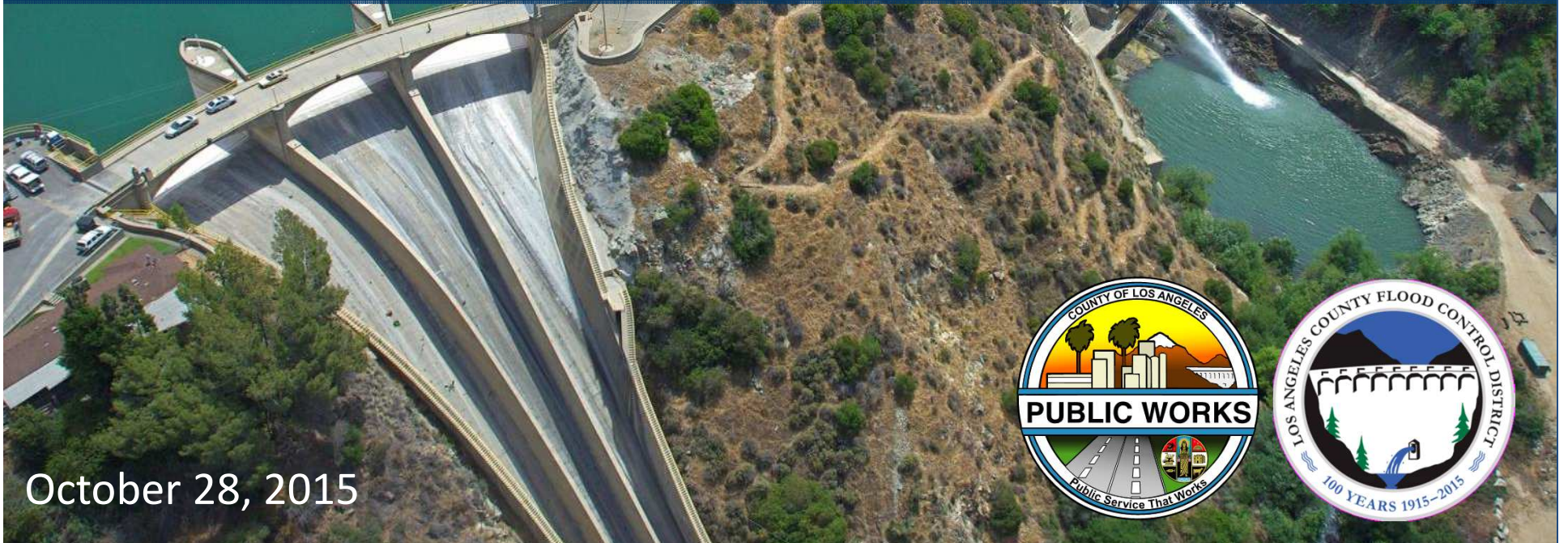




PUBLIC WORKS
LOS ANGELES COUNTY

Los Angeles County Department of Public Works

Flood Management in Los Angeles County



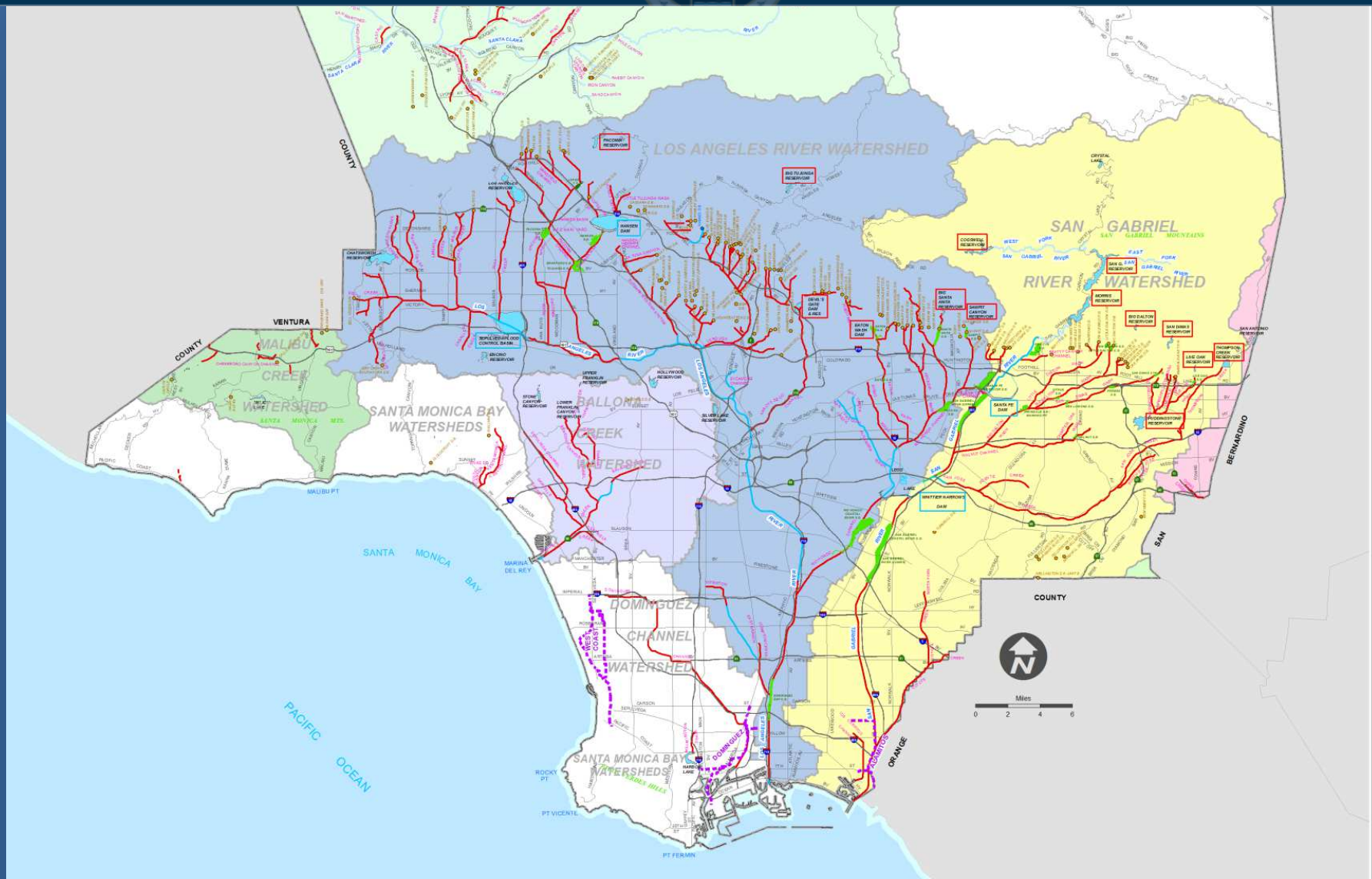
October 28, 2015





PUBLIC WORKS

LOS ANGELES COUNTY





PUBLIC WORKS
LOS ANGELES COUNTY



Public Works Core Service Areas

**Public
Buildings**

**Water
Resources**

**Waste
Management**

Transportation

**Development
Services**

**Emergency
Management**



Preparing for El Nino





Preparing for El Nino





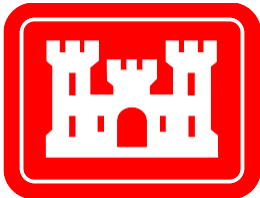
Preparing for El Nino





PUBLIC WORKS
LOS ANGELES COUNTY

Pre-Storm Coordination Activities





Available Resources

- ❑ C.A.R.E.: Coordinated Agency Recovery Effort (dpw.lacounty.gov/care)
- ❑ Alert L.A. County
- ❑ DPW 24-hour Dispatch: (800) 675 – HELP (4357)
- ❑ dpw.lacounty.gov/contact/
- ❑ Twitter: @dpwCARE @LAPublicWorks
- ❑ Los Angeles County – The Works smart phone app
- ❑ <https://www.lacounty.gov/elnino>
- ❑ 911 for Emergencies





