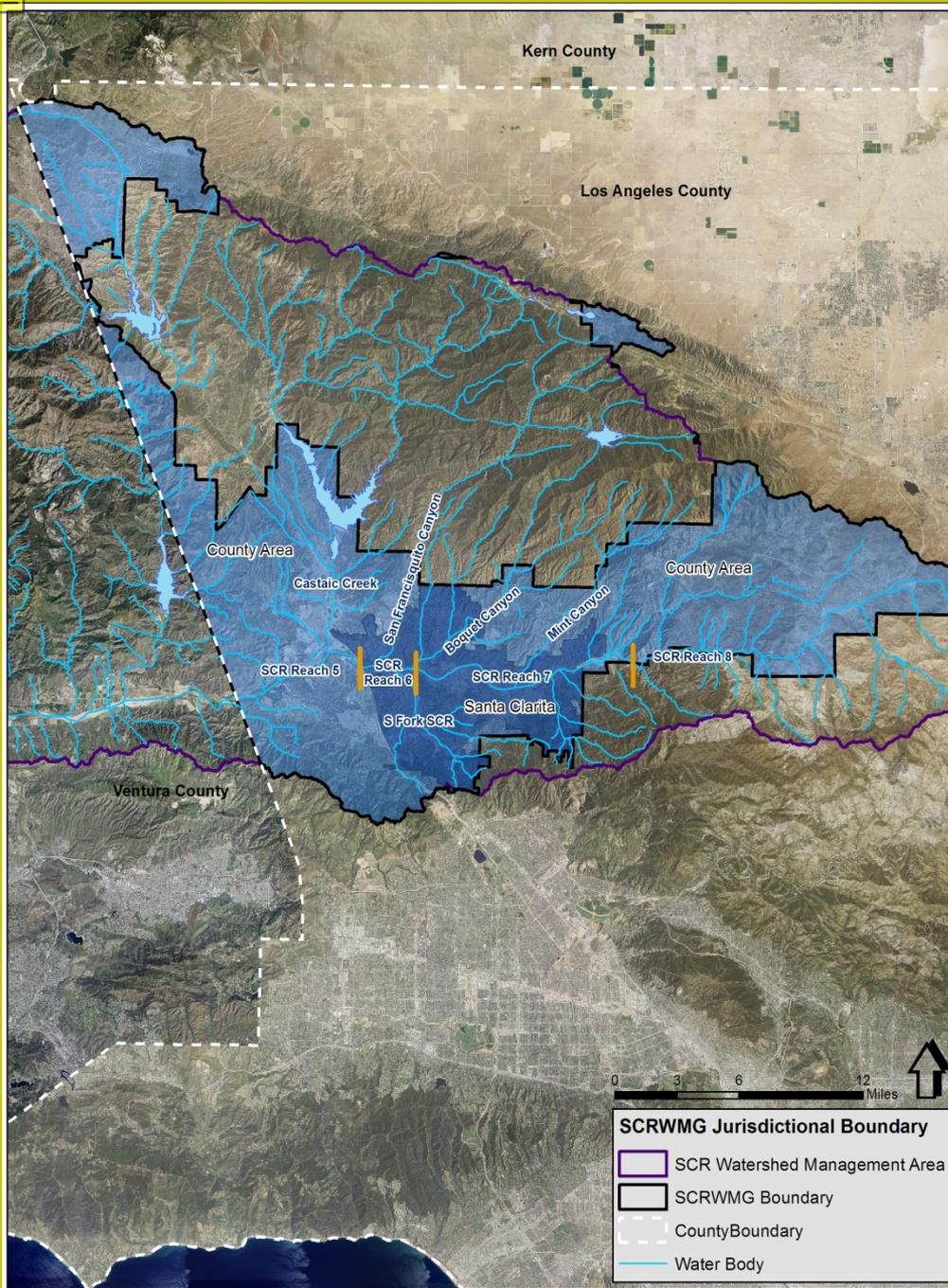


# Presentation Upper Santa Clara River EWMP

City of Santa Clarita

Los Angeles County

Los Angeles County Flood Control District



## Upper Santa Clara River Watershed

### Upper Watershed

- One of the most natural rivers left in southern California
- 90% open, undeveloped land
- 262,748 acres

### EWMP Area

- City of Santa Clarita
- County of Los Angeles
- Los Angeles County FCD
- 121,423 acres

