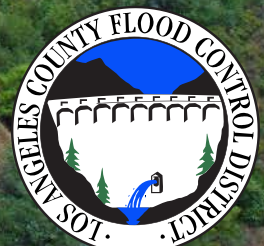
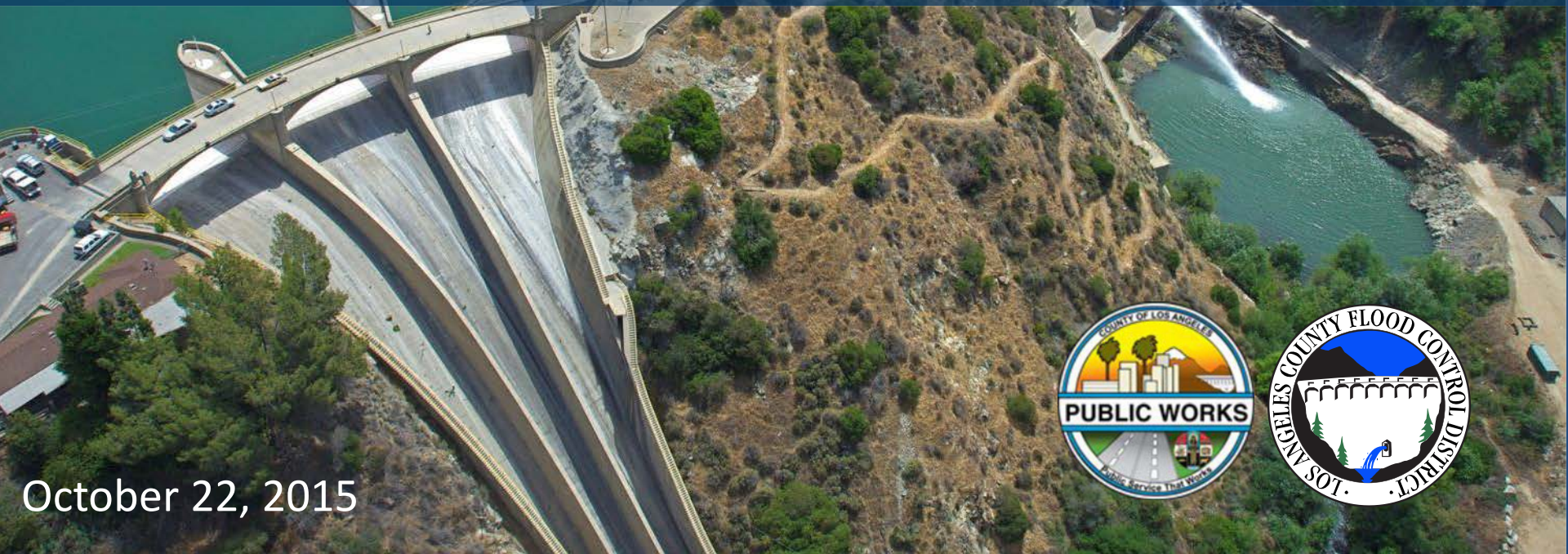




