Water Resources Division

Stormwater Capture Program

October 2026

LA's Water Supply Sources

State Water Project (MWD)





Local Groundwater
& Recycled Water





LA Aqueduct



Colorado River
Aqueduct (MWD)



LA DWP

LA's History with Stormwater

Challenges

- Extreme wet weather and flooding
- Stormwater channeled into ocean
- Carries harmful pollutants
- Urbanization reduces aquifer recharge

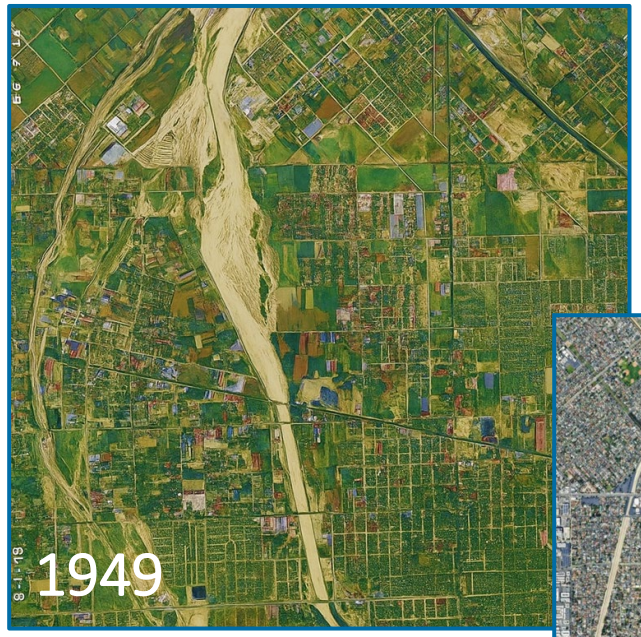
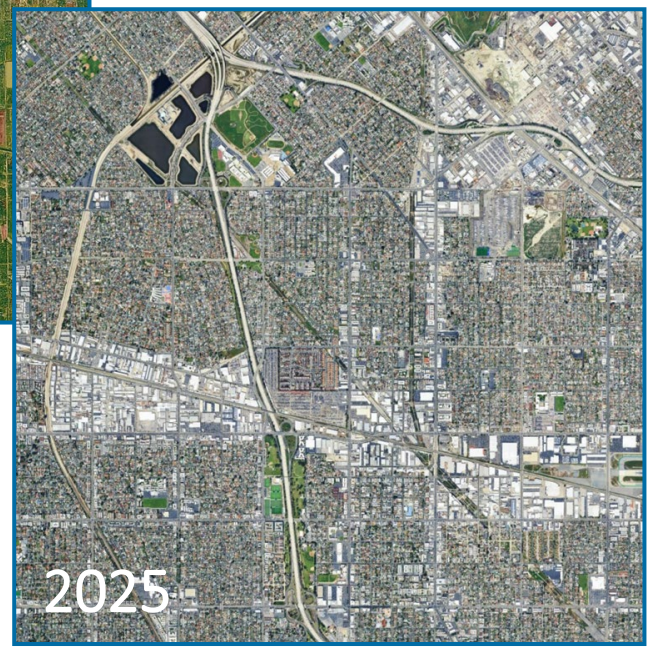
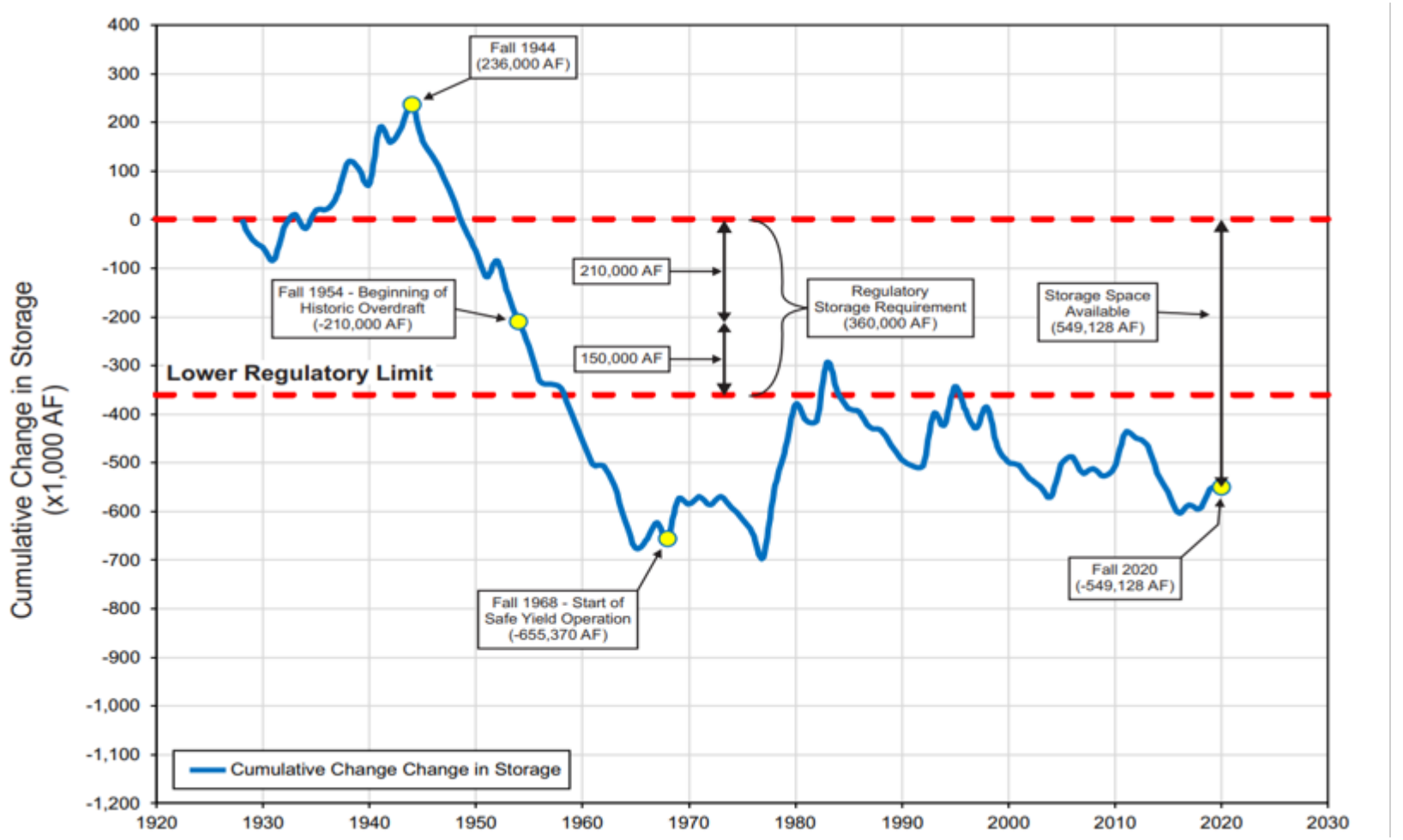