# Projects Status

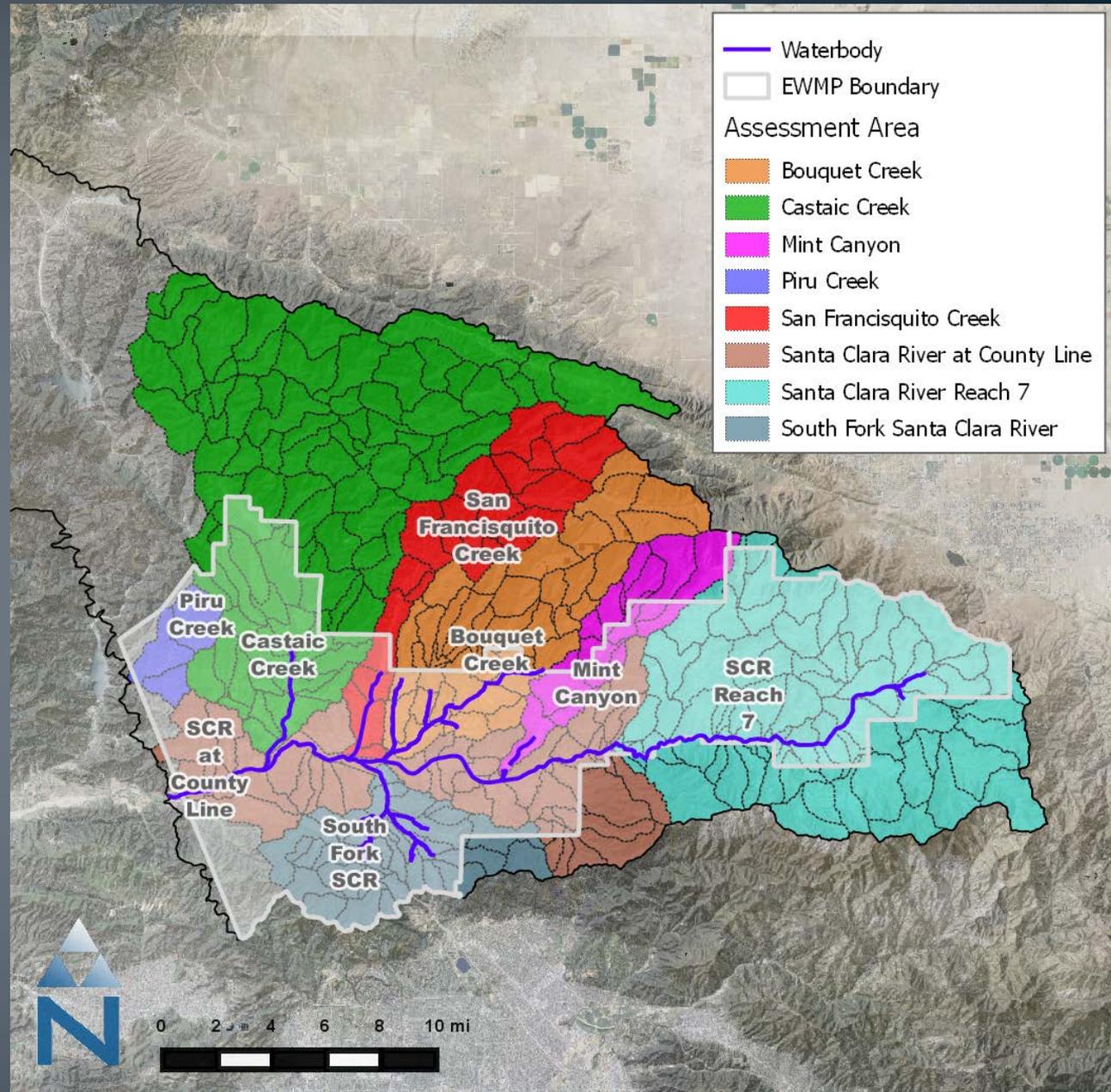
- **Early Action Best Management Practice**
  - Trash removal best management practices in commercial and industrial areas
  - City of Santa Clarita - installing full capture devices in Rye Canyon Business Park, permits acquired
  - County of Los Angeles – installing full capture devices in commercial and industrial areas
- **LID Ordinance**
  - Both City and County have adopted LID Ordinances
- **Green Streets Policy**
  - Both City and County have approved green streets policies

# EWMP Overview

- Elements
  - Water Quality Priorities
  - Watershed Control Measures
  - Reasonable Assurance Analysis - WMMS
  - EWMP Implementation Plan
  - Financial Strategy
  - Assessment and Adaptive Management
- More detailed and specific implementation actions through 2022 based on leveraging existing funding sources, including City Stormwater Utility Fee
  - After 2022 actions will be modified in response to analysis of water quality monitoring data collected under the coordinated integrated monitoring program
- Short Term Approach
  - Source control
  - Low Impact Development
  - Priority and Tier A Regional Best Management Practices on Public Property

