PALMDALE WATER DISTRICT
A CENTURY OF SERVICE

LITTLEROCK RESERVOIR SEDIMENT REMOVAL PROJECT

Town Hall Forum

March 8, 2018

PROJECT PURPOSE AND NEED

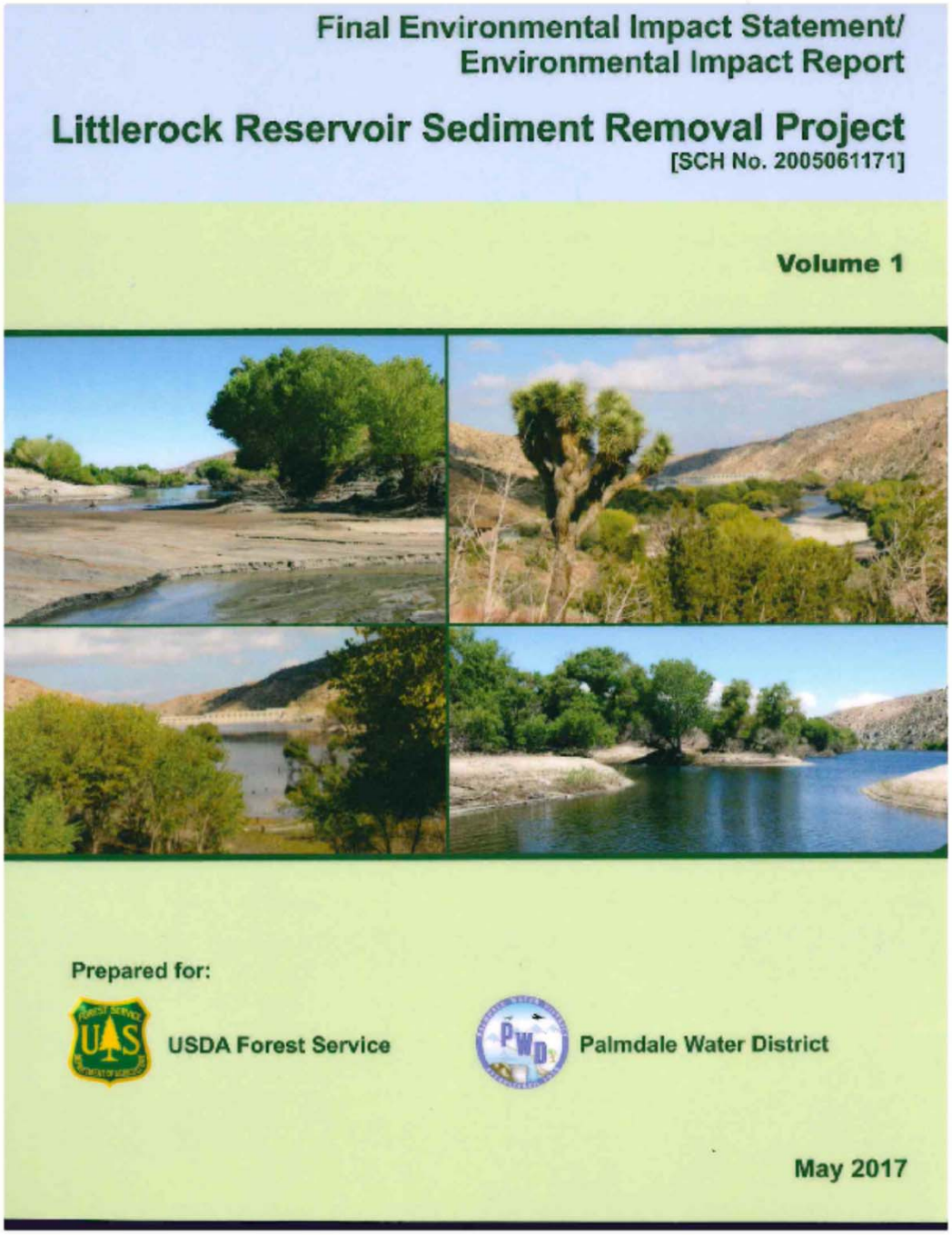
- Remove sediment that has accumulated within the Reservoir over time to restore and maintain water storage capacity and flood-control design
- Prevent disturbance upstream of Rocky Point to preserve critical habitat of arroyo toad, a federally listed endangered species

WHAT IS THE PROPOSED PROJECT?