LA Region's Sources of Water

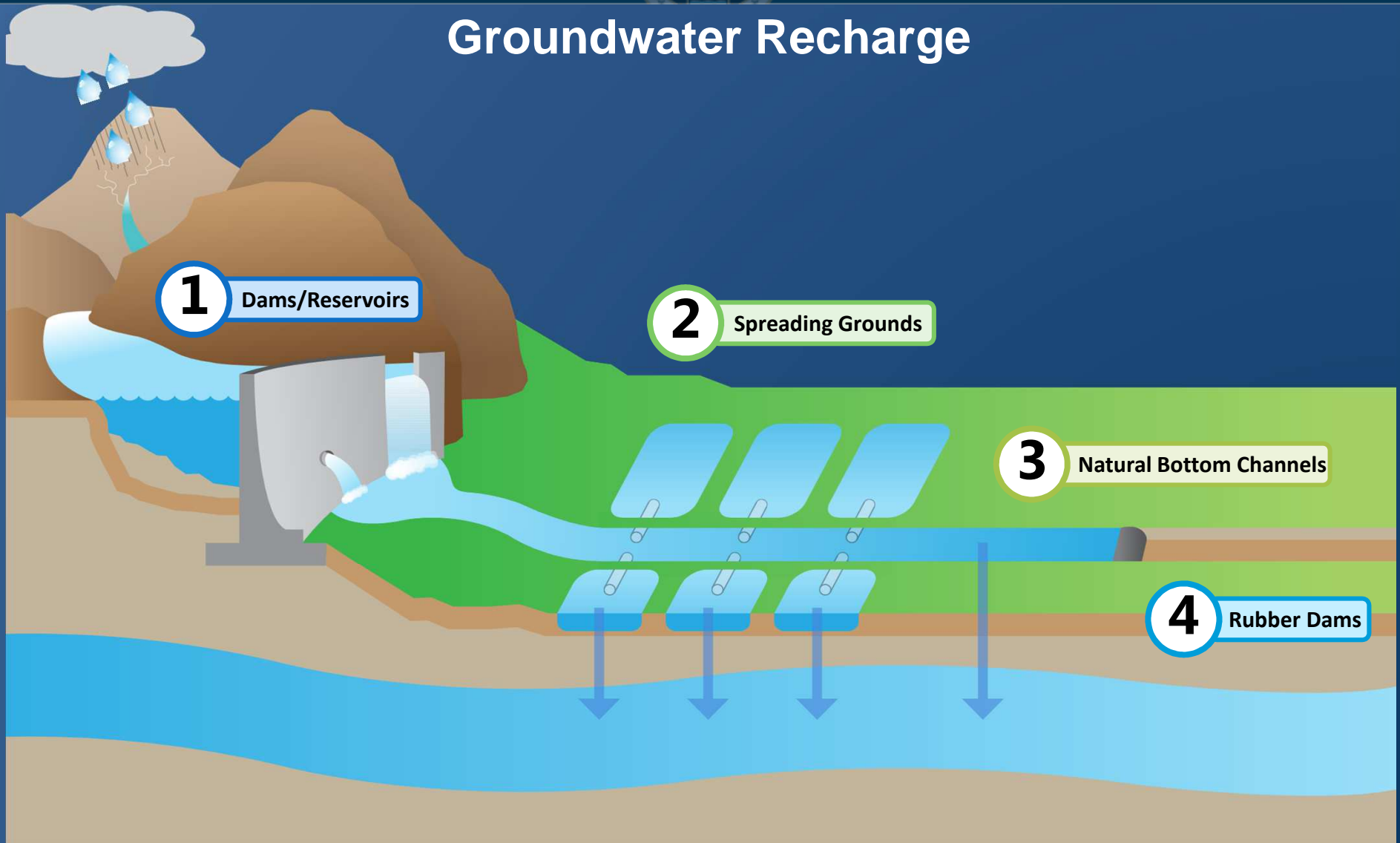
1/3 Local

- Groundwater
- Local Surface
- Reclaimed



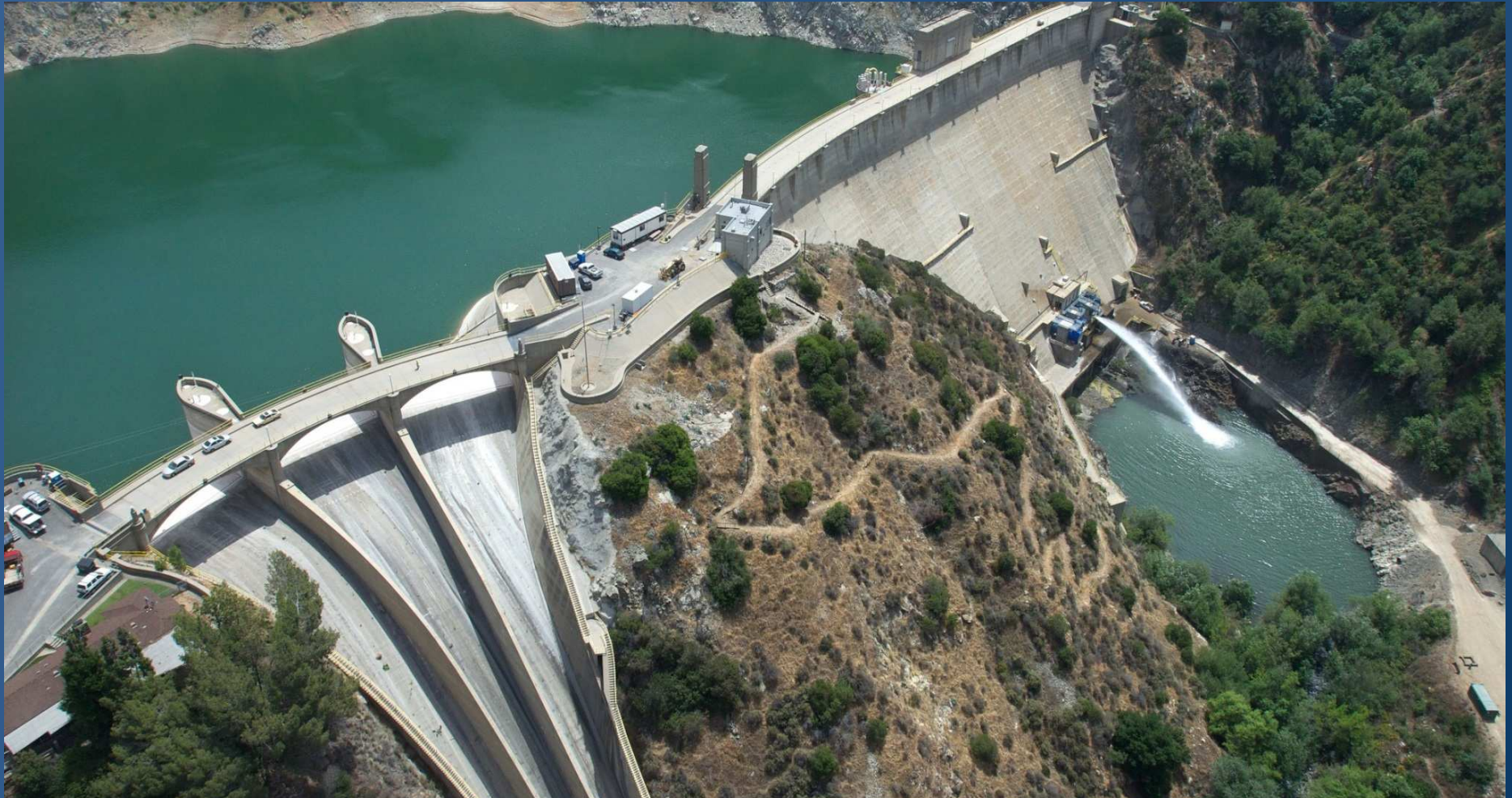


Groundwater Recharge





Major Dams and Reservoirs



Morris Dam



Spreading Grounds