# Reasonable Assurance Analysis

260 Sub Watershed Analyzed by WMMS

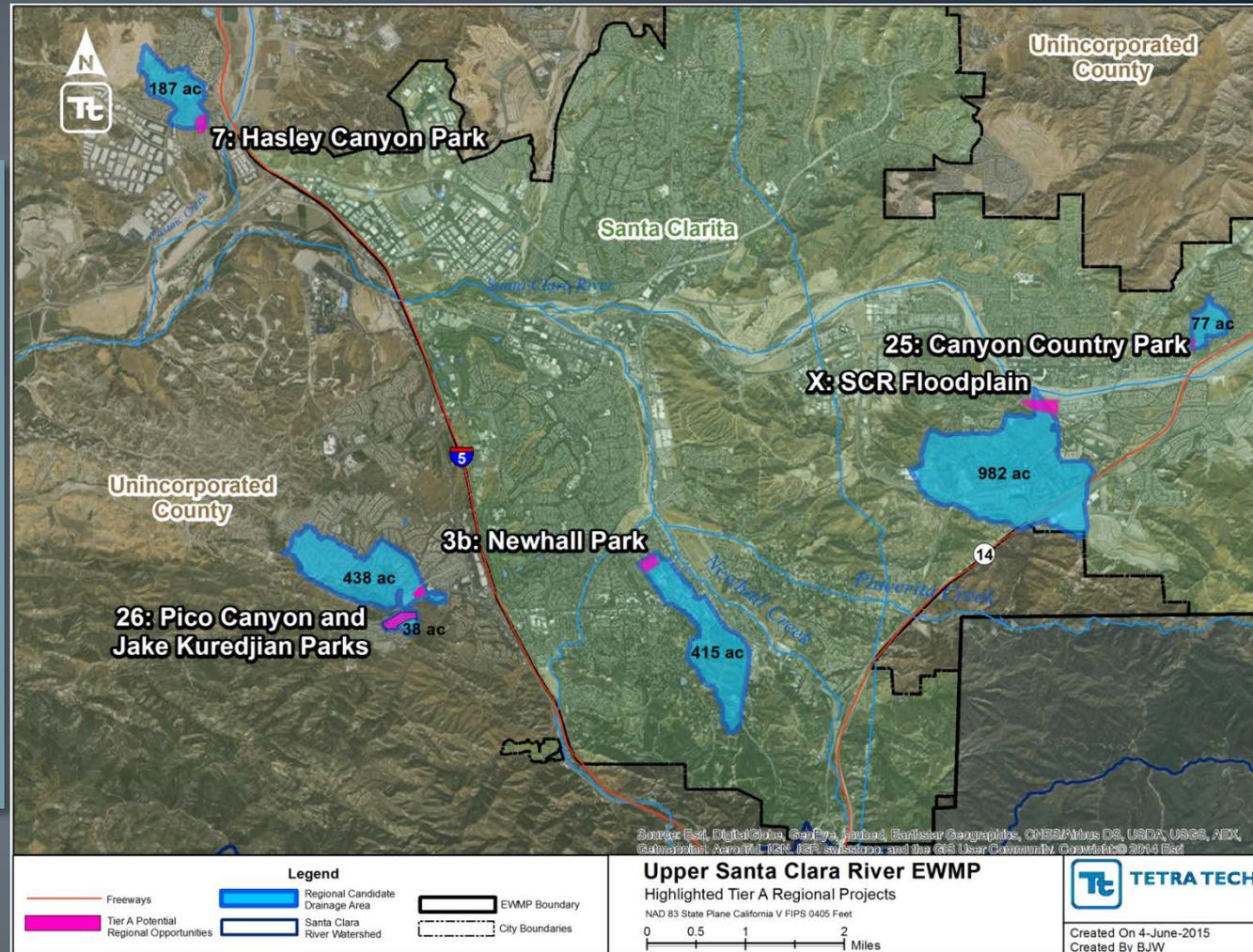


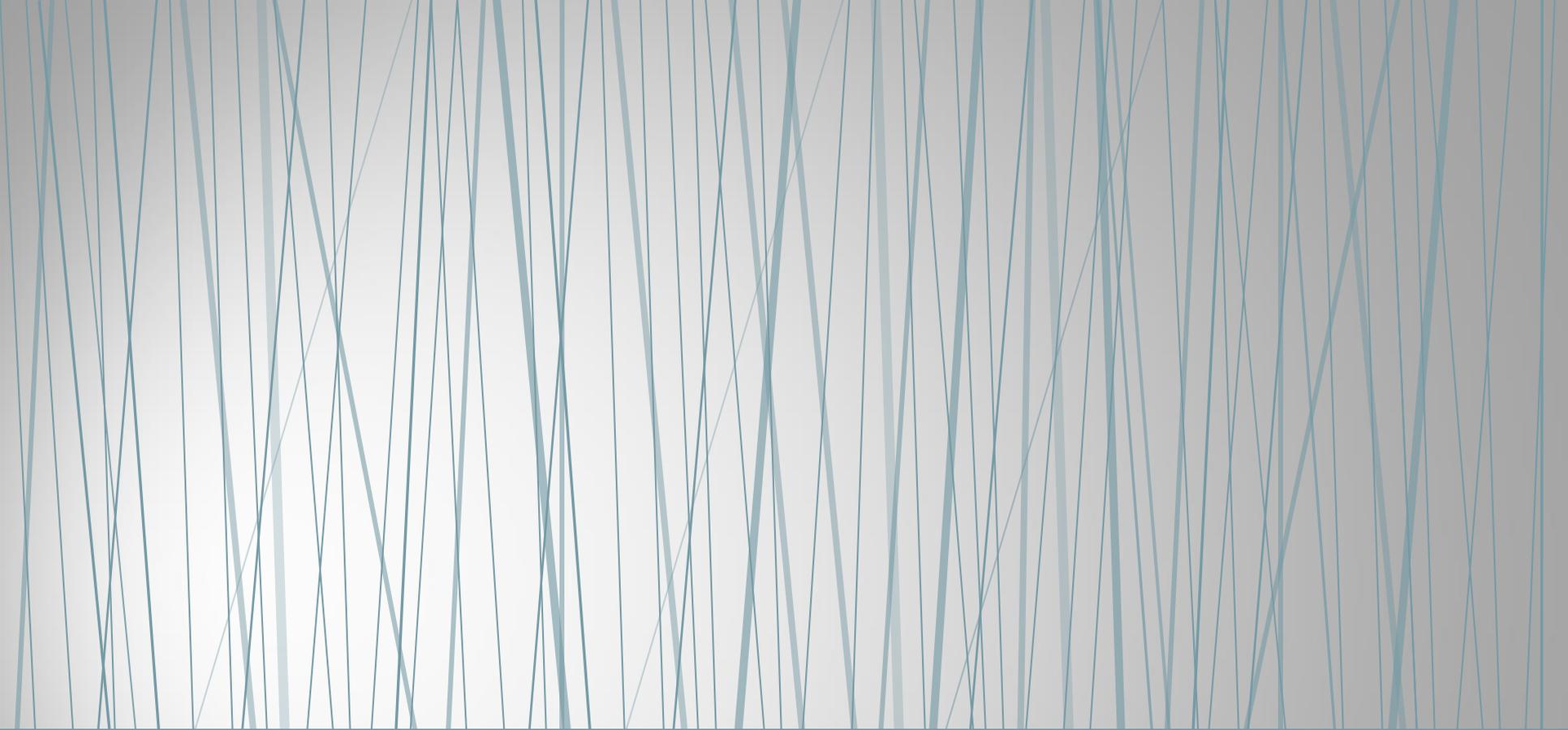
# Summary of Community Efforts

- Six public, open house style events:
  - April 2014, November 2014, and May 2015
- Three presentations to the Upper Santa Clara River Integrated Regional Water Management Group
- One presentation to local business group
- One presentation to the Lower Santa Clara River Integrated Regional Water Management Group Sub-Committee
- Announcements at Town Council meetings
- Social media
- City of Santa Clarita 2020 Visioning Plan
  - “Enhance water quality in the Santa Clara River by implementing the Stormwater Enhanced Watershed Management Plan”