Photo colorized from original image

Urbanization in the San Fernando Valley



San Fernando Groundwater



Localized Flooding

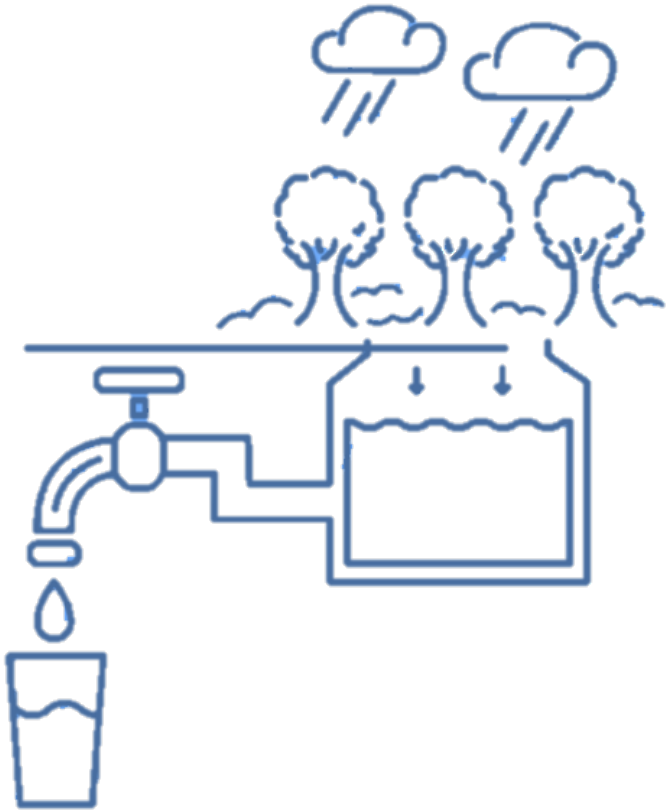


Multi-Benefits of Stormwater Capture



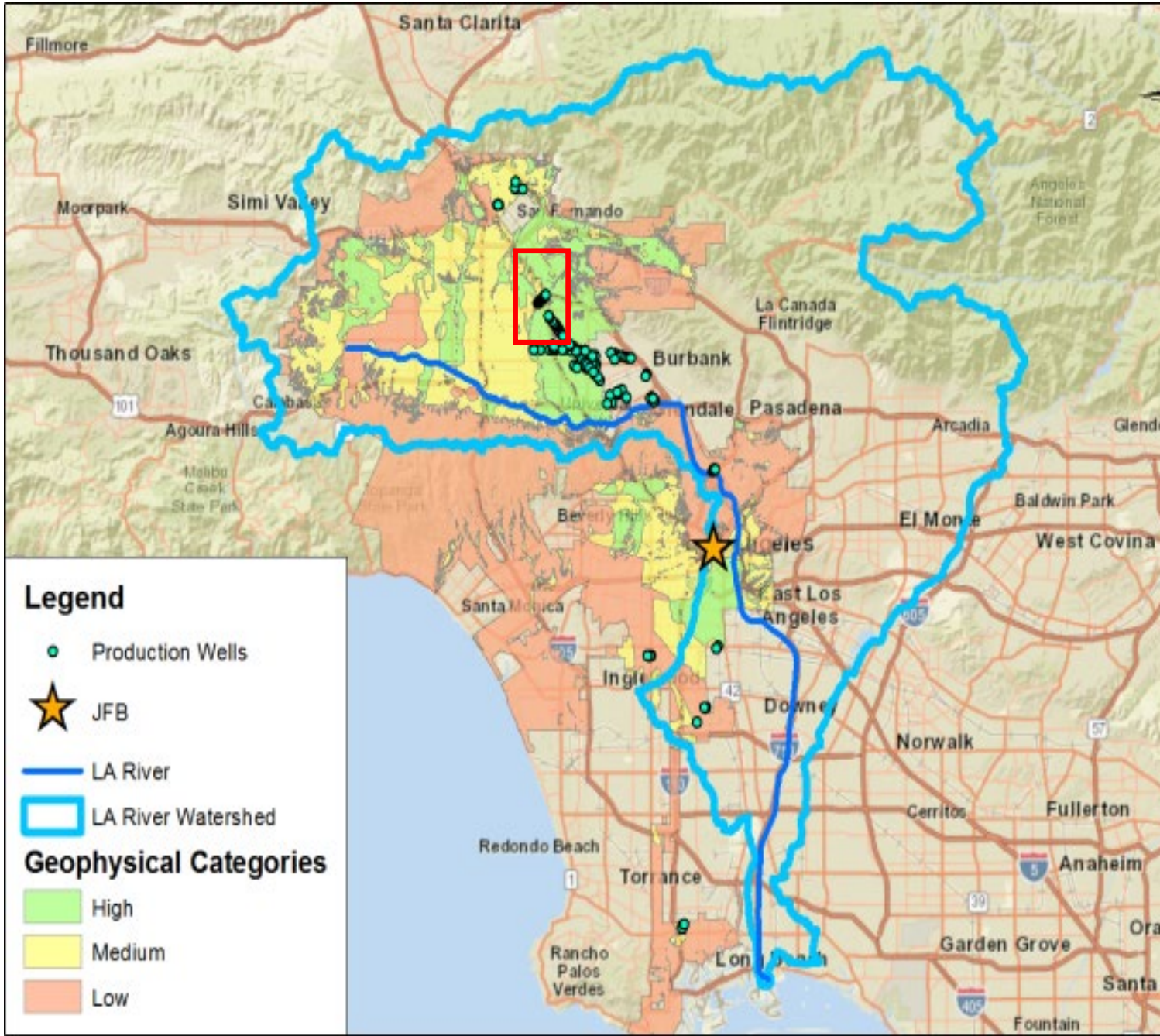
Maximizing Stormwater Capture

- Stormwater Capture Master Plan strategies
- Recharge the San Fernando Groundwater Basin
- Direct use systems
- Diversion to water reclamation plant
- **Leverage funding sources**
- **Forge new partnerships**
- **Multi-benefit approach**



Strategically Located

- San Fernando Basin
  - Water rights
  - Pumping, treatment infrastructure
- Favorable conditions
  - Mitigate Flooding
  - Permeable soils
  - City-owned parks



