Upper Amargosa Creek

Flood Control, Recharge, and Habitat Restoration Project
Background

- In 2006, City of Palmdale Proposed Project
- Project Part of Antelope Valley Integrated Regional Water Management Plan (AV-IRWMP)
- Project is receiving $6.5 Million through Proposition No. 1E
- Approx. 75 acres along the Amargosa Creek
- Project located near 25th Street West, North Side of Elizabeth Lake Road
- Cooperative Agreement Executed December, 2013
Objectives

- Recharge local Antelope Valley aquifer system with available State Water Project water
- Recover water later for beneficial use
- Flood Protection
- Give local citizens creek-side community Nature Park
Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project

BACKGROUND
- Approx. 150 acres along the Amargosa Creek
- 2 miles west of Palmdale, 25th Street West
- North side of Elizabeth Lake Road
Upper Amargosa Creek
Flood Control, Recharge, and Habitat Restoration Project

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- Approx. 150 acres along the Amargosa Creek
- 2 miles west of Palmdale, 25th Street West
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Studies

- Identified three trending faults
  - Barriers to groundwater flow
- Identify aquifer storage amount
  - Simulated recharge rate: 6,400 - 9,400 Acre-Ft./Year
- Monitor movement of recharge water
- Defined thickness of deposits, depth to water, and location of faults
- Gravity, seismic, and resistivity surveys taken
- Environmental Impact Report (EIR) certified by City in 2010
Funding

- Total Cost estimated: $14,500,000
  - Includes Design, Construction, and Contingency
- $6,500,000 from Prop 1E
- $3,000,000 from City of Palmdale
- $5,000,000 from Project Partners
  - LA County WWD40: $1,250,000
  - Palmdale Water District: $1,250,000
  - AVEK Water Agency: $2,500,000
Partnership with Local Agencies

- Increased Aquifer Supply to PWD Wells
- Expand Water Supply Portfolio

- Operational Flexibility
- Recharge Capacity of 1,600 – 2,350 Acre-Ft./Year

PWD Benefit
Schedule

- Design (GEI) currently at 90%
- Design scheduled to be complete in late 2016
- Construction to begin in early 2017
- Project to be completed in late 2017
Questions?