# Drainage Areas of Highest Priority Regional Projects

Six projects prioritized through technical analysis and stakeholder input





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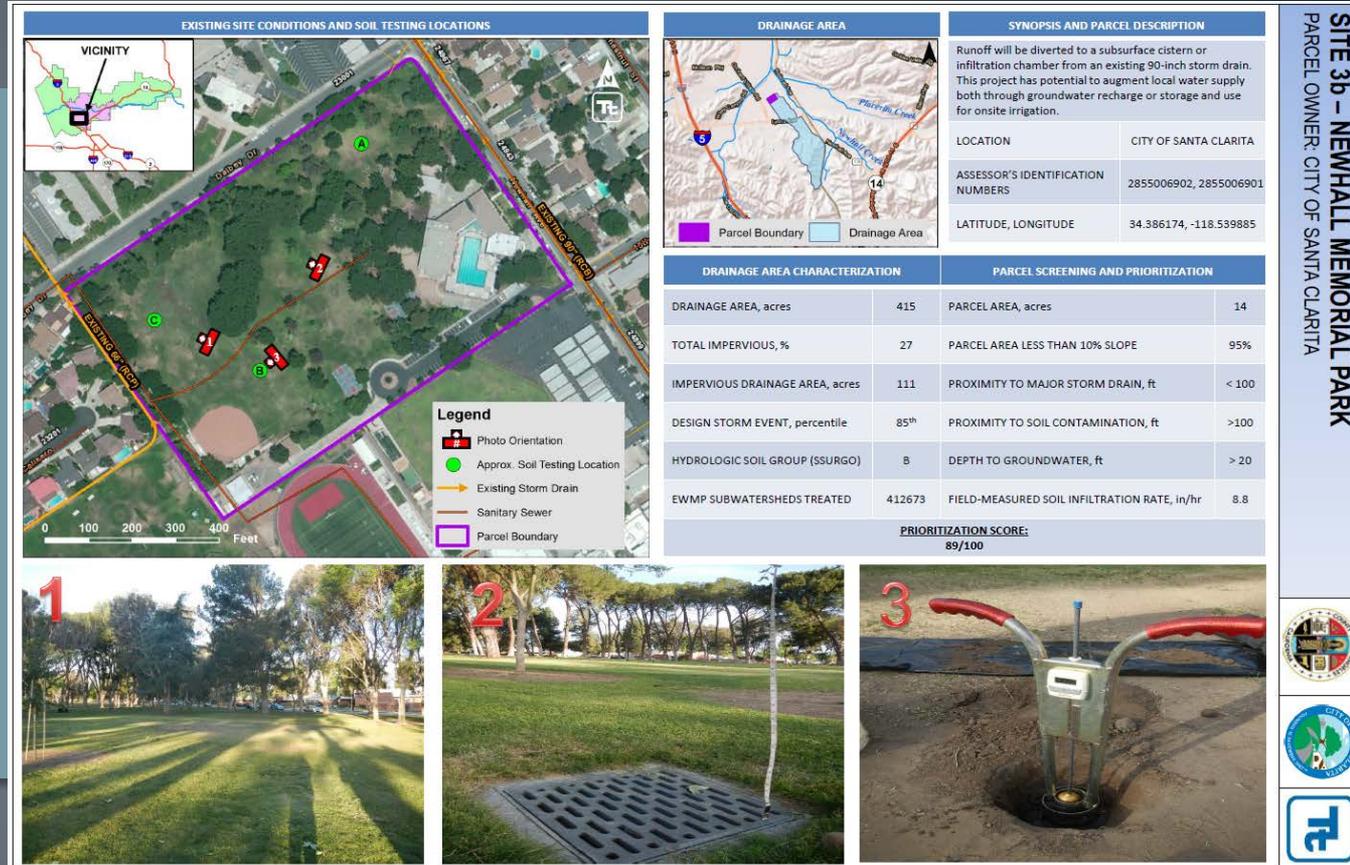
# Highest Priority Regional Projects

City of Santa Clarita

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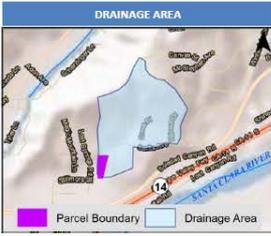
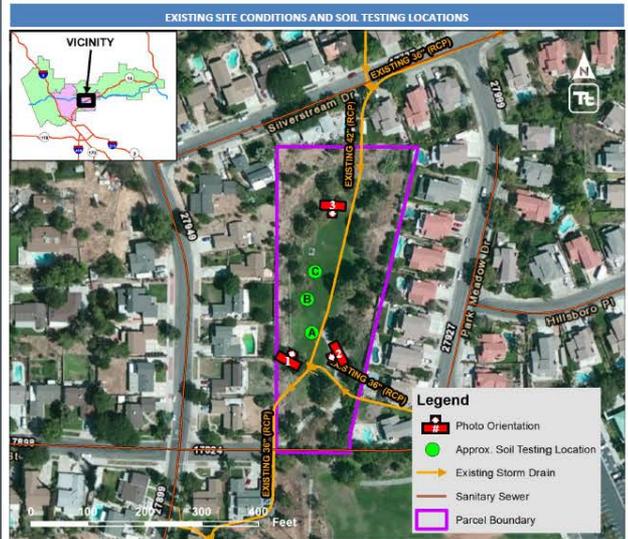
# Newhall Park

- Underground regional BMP
- 10 acre-foot capacity
- Multi benefit (groundwater, flood control, park function)
- Estimated cost \$10 million



# Canyon Country Park

- Underground regional BMP
- 2.8 acre-foot capacity
- Multi benefit (groundwater, flood control, park function)
- Estimated cost \$2.5 million