Hansen Spreading Grounds

Soft Bottom Channels and Rubber Dams

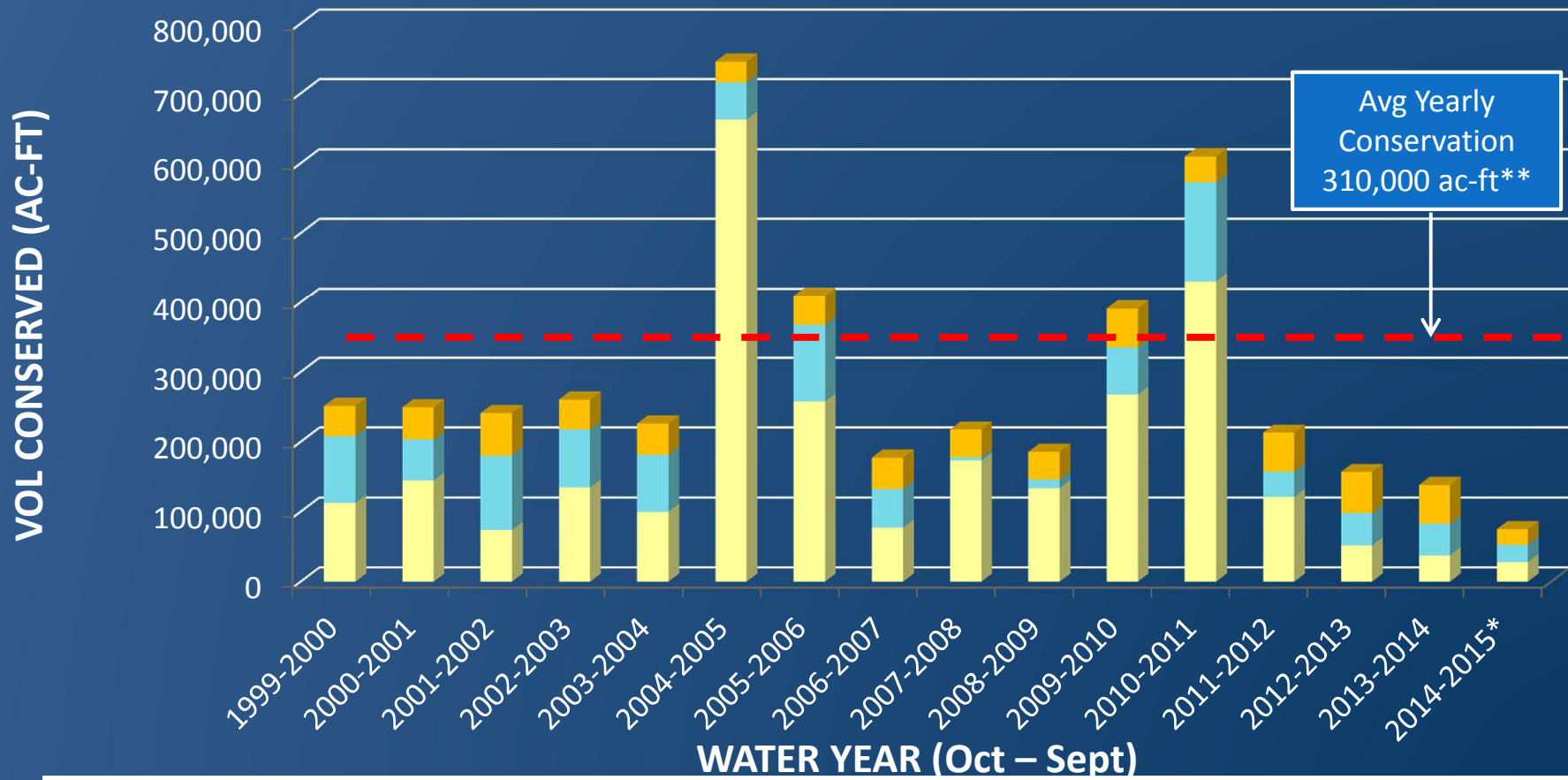


San Gabriel River



Flood Control District Groundwater Recharge

Stormwater Imported Recycled



Avg Yearly Conservation
310,000 ac-ft**

Water Conservation and Flood Control Challenges

- ❑ The Sediment Management challenge threatens local water conservation and storage facilities
- ❑ 8 million cubic yards to be removed from Devil's Gate, Big Tujunga, and Pacoima Reservoirs over the next 7 – 10 years