Tujunga Spreading Grounds

Enhancement completed 2022



LA DWP Los Angeles Department of Water & Power

Sources of Water



Enhancement Project Overview



Phase 2: Intake Enhancements







Rubber Dam Construction in Tujunga Wash

Spreading Operations



March 2023



August 2023

WY 25-26 Stormwater Capture to Date: 113,533* AF



Centralized Capture
- 62,159 AF
- e.g. spreading grounds

Distributed Capture
- 4,797 AF
- e.g. green streets, rain barrels



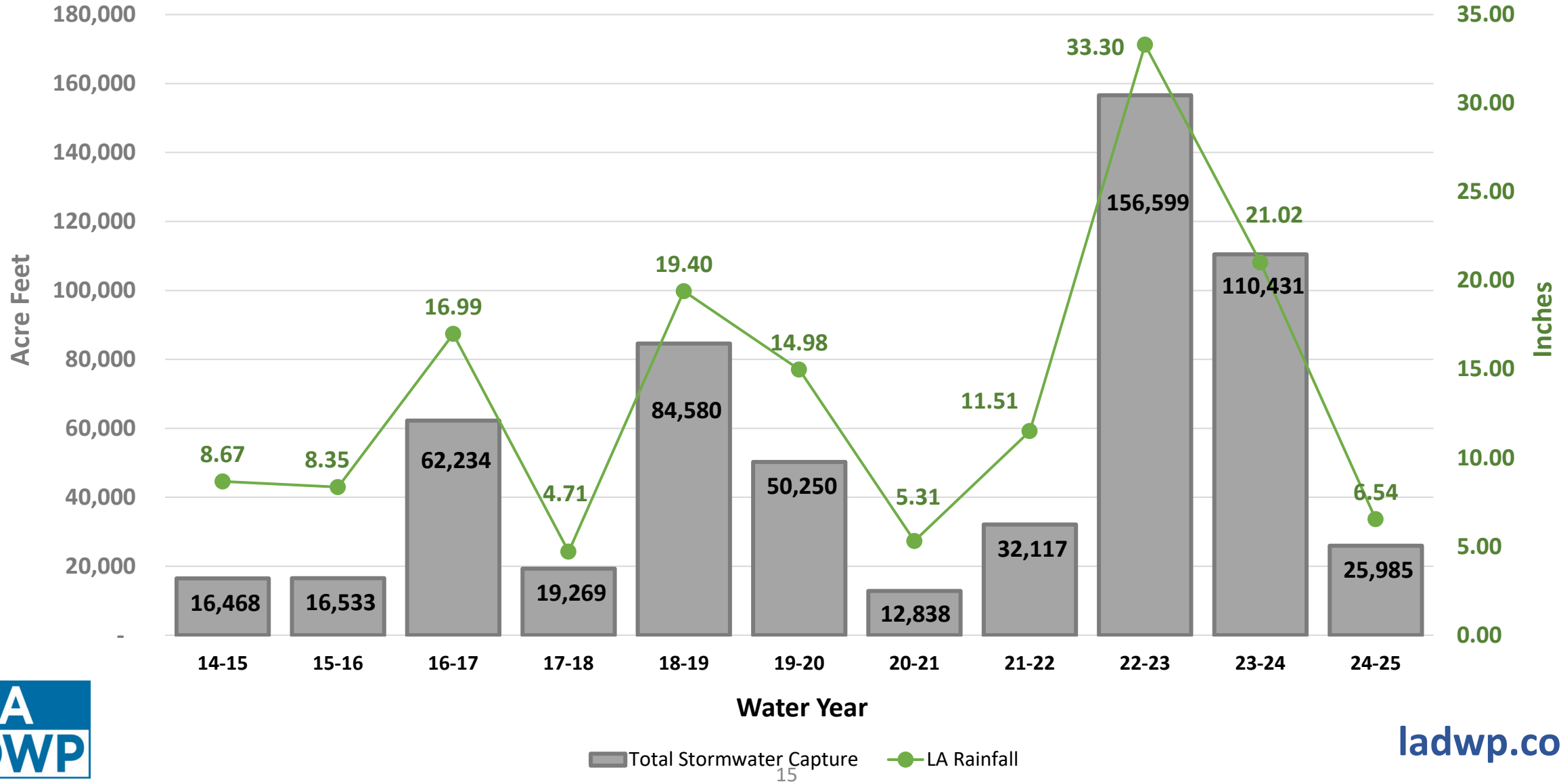


Incidental Capture
- 46,577 AF
- i.e. natural percolation

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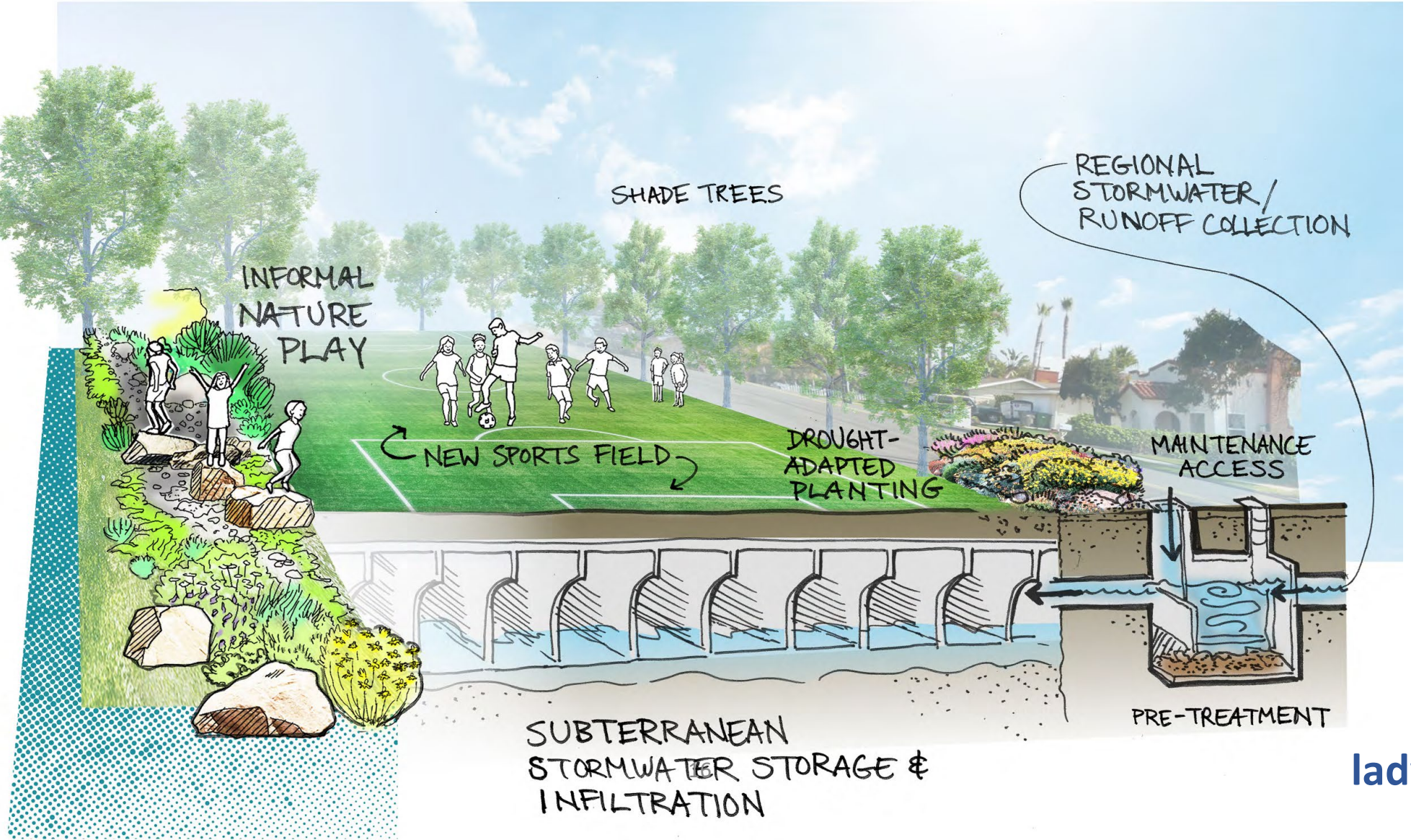
Stormwater Capture over the Past 10 Years



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Stormwater Capture Parks Program