PUBLIC WORKS
LOS ANGELES COUNTY

Los Angeles County Department of Public Works

Attaining a Sustainable Wet Infrastructure for Southern California



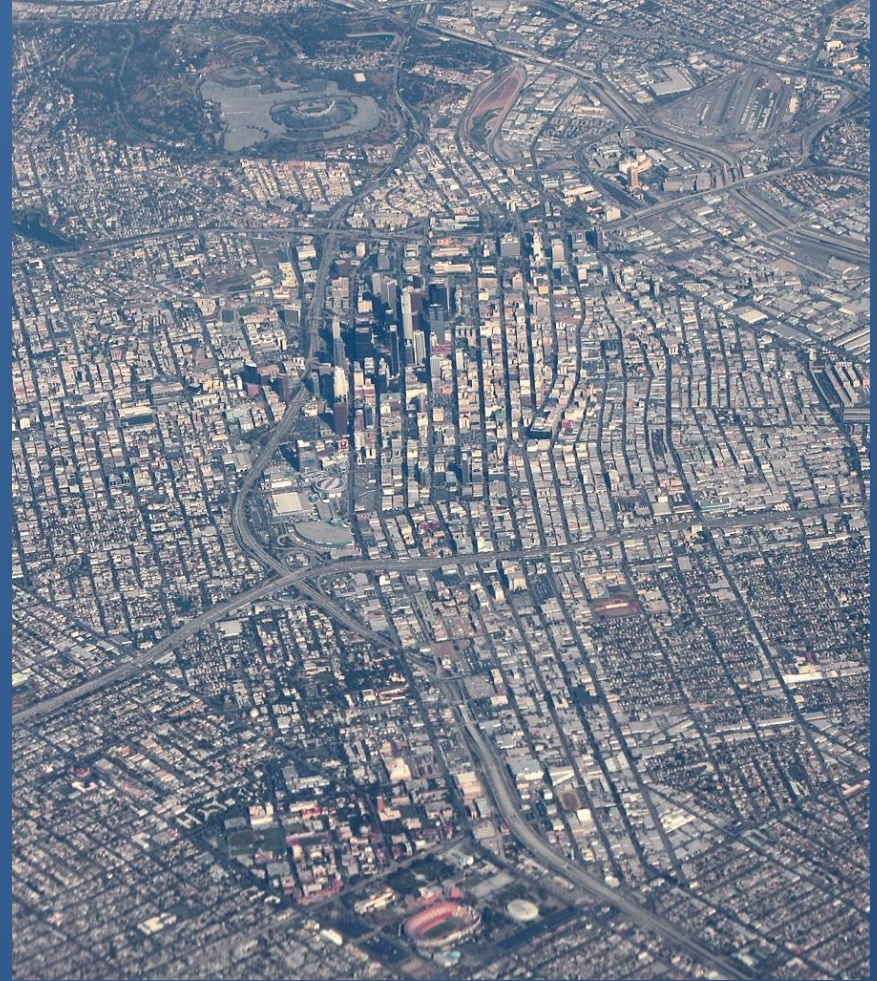
October 22, 2015



Challenges Facing LA County

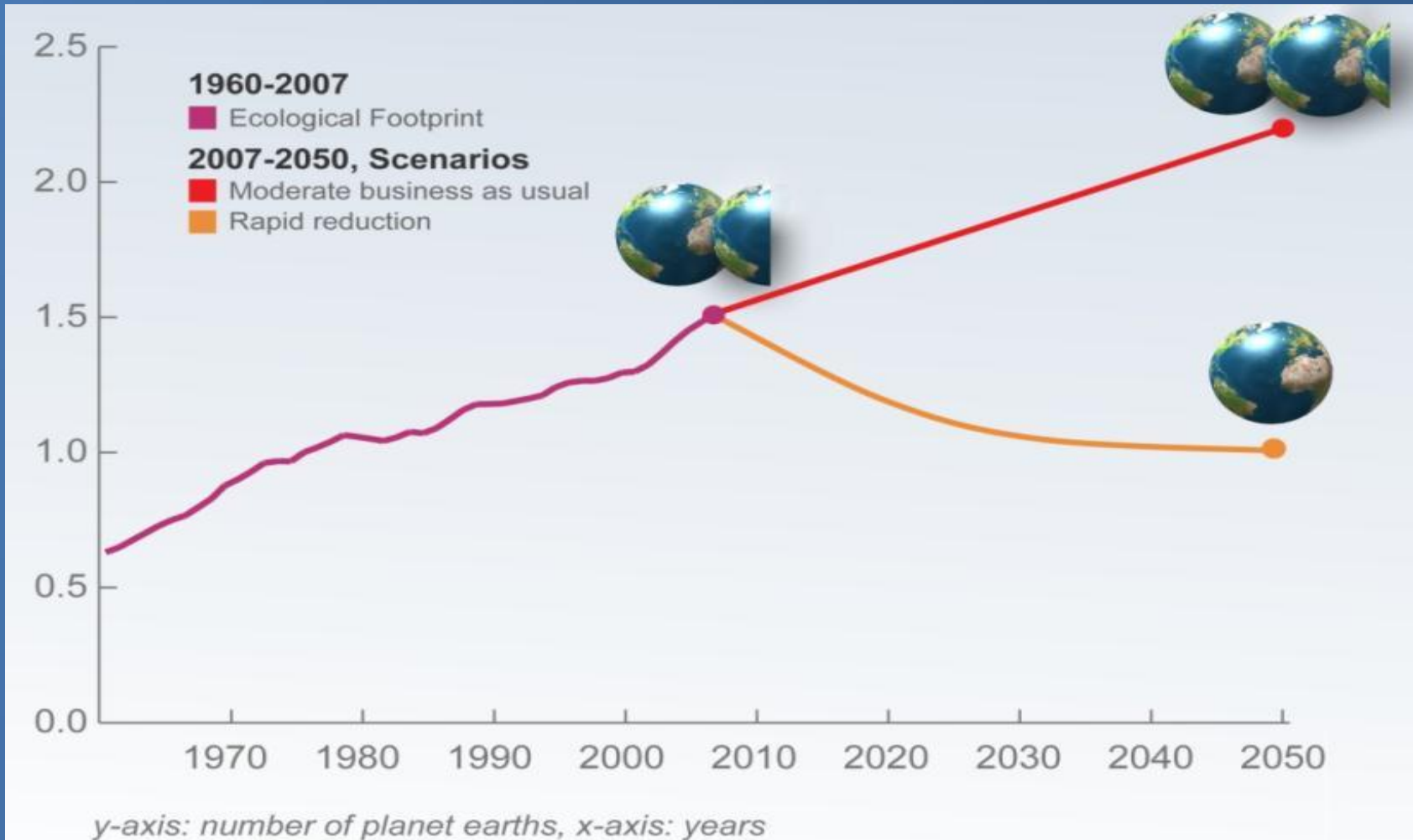


11.5 Million
by 2025*



* California Department
of Finance

Challenges Facing LA County: Resource Depletion



Source: [Global Footprint Network](#), 2010.