Pickens Debris Basin - 2009-10 Storm Season



La Canada Flintridge, January 2010



Infrastructure Investments



Big Tujunga Dam

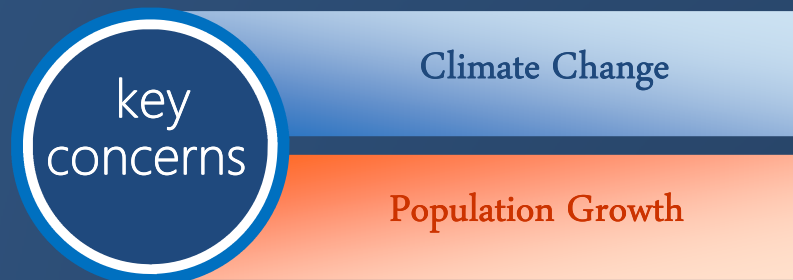


Los Angeles Basin Stormwater Conservation Study



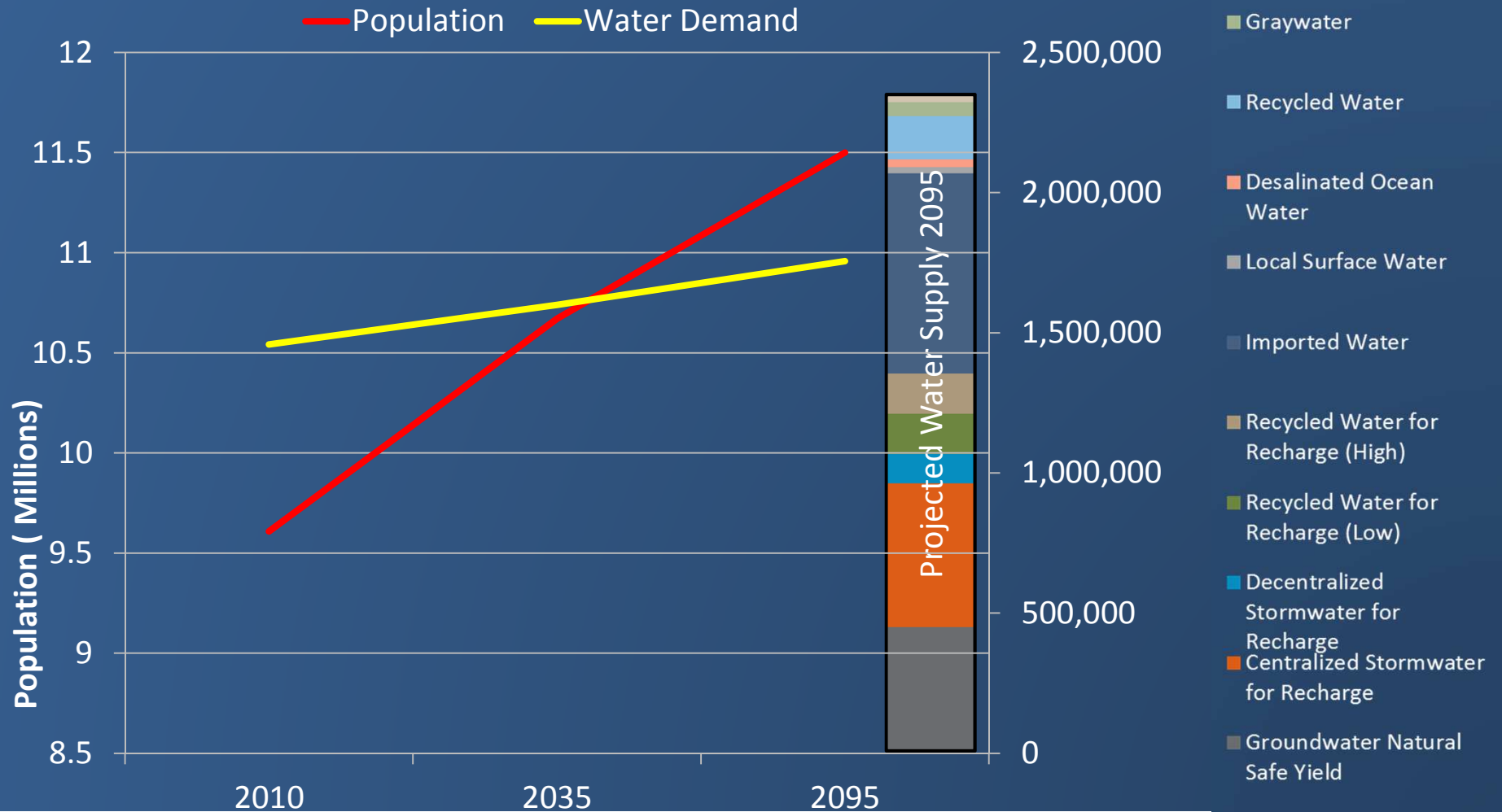
Objectives

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





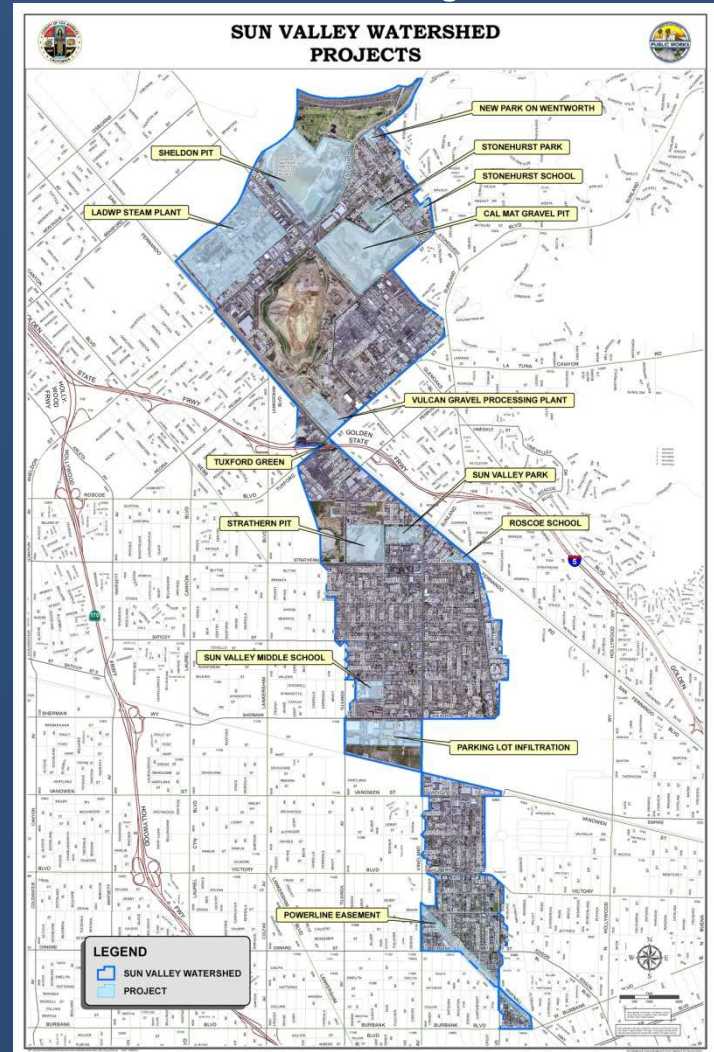
Basin Study: Initial Findings





Multi-Benefit Case Study: Sun Valley Watershed Project