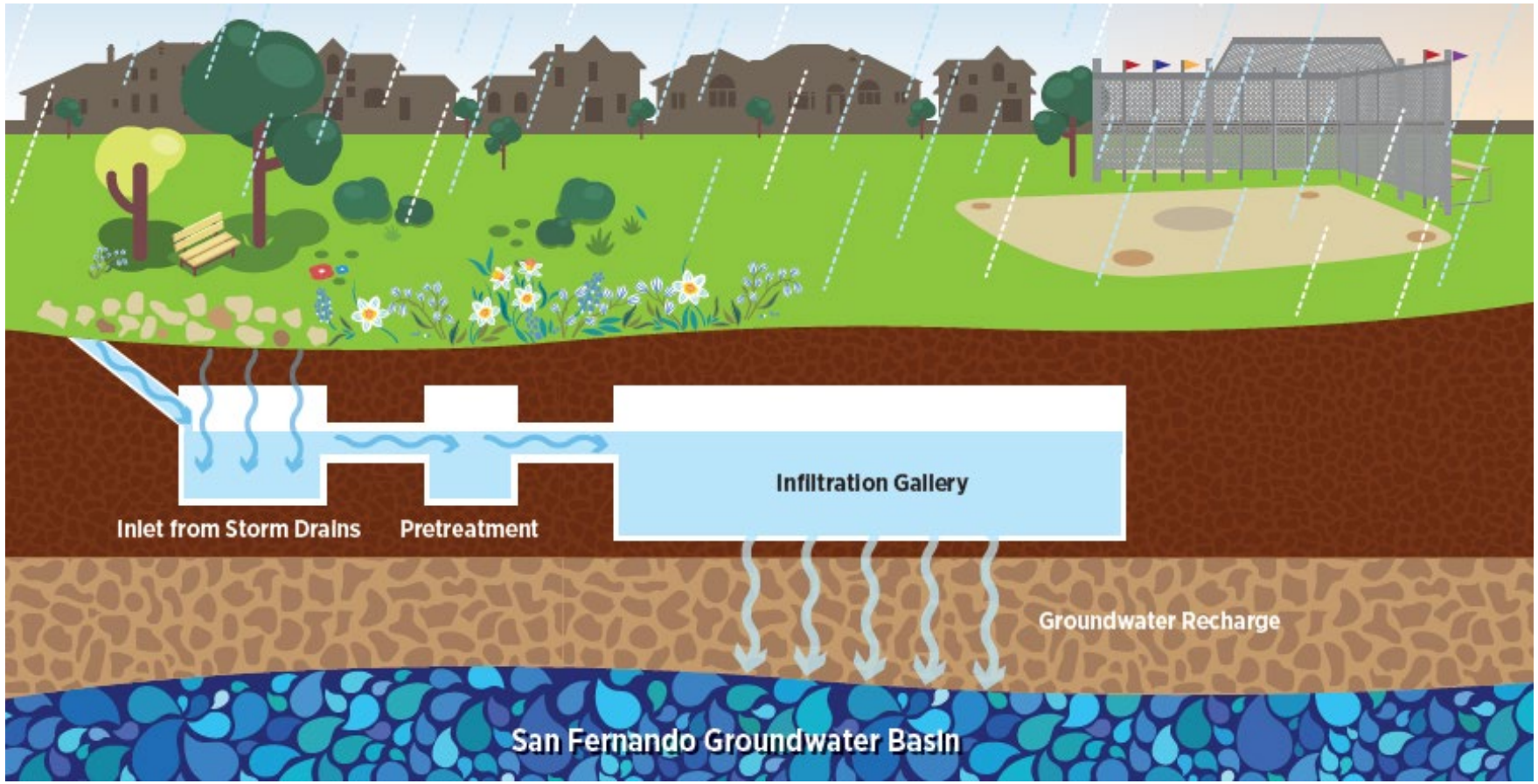


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