Challenges Facing LA County: Aging Infrastructure



Challenges Facing LA County

Effects of Climate Change



2013: Driest Year on Record



2004-05 storm season: one of the wettest



California Wildfires



Invest in Sustainability

Preserve the long-term well-being of our communities and the environment by investing in and promoting economically sound, socially desirable, and environmentally healthy projects, programs, and services to achieve multiple benefits.

**LA County Public Works
Strategic Plan Focus Area**



Public Works Core Service Areas

**Public
Buildings**

**Water
Resources**

**Waste
Management**

Transportation

**Development
Services**

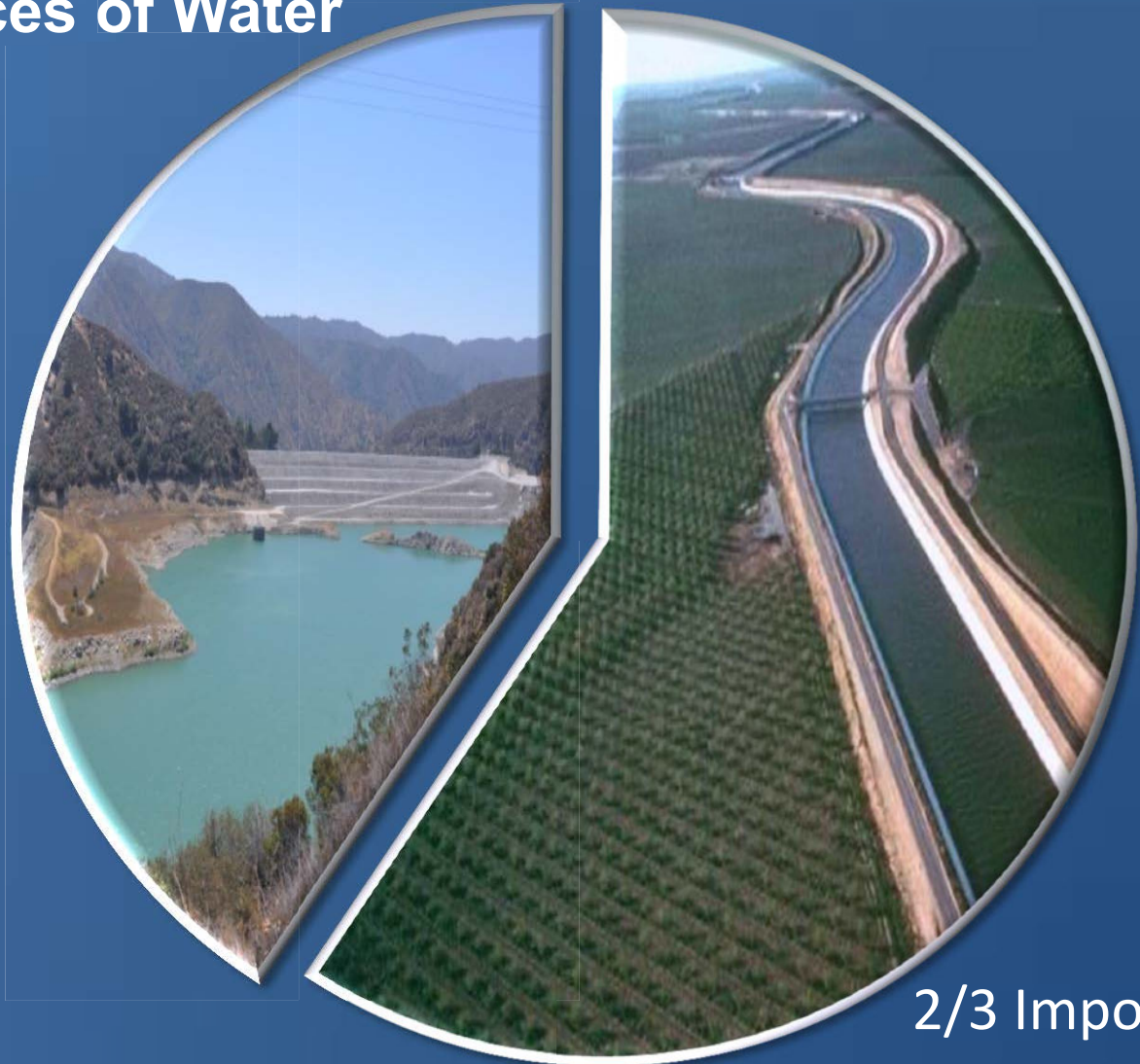
**Emergency
Management**



LA Region's Sources of Water

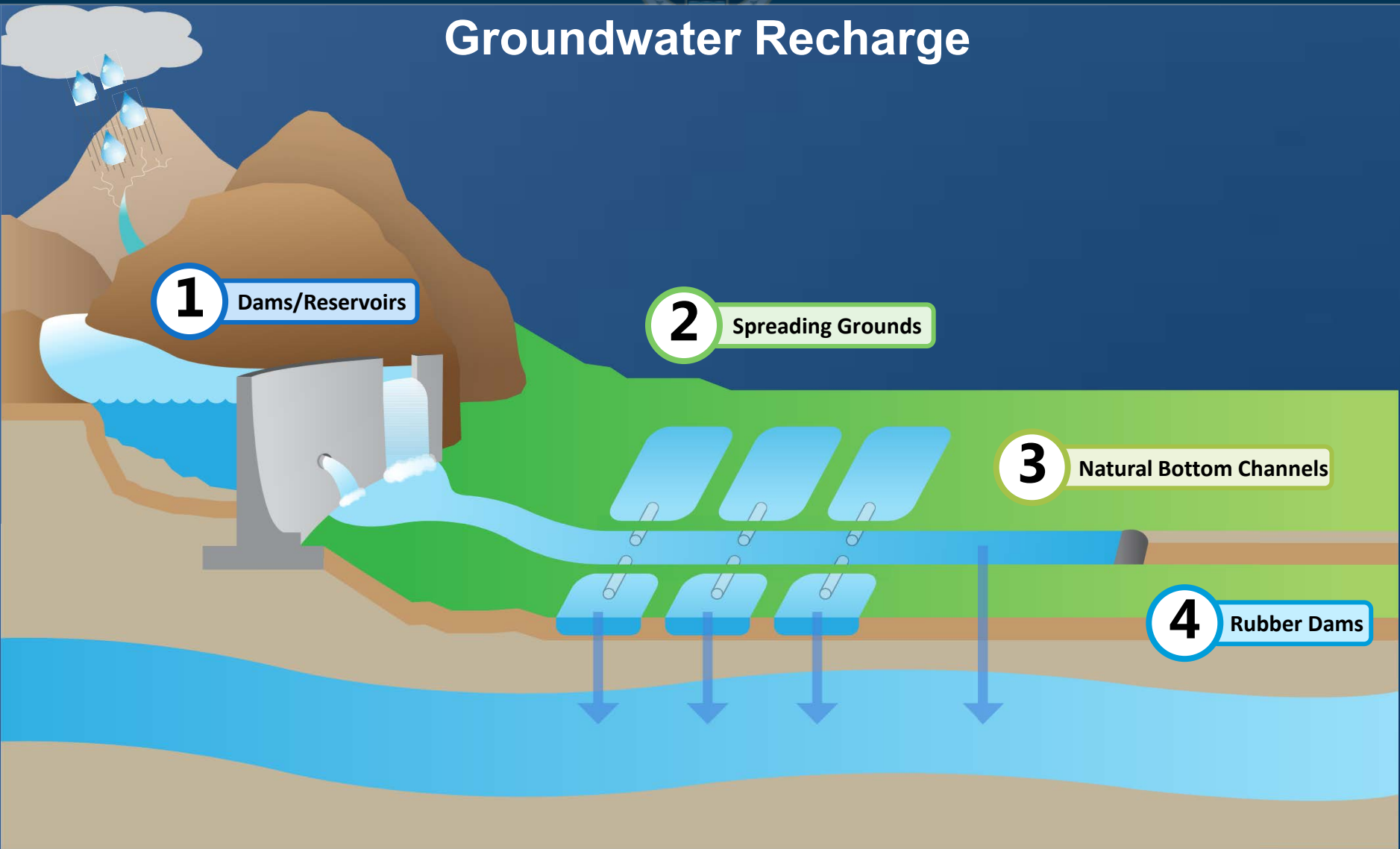
1/3 Local

- ❑ Groundwater
- ❑ Local Surface
- ❑ Reclaimed