SYNOPSIS AND PARCEL DESCRIPTION	
Runoff will be captured in a subsurface cistern or infiltration chamber from two storm drains that currently traverse the parcel. This project has potential to augment local water supply both through groundwater recharge or storage and use for onsite irrigation.	
LOCATION	CITY OF SANTA CLARITA
ASSESSOR'S IDENTIFICATION NUMBERS	2844013901, 2844013900
LATITUDE, LONGITUDE	34.419385, -118.443521

DRAINAGE AREA CHARACTERIZATION	
DRAINAGE AREA, acres	77
TOTAL IMPERVIOUS, %	26
IMPERVIOUS DRAINAGE AREA, acres	20
DESIGN STORM EVENT, percentile	85 <sup>th</sup>
HYDROLOGIC SOIL GROUP (SSURGO)	B
EWMP SUBWATERSHEDS TREATED	421373

PARCEL SCREENING AND PRIORITIZATION	
PARCEL AREA, acres	2
PARCEL AREA LESS THAN 10% SLOPE	95%
PROXIMITY TO MAJOR STORM DRAIN, ft	< 100
PROXIMITY TO SOIL CONTAMINATION, ft	> 500
DEPTH TO GROUNDWATER, ft	10-20
FIELD-MEASURED SOIL INFILTRATION RATE, in/hr	3.5
<b>PRIORITIZATION SCORE:</b> 91/100	

