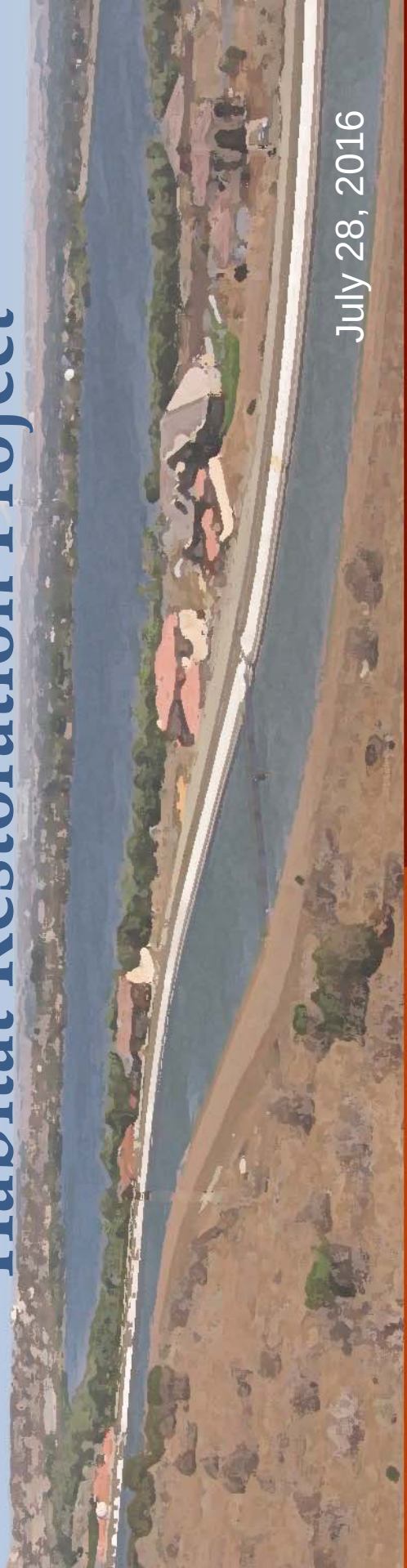




Upper Amargosa Creek

Flood Control, Recharge, and Habitat Restoration Project



July 28, 2016

Background

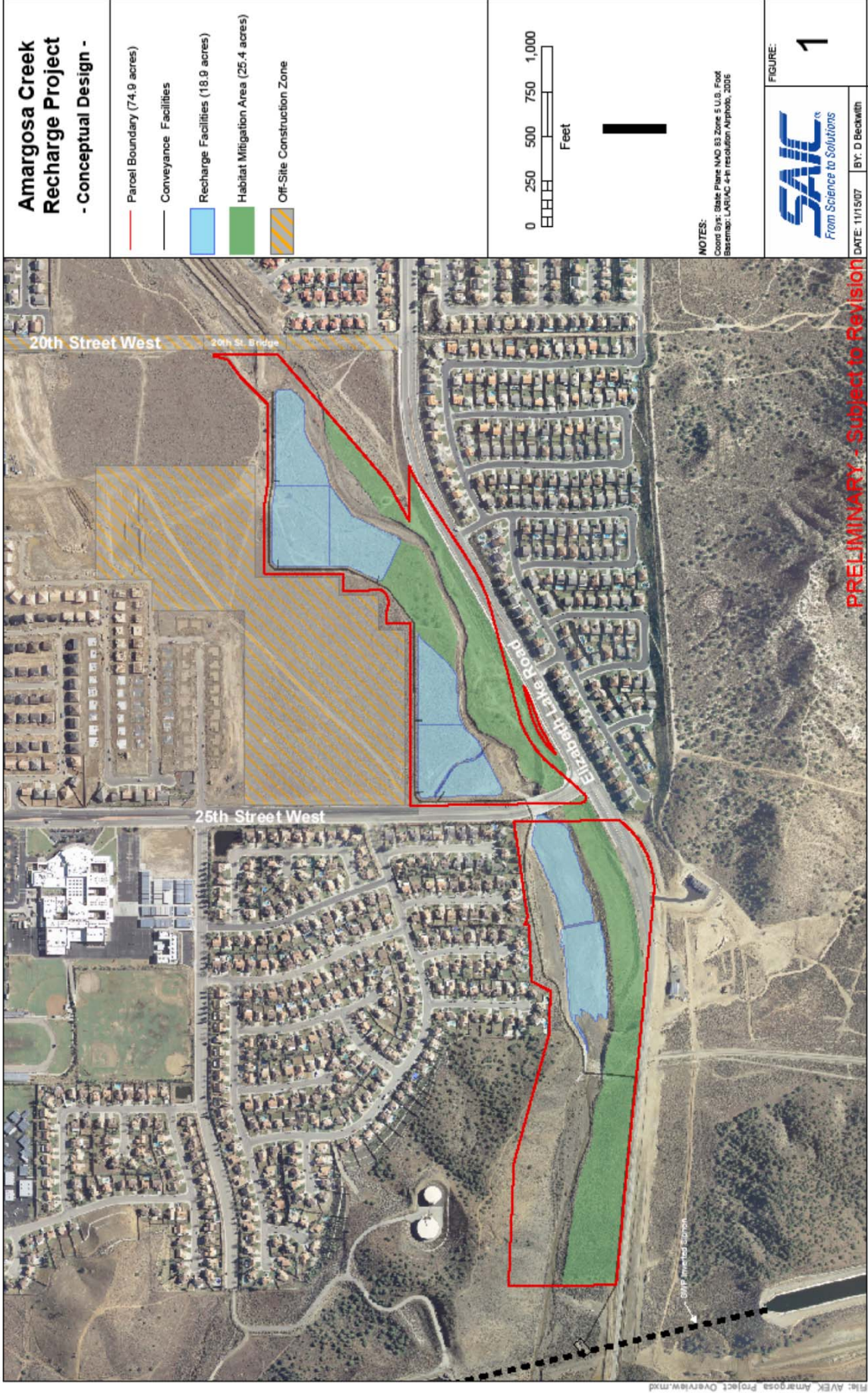
- ❑ In 2006, City of Palmdale Proposed Project
- ❑ Project Part of Antelope Valley Integrated Regional Water Management Plan (AV-IRWMP)
- ❑ Project is receiving \$6.5 Million through Proposition No. 1E
- ❑ Approx. 75 acres along the Amargosa Creek
- ❑ Project located near 25th Street West, North Side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