Groundwater Recharge





Major Dams and Reservoirs



Morris Dam



Spreading Grounds



Hansen Spreading Grounds

Google earth

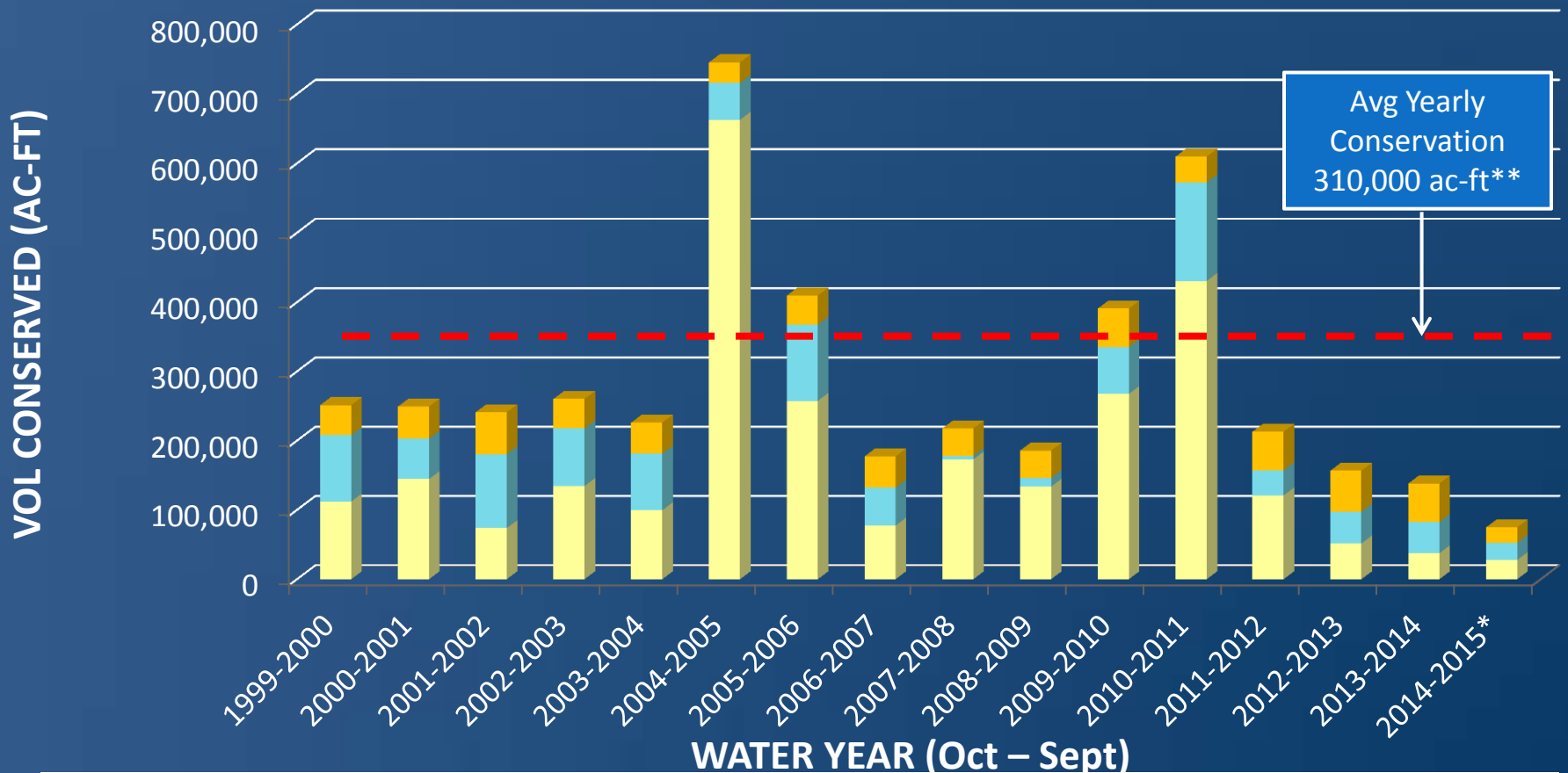
Soft Bottom Channels and Rubber Dams



San Gabriel River

Flood Control District Groundwater Recharge

■ Stormwater
 ■ Imported
 ■ Recycled





Infrastructure Investments



Big Tujunga Dam

Los Angeles Basin Stormwater Conservation Study



Objectives

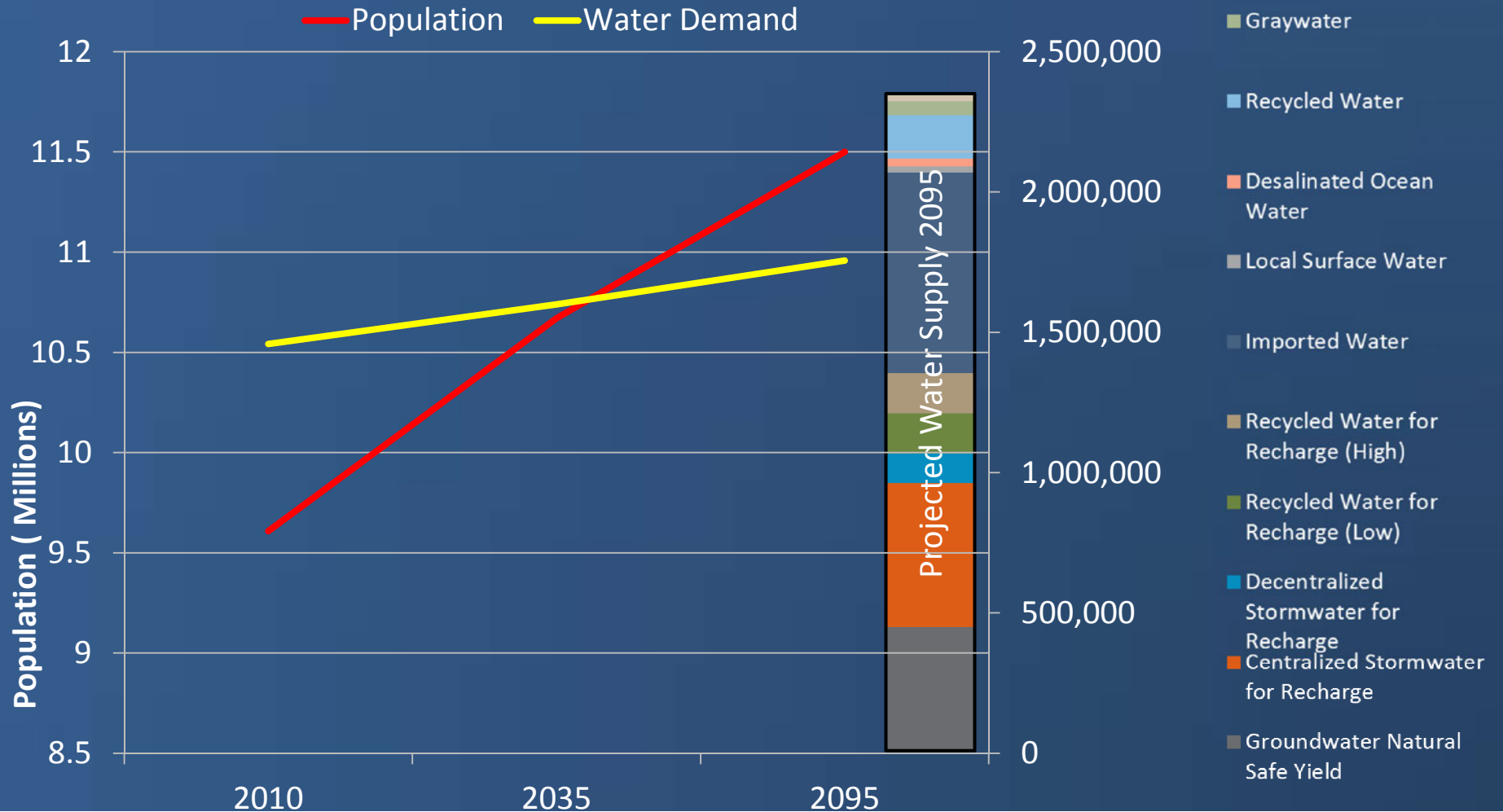
