



# Anderson Dam Seismic Retrofit Project Update

Morgan Hill Public Meeting | October 24, 2018

# Welcome

- ▶ **Welcome**
- ▶ **Question and answer period following presentation**
- ▶ **Facebook Live:**
  1. **Valleywater.org/anderson-dam-project**
  2. **Submit a question online and we will address it during the question and answer period**
- ▶ **Survey: tell us how we did**

# Agenda

- ▶ **Project Components**
- ▶ **Key Project Impacts**
- ▶ **Ongoing Investigations and CEQA Studies**
- ▶ **Anderson Dam Project Schedule**
- ▶ **Q&A**





# Project Components



# Anderson Dam Existing Configuration

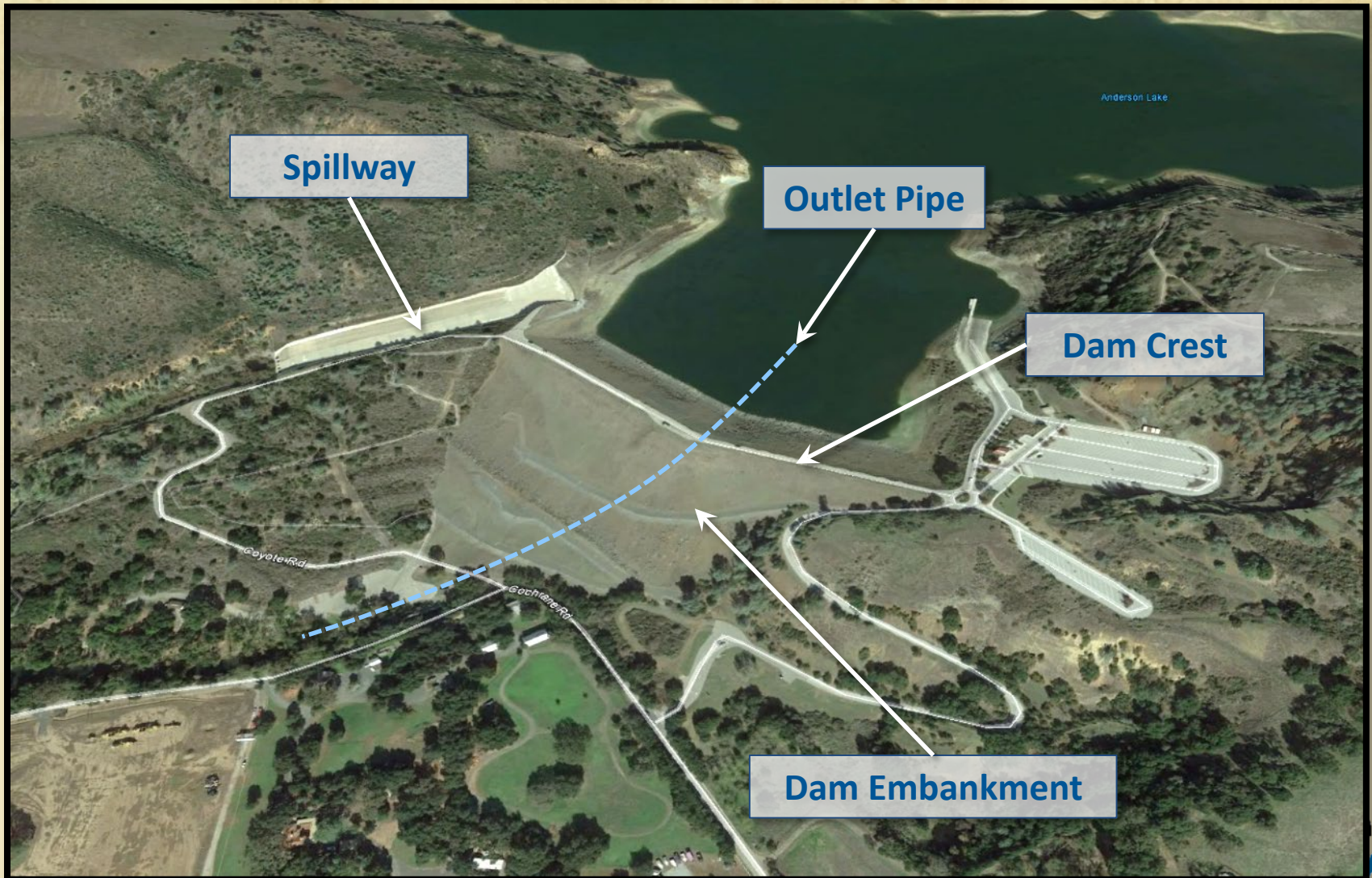
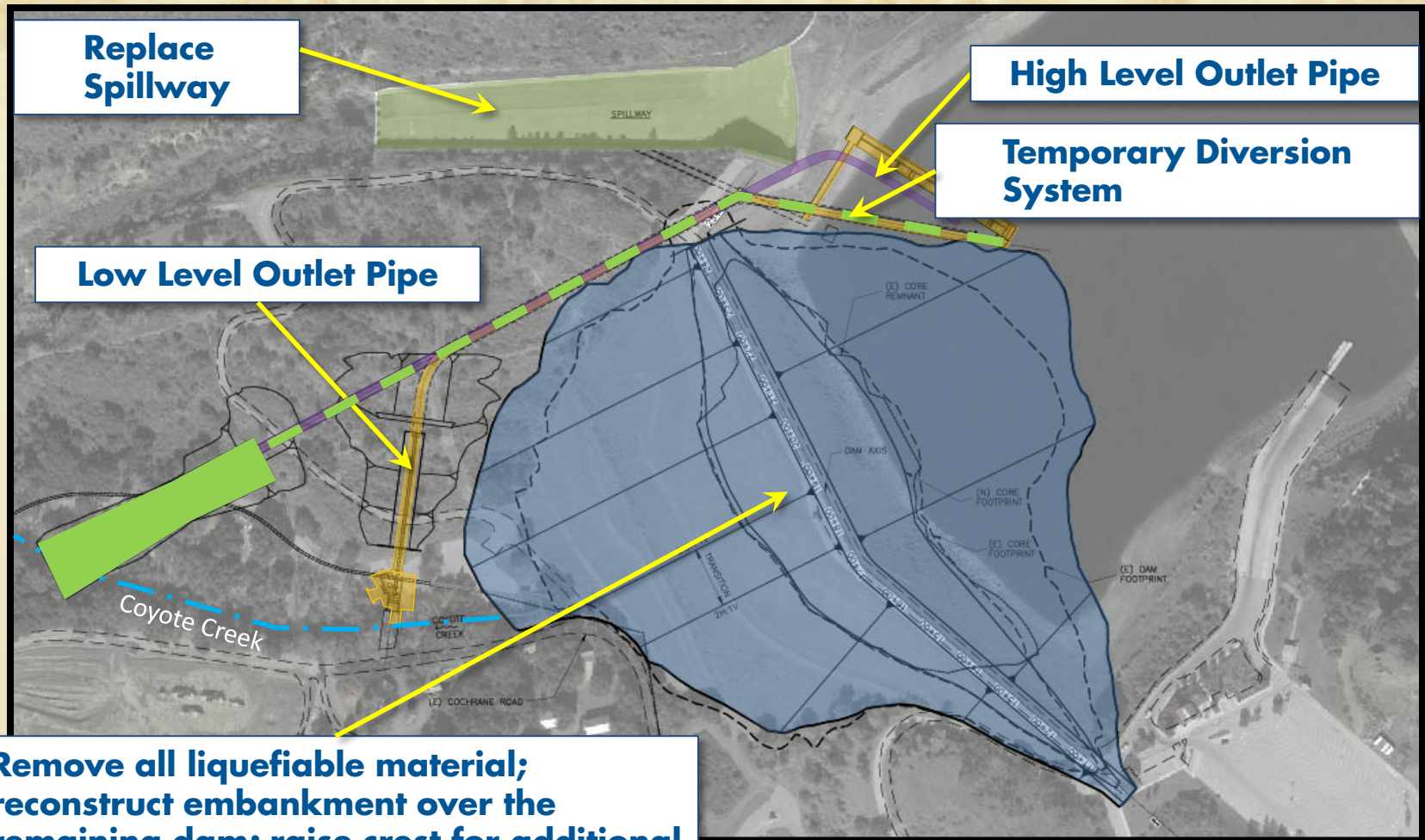