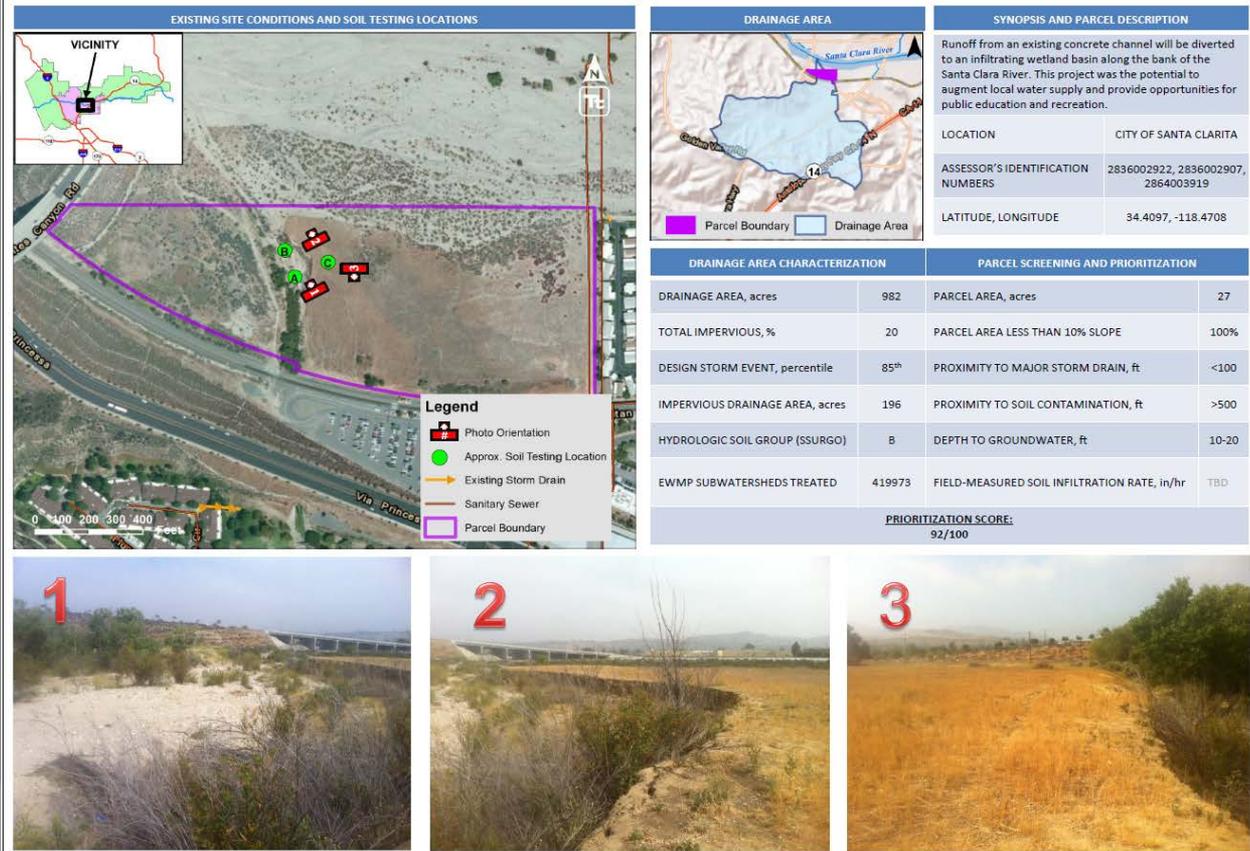


**SITE 25 - CANYON COUNTRY PARK**  
 PARCEL OWNER: CITY OF SANTA CLARITA



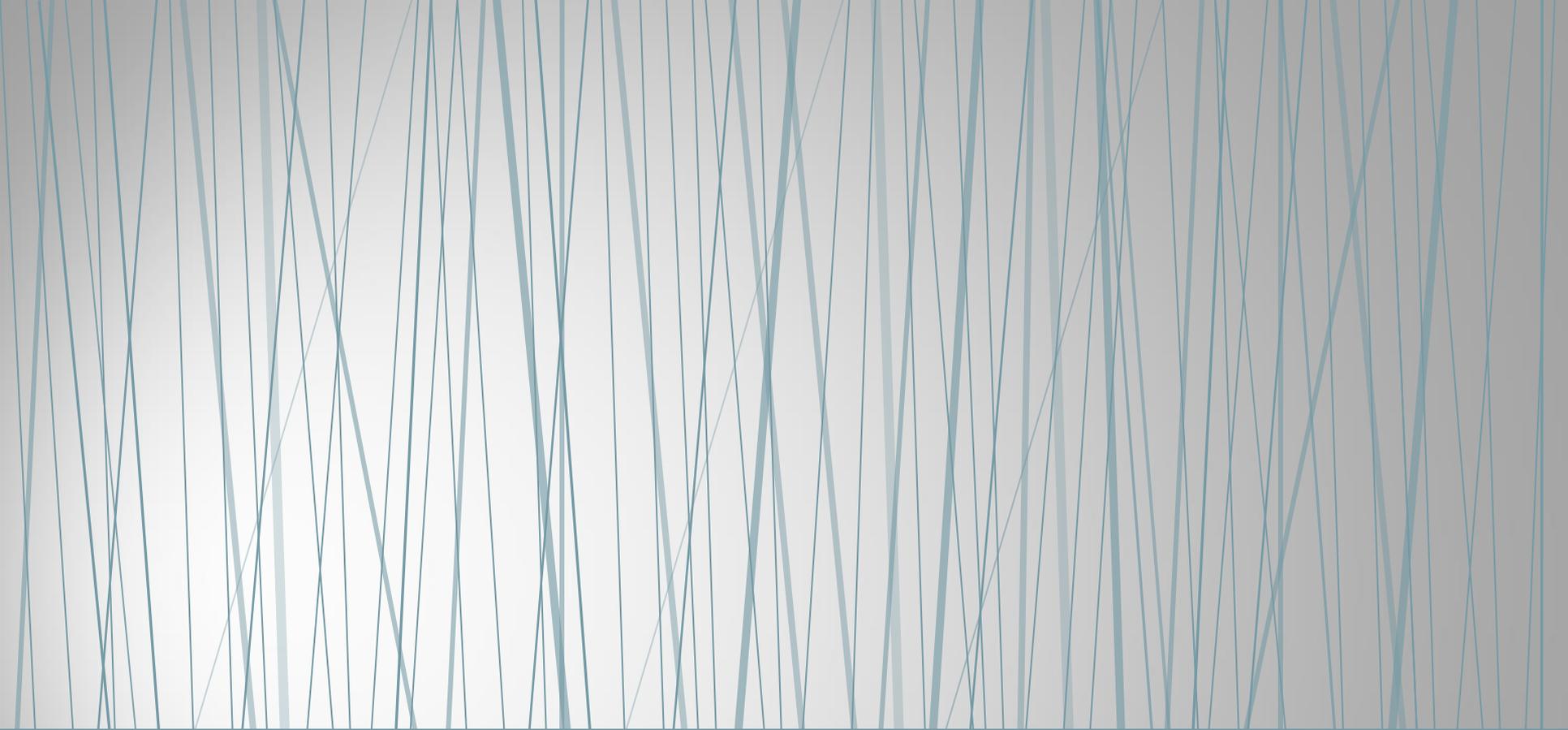
# SCR Floodplain

- Wetland basin
- 18 acre-foot capacity
- Multi benefit (groundwater, habitat, public education, new park)
- Estimated cost \$10 million



SITE X - SANTA CLARA RIVER FLOODPLAIN  
PARCEL OWNER: LOS ANGELES COUNTY





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# Highest Priority Regional Projects

County of Los Angeles

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# Jake Kuredjian Park

- Underground regional BMP
- 8 acre-foot capacity
- Multi benefit (groundwater, flood control, park function)
- Estimated cost \$7 million