- 1) Evaluate *EXISTING* water conservation under *FUTURE* conditions
- 2) Evaluate *POTENTIAL NEW* facilities & operational changes for climate change

key
concerns

Climate Change

Population Growth

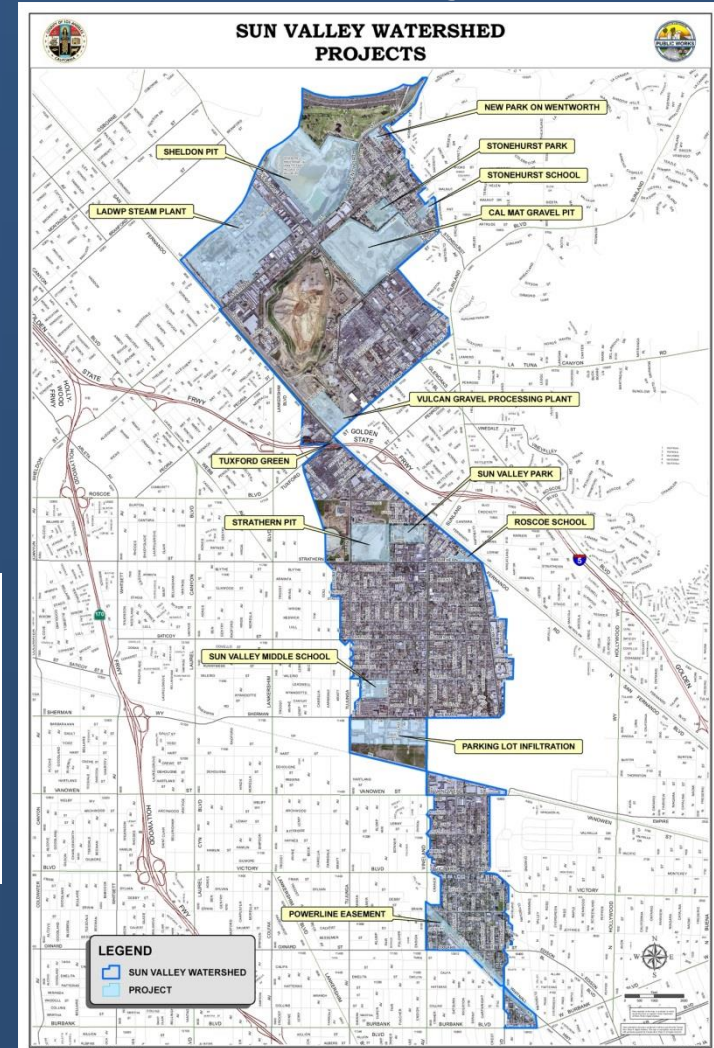
Basin Study: Initial Findings





Multi-Benefit Case Study: Sun Valley Watershed Project

- ❑ Flood Protection
- ❑ Water Quality
- ❑ Water Conservation
- ❑ Recreation
- ❑ Habitat