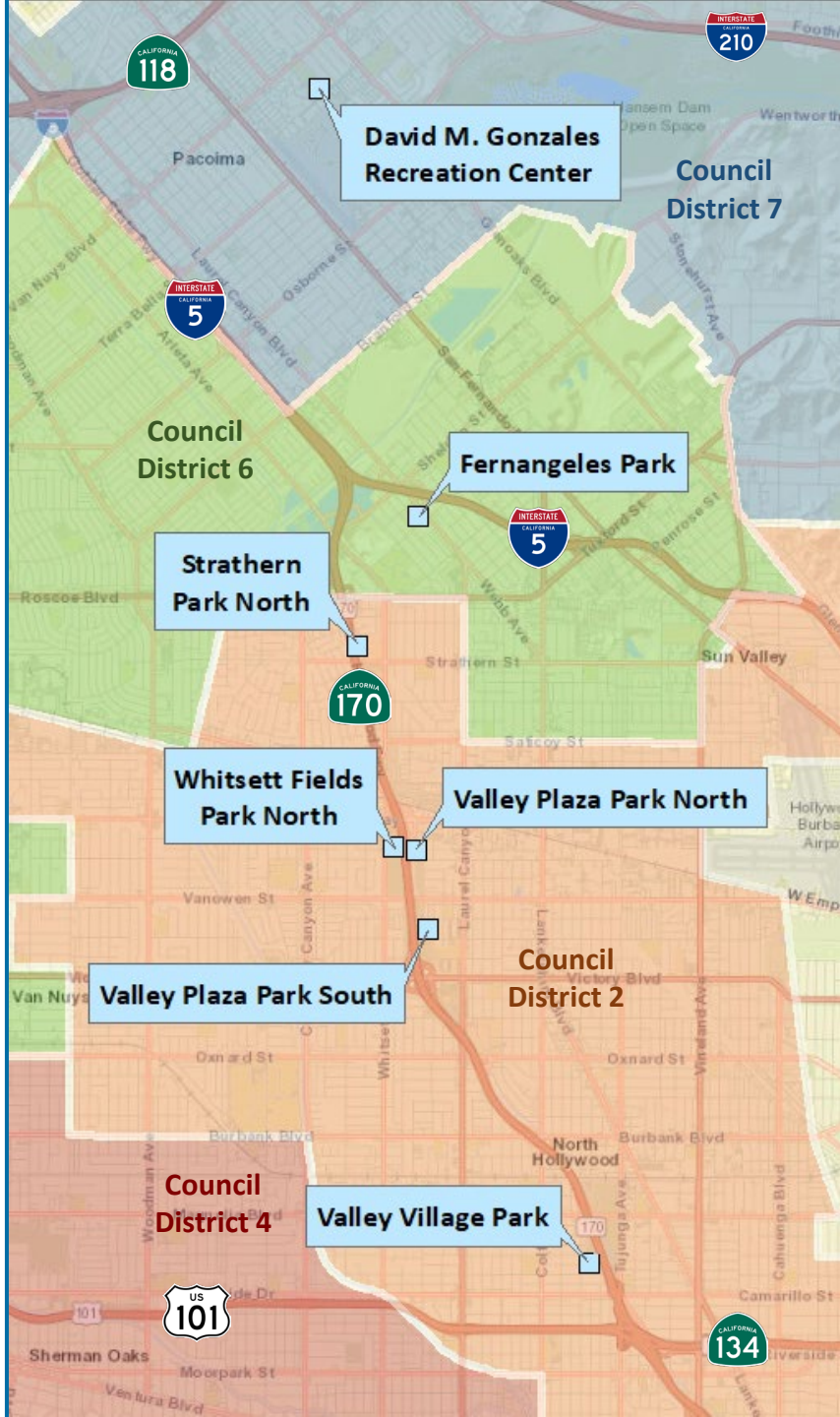
Stormwater Capture Parks Program