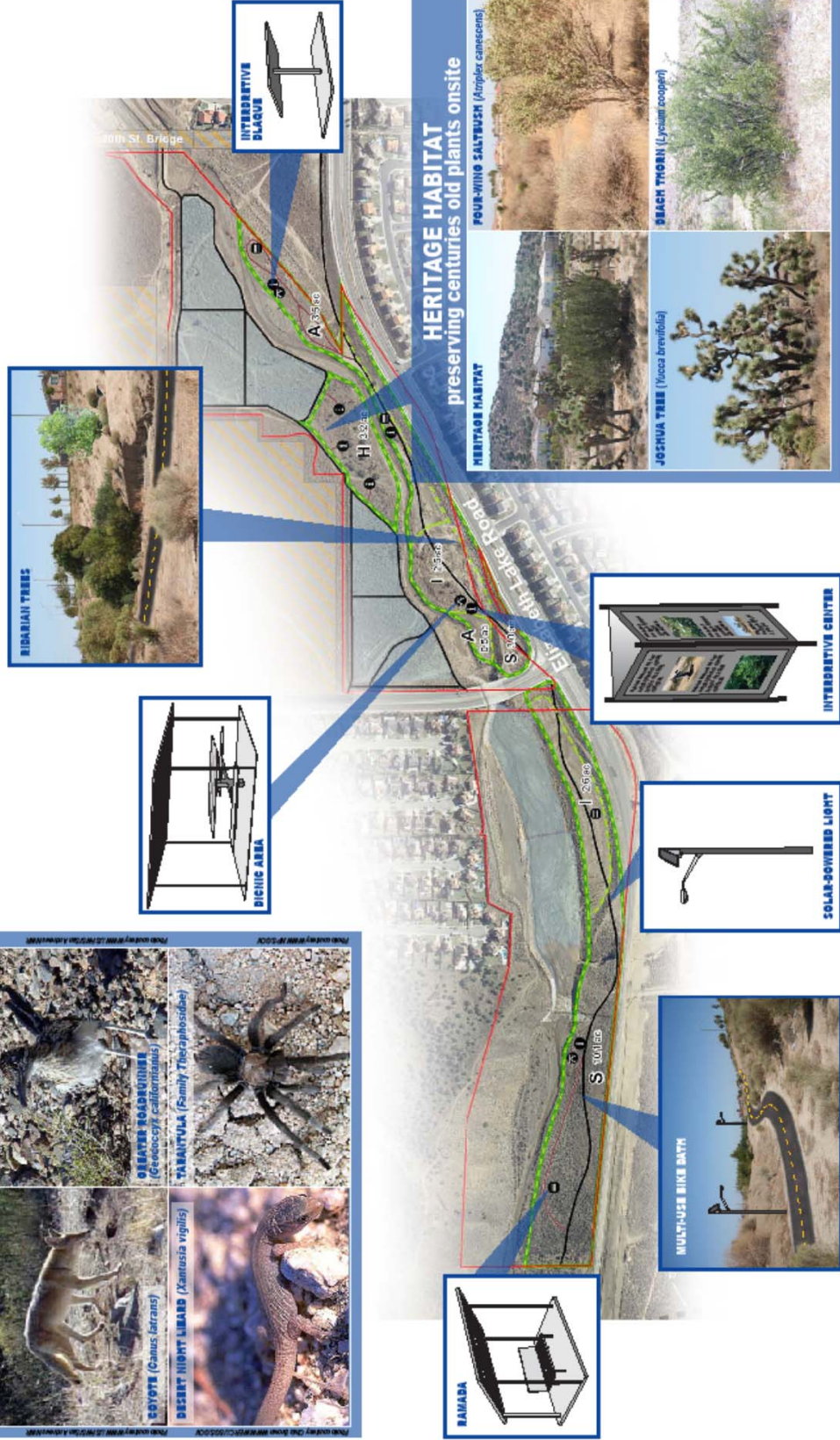


Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project

AMARGOSA CREEK ANIMALS



AMARGOSA CREEK NATURE PARK



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

PWD Benefit

- ❑ Partnership with Local Agencies
- ❑ Increased Aquifer Supply to PWD Wells
- ❑ Expand Water Supply Portfolio
 - ✓ Recharge Capacity of 1,600 – 2,350 Acre-Ft./Year
 - ✓ Operational Flexibility



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 ?