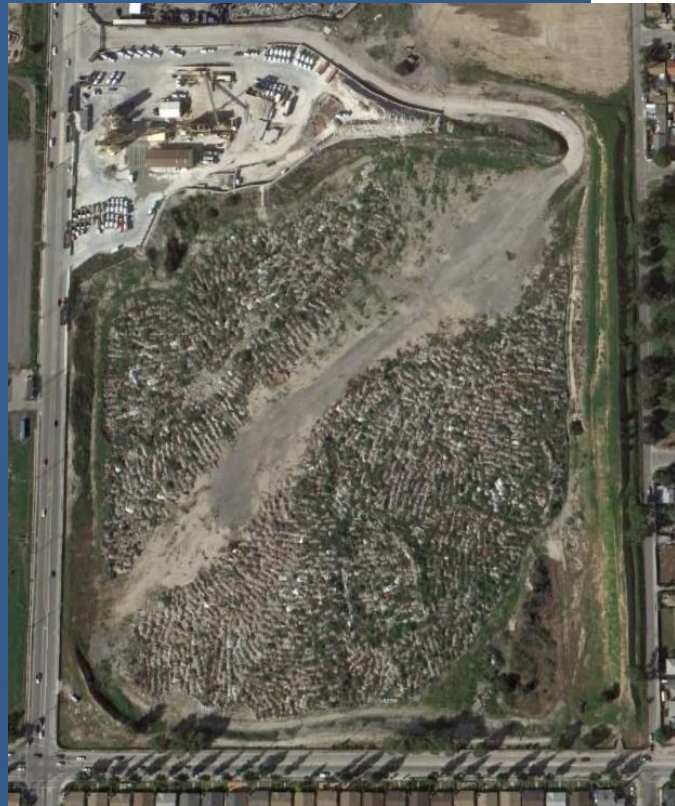


Multi-benefit Project: Sun Valley Park





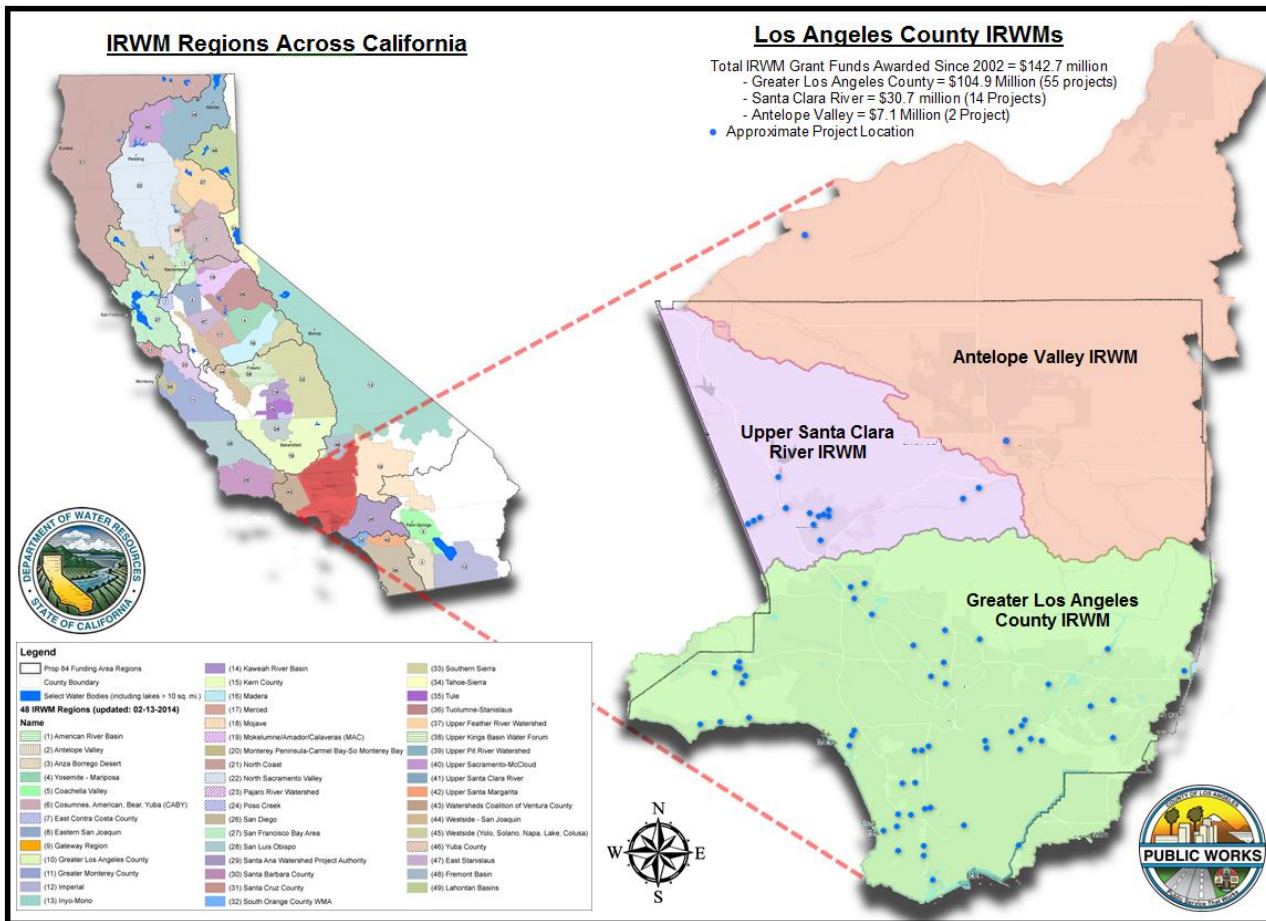
Multi-benefit Project: Rory M. Shaw Wetlands