- **Construct a subterranean grade-control structure at Rocky Point**
- **Reservoir Restoration: Remove approximately 1,165,000 cubic yards of sediment**
  - **7 to 12 years, between Labor Day and January**
- **Annual Reservoir Maintenance: Following initial sediment removal, an estimated 38,000 cubic yards removed per year to maintain capacity**
  - **Permanent activities, between Labor Day and January**

ENVIRONMENTAL REVIEW

- Assess environmental impacts
- Disclose impacts to public and agencies
- Allow for public and agency review
- Ways to avoid impacts



FINAL EIS/EIR RELEASED IN MAY 2017

Record of Decision by Forest Service on June 20, 2017

CONSTRUCTION COMPONENTS

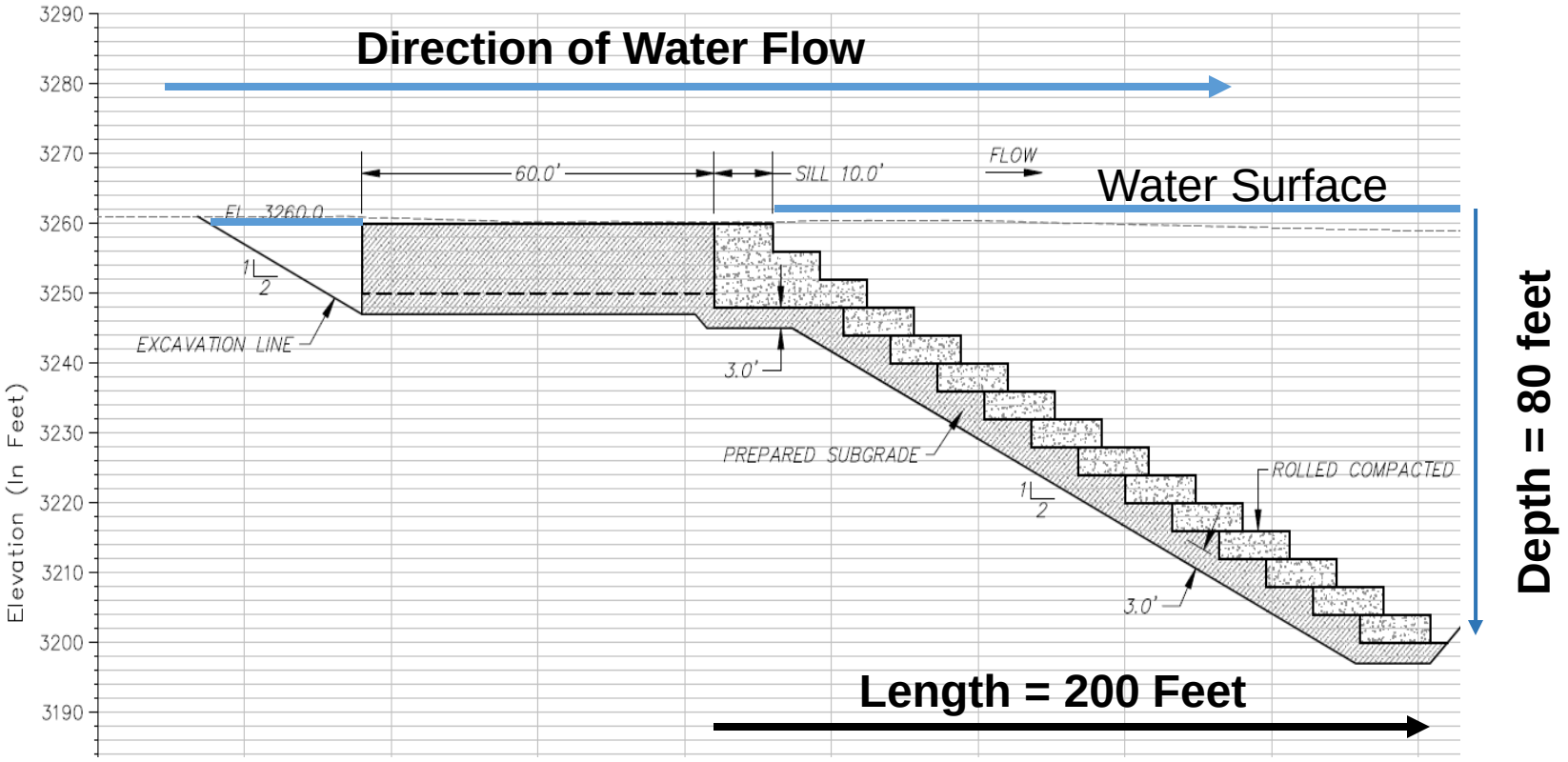
Removal of Reservoir Sediment

Rocky Point Grade/Erosion Control

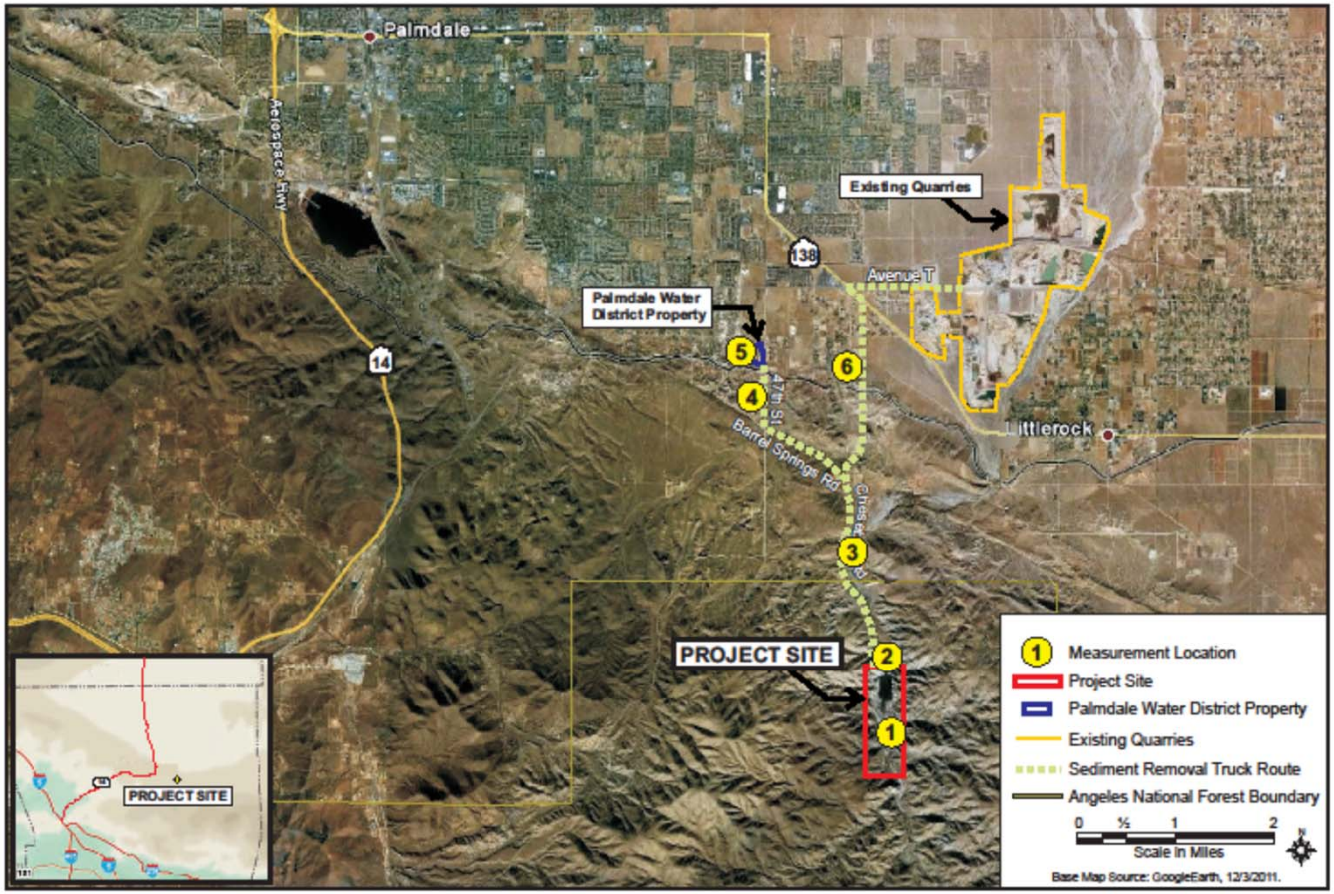
ROCKY POINT GRADE-CONTROL STRUCTURE

- Prevents erosion
- Protects upstream habitat of arroyo toad, a federally listed endangered species
- Grade-control will be constructed on a 2:1 slope in staircase fashion
- 6,350 cubic yards of concrete
- Stream channel bank protection requires 3,000 cubic yards of concrete

SCHEMATIC OF GRADE-CONTROL STRUCTURE AT ROCKY POINT



SEDIMENT DISPOSAL AREAS – QUARRY PITS, PALMDALE WATER DISTRICT PROPERTY, AND DUMP TRUCK ROUTES



Ambient Noise Measurement Locations

LITTLEROCK RESERVOIR SEDIMENT REMOVAL PROJECT

Figure C.8-1

May 2016

SEDIMENT DISPOSAL AND TRUCK TRAFFIC

Initial Removal of Sediment

- 1,165,000 cubic yards sediment
- 7 to 10 years
- Labor Day to January
- 16 dump trucks
- 240 round trips per day

Annual Removal of Sediment

- 38,000 cubic yards sediment
- Annually except in years of little streamflow and sediment
- Labor Day to January
- 6 dump trucks
- 90 round trips per day

PROJECT SCHEDULE

- **Final Design (April 2018)**
- **Complete Permits for Construction**
- **Begin Grade-Control Construction (Summer 2018)**
- **Begin Sediment Removal (September 2019)**

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Questions?