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



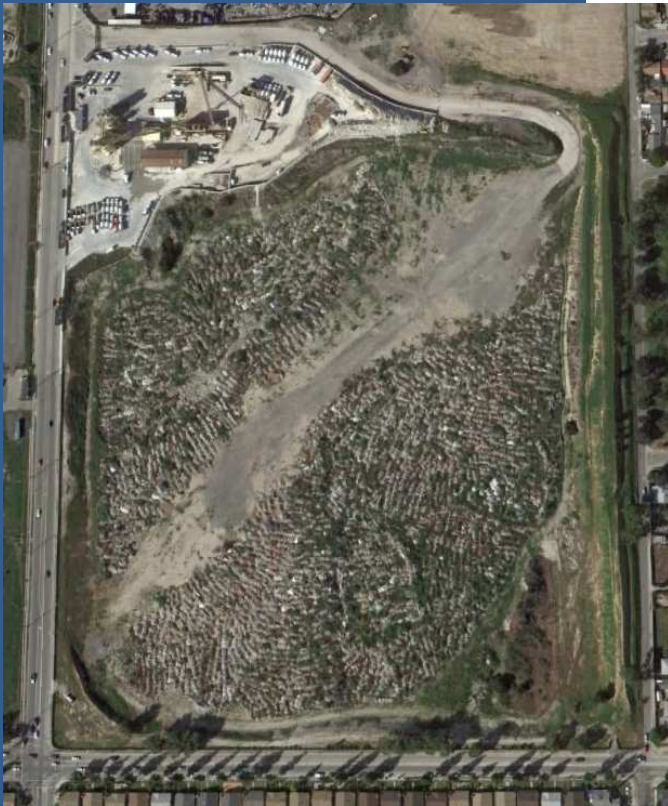


Multi-benefit Project: Sun Valley Park





Multi-benefit Project: Rory M. Shaw Wetlands



Pilot Study:

Distributed Stormwater Capture System on Residential Parcels





Water Energy Nexus (GHG Reductions):

Imported

vs

Stormwater



Summary

- ❑ Well Prepared for Flood Management
- ❑ Investing in Stormwater for Local Sustainability
- ❑ Integrated, Collaborative Planning