Integrated Regional Water Management

COUNTY OF LOS ANGELES IRWM REGIONS AND PROJECT LOCATIONS

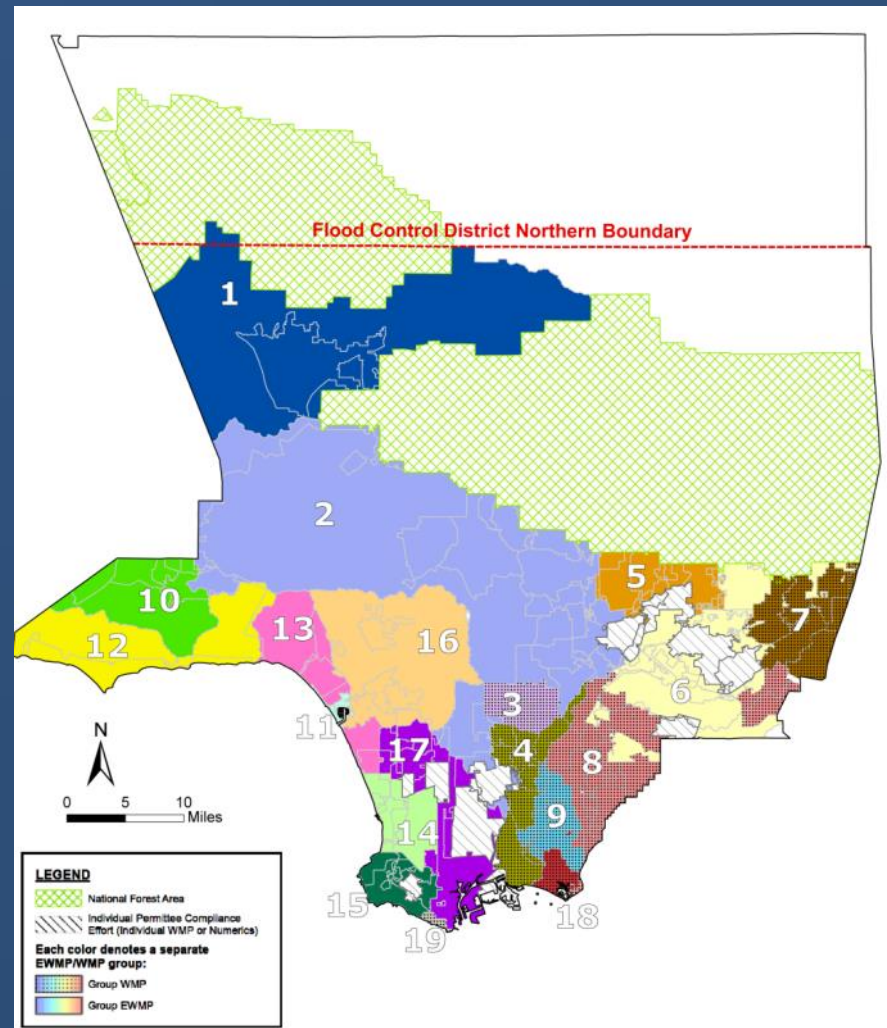


IRWM Grant Funding to Date

Group	# of Projects	Grant Award
Greater LA	52	\$101,047,295
Gateway	3	\$3,941,966
Antelope Valley	2	\$7,066,244
Santa Clara River	<u>14</u>	<u>\$30,681,520</u>
TOTAL	71	\$142,737,025

Collaborative Watershed Planning Under the 2012 MS4 Permit

- ❑ Address water quality concerns, including 33 TMDLs
- ❑ Increase stormwater reuse
- ❑ Augment water supply



Summary

- ❑ Investing in Stormwater for Local Sustainability
- ❑ Public Education and Involvement
- ❑ Integrated, Collaborative Planning