### EXISTING SITE CONDITIONS AND SOIL TESTING LOCATIONS

#### DRAINAGE AREA

Parcel Boundary    Drainage Area

#### SYNOPSIS AND PARCEL DESCRIPTION

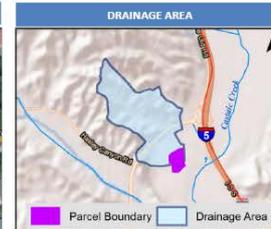
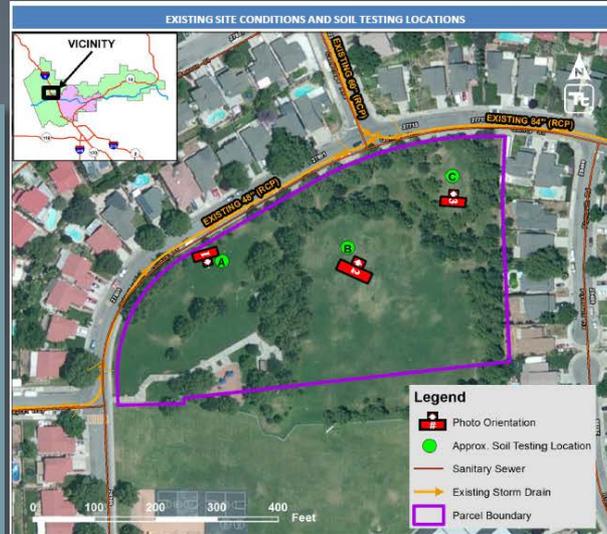
Runoff will be directed to a subsurface cistern or infiltration chamber from multiple existing storm drains. This project has potential to augment local water supply both through groundwater recharge or storage and use for onsite irrigation.

LOCATION	UNINCORPORATED
ASSESSOR'S IDENTIFICATION NUMBERS	2826160901
LATITUDE, LONGITUDE	34.3814, -118.5808

DRAINAGE AREA CHARACTERIZATION		PARCEL SCREENING AND PRIORITIZATION	
DRAINAGE AREA, acres	438	PARCEL AREA, acres	6
TOTAL IMPERVIOUS, %	30	PARCEL AREA LESS THAN 10% SLOPE	<95%
EWMP-PREScribed CAPACITY, ac-ft	8	PROXIMITY TO MAJOR STORM DRAIN, ft	100 >, <250
IMPERVIOUS DRAINAGE AREA, acres	131	PROXIMITY TO SOIL CONTAMINATION, ft	> 500
HYDROLOGIC SOIL GROUP (SSURGO)	B	DEPTH TO GROUNDWATER, ft	>20
EWMP SUBWATERSHEDS TREATED	414183 414283	FIELD-MEASURED SOIL INFILTRATION RATE, in/hr	TBD
<b>PRIORITIZATION SCORE:</b> 92/100			

# Hasley Park

- Underground regional BMP
- 1.3 acre-foot capacity
- Multi benefit (groundwater, flood control, park function)
- Estimated cost \$1.5 million



SYNOPSIS AND PARCEL DESCRIPTION	
Runoff will be directed to a subsurface cistern or infiltration chamber from an existing 84-inch storm drain. This project has potential to augment local water supply both through groundwater recharge or storage and use for onsite irrigation.	
LOCATION	UNINCORPORATED
ASSESSOR'S IDENTIFICATION NUMBERS	2866014934, 2866015900, 2866014900, 2866020908, 2866020910, 2866020909, 2866020907
LATITUDE, LONGITUDE	34.451415, -118.619881

DRAINAGE AREA CHARACTERIZATION		PARCEL SCREENING AND PRIORITIZATION	
DRAINAGE AREA, acres	187	PARCEL AREA, acres	12
TOTAL IMPERVIOUS, %	30	PARCEL AREA LESS THAN 10% SLOPE	95%
IMPERVIOUS DRAINAGE AREA, acres	57	PROXIMITY TO MAJOR STORM DRAIN, ft	< 100
EWMP-PREScribed CAPACITY, ac-ft	1.3	PROXIMITY TO SOIL CONTAMINATION, ft	> 500
HYDROLOGIC SOIL GROUP (SSURGO)	B	DEPTH TO GROUNDWATER, ft	<10
EWMP SUBWATERSHEDS TREATED	401583	FIELD-MEASURED SOIL INFILTRATION RATE, in/hr	TBD
<b>PRIORITIZATION SCORE:</b> 83/100			



**SITE 7 - HASLEY CANYON PARK**  
PARCEL OWNER: LOS ANGELES COUNTY



# Pico Canyon Park

- Bioretention BMP
- .6 acre-foot capacity
- Multi benefit (public education, groundwater, flood control, park function)
- Estimated cost \$469,000