- Stormwater sources
  - LACFCD storm drains/channels
  - Caltrans (I-5)
  - Local urban runoff
- Program-level
  - 1,800 AFY of stormwater capture
  - Runoff from 3,400 acres



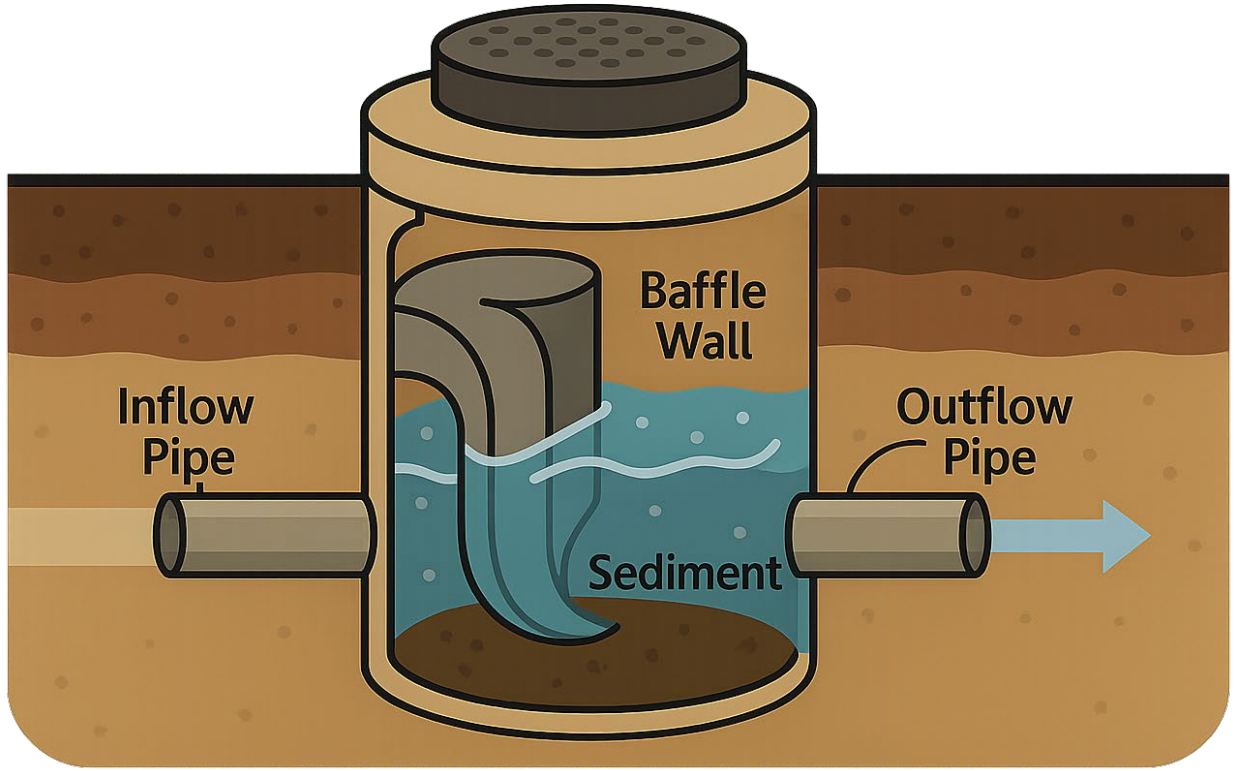
Multi-Benefit Future: Stormwater Capture Parks Program

