

City of Los Angeles
Department of Water and Power
Stormwater Capture Program



LADWP Stormwater Capture Program

Goals and Objectives

- **Continue coordination between city departments, other governmental agencies, and community based organizations.**
- **Increase stormwater capture by 25,000 acre-feet by 2035 while provide other watershed benefits**
- **Cleanup of the San Fernando Groundwater Basin**
- **Incorporate Stormwater as a Supply Source in the City's Urban Water Management Plan**
- **Complete Stormwater Capture Master Plan**

Partnerships and Coordination

- **TreePeople MOU**
- **Los Angeles County Flood Control District - Large Scale Centralized Recharge Projects**
- **City of Los Angeles Departments – Smaller Scale Distributed Recharge Projects in conjunction with:**
 - **Council for Watershed Health (Elmer Paseo Project)**
 - **The River Project (Woodman Avenue)**
 - **Generation Water (Rain Garden Pilot Program)**
 - **Hollywood Beautification Team (Glenoaks/Sunland Project & Rain Barrel Pilot)**

Large Scale Projects



Hansen Spreading Grounds Project

- LACFCD/LADWP Project
 - Cost \$10 million
 - LADWP provided \$4.1 million of funding
 - Construction completed in November 2009
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- Project deepened and enlarged the spreading basins, and improved and automated the control structures
 - Storage capacity increased from 279 acre-feet to 1,500 acre-feet
 - Increased recharge by 1,200 acre-feet annually

Rain Garden Pilot Program

Program Partners: Generation Water & TreePeople

- Rebate of up to \$500 per rain garden
- Sized to capture/infiltrate a minimum of 500 square feet of roof area.
- The maximum rebate of \$1,000 per household.
- Estimated stormwater capture 5–6 acre-feet per year by the installation of 310 rain gardens.
- Scheduled to be available through December 2013



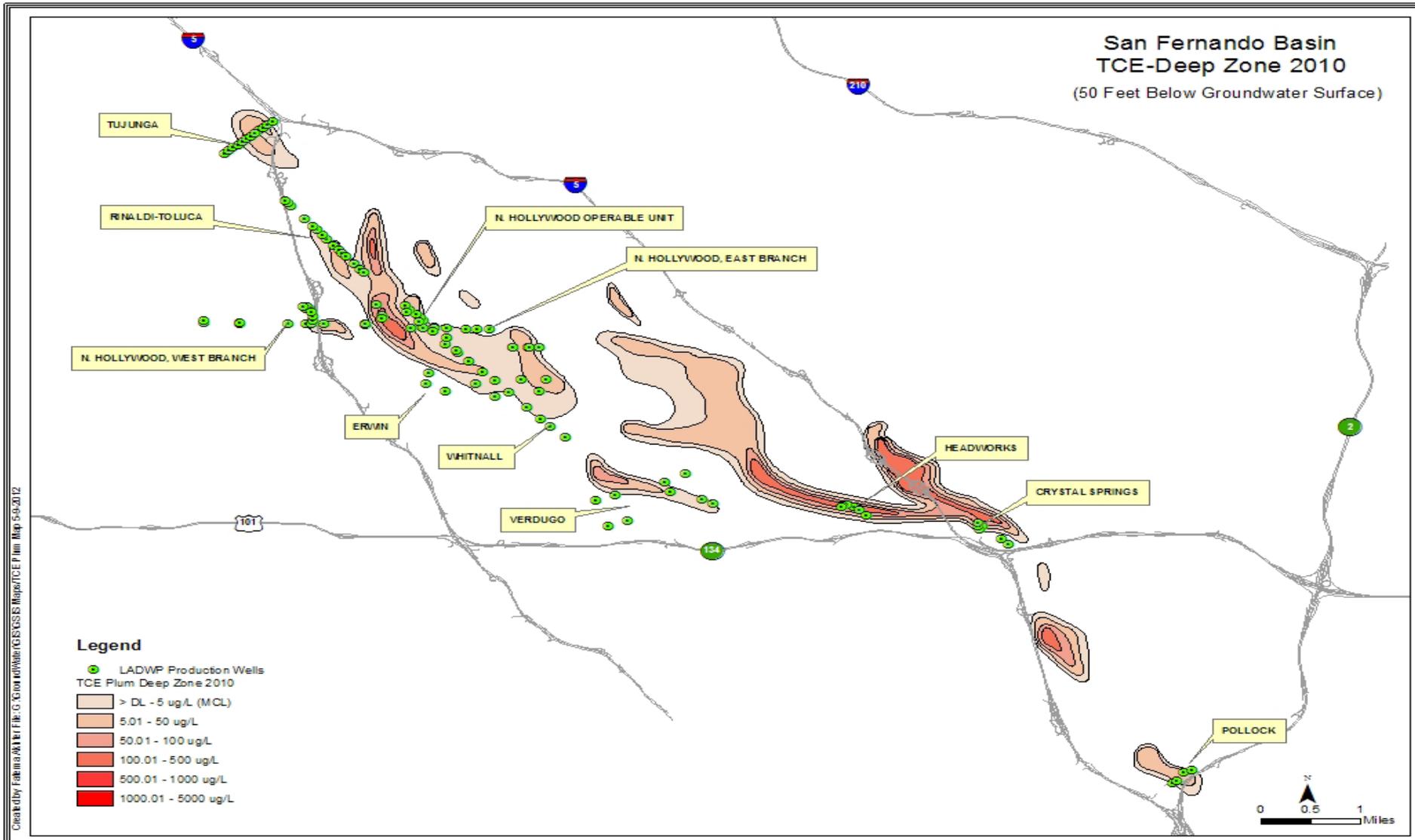
Rain Barrel Pilot Program

HBT Stormwater Capture Project

- Community Rain Barrels Workshop
- Develop community rain barrel workshops on the need for rainwater capture.
- Training on how a customer can build their own rain barrels.
- The proper use of 600 rain barrels.
- The rain barrels built using a 55-gallon recycled waste barrel attached to various plumbing fixtures such as a garden hose and an overflow device.



Cleanup of the San Fernando Groundwater Basin



Urban Water Management Plan & Stormwater Capture Master Plan

- **2010 UWMP Stormwater Supply Goal –**
 - Total of 25,000 AFY by 2035
 - Increased groundwater pumping rights in the San Fernando Basin of 15,000 AFY.
 - Stormwater capture projects will also provide 10,000 AFY of additional capture and reuse solutions.
- **Stormwater Capture Master Plan -**
 - Quantify maximum stormwater capture potential to significantly increase the beneficial use of stormwater as a water supply.
 - Develop feasible centralized and decentralized stormwater capture alternatives
 - The Master Plan will also evaluate the multi-beneficial aspects of increasing stormwater capture, including potential open space alternatives, improved downstream water quality, and peak flow attenuation in downstream streams, and rivers such as the Los Angeles River.

Summary

- **If Properly Managed Stormwater Can Provide a New Water Supply Source**
- **To Accomplish this Goal it is Important to:**
 - **Create and Maintain Regional Partnerships**
 - **Incorporate other watershed benefits such as open space enhancements, improved water quality and increased flood protection**
 - **Develop a diverse portfolio of Stormwater Projects incorporating both centralized and distributed project alternatives.**
 - **Incorporate Stormwater into local and regional water supply planning documents.**