- Stormwater capture projects at 7 parks
- Captures and infiltrates ~ 1,800 AFY
- Improves water quality and flood management
- Enhances park space, recreation, and greening
- Located in disadvantaged communities



Pre-treatment

- Devices
  - Desilting basins
  - Hydrodynamic separators
  - Sand filter
- Pollutants
  - Trash
  - Sediment
  - Nutrients
  - Metals
  - Bacteria

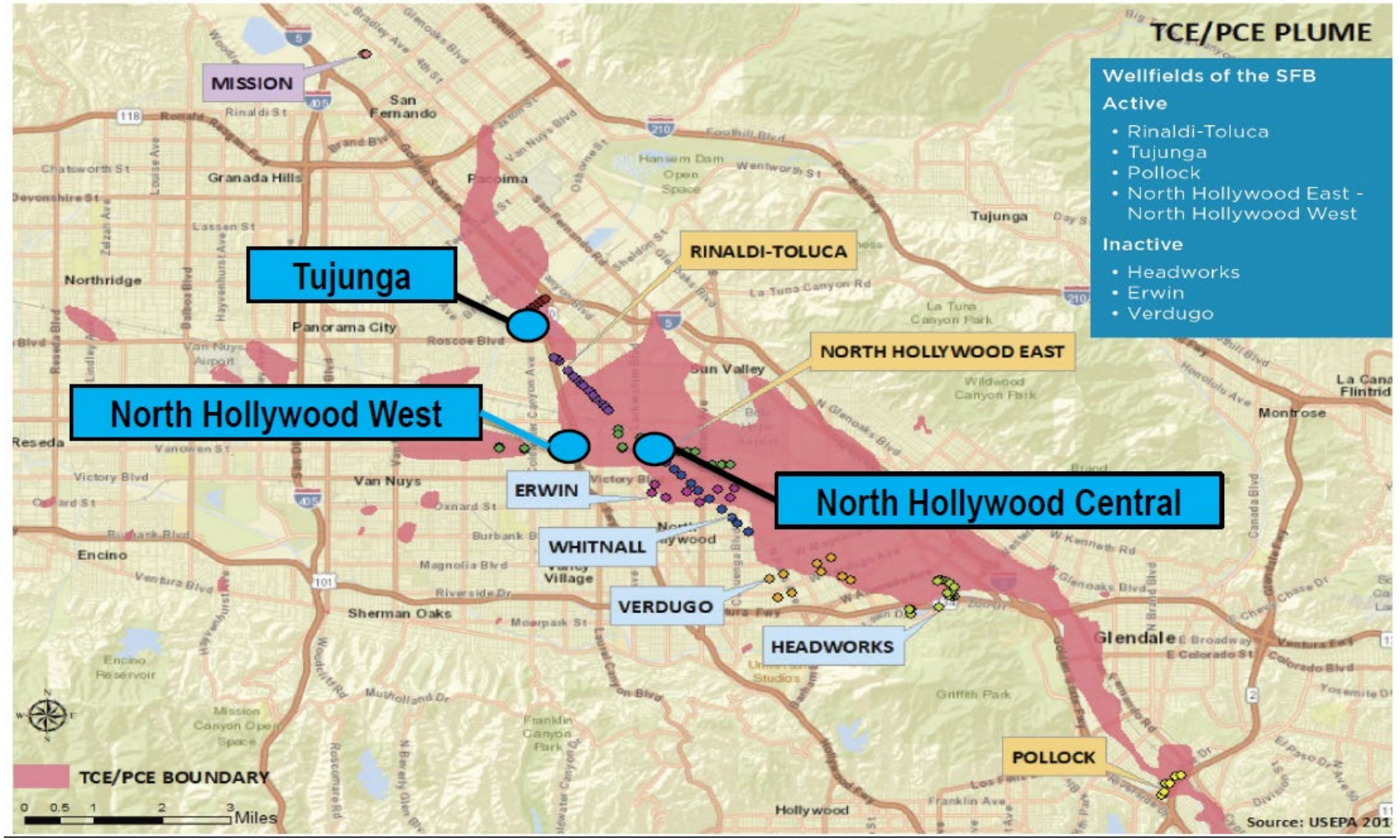




Infiltration

- Subterranean reinforced concrete chambers
  - Retain stormwater
  - Replenish groundwater basin

Groundwater Contamination



Treatment Facilities









Providing clean, reliable water and power and excellent customer service in a safe, environmentally responsible and cost-effective manner.