Image Source: Google Earth



# Project Components

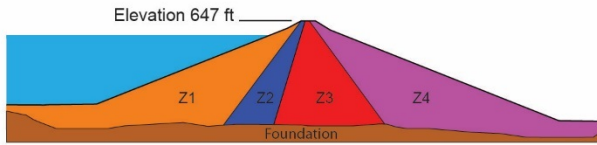


**Remove all liquefiable material;  
reconstruct embankment over the  
remaining dam; raise crest for additional  
freeboard**

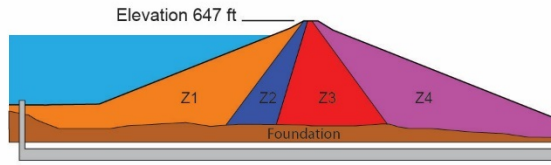


# Embankment Construction Sequence

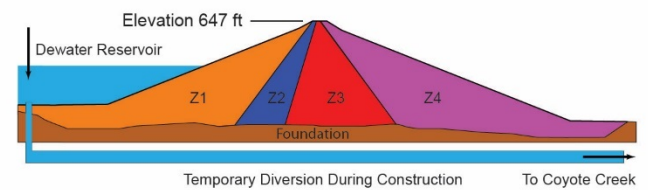
Existing Dam



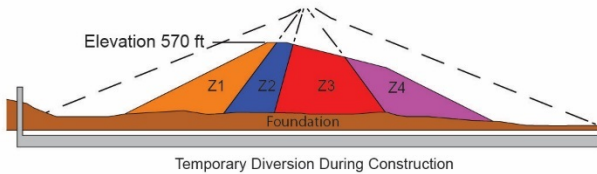
Year 1 and 2  
Diversion System Construction



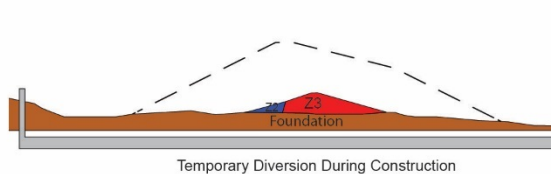
Spring Year 3  
Existing Dam Dewatering



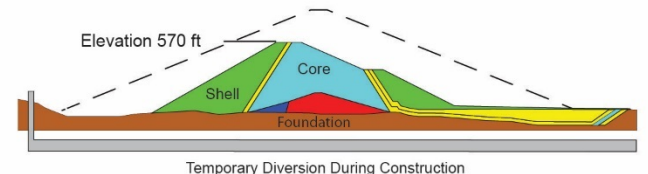
Year 3  
April – October  
Stage 1 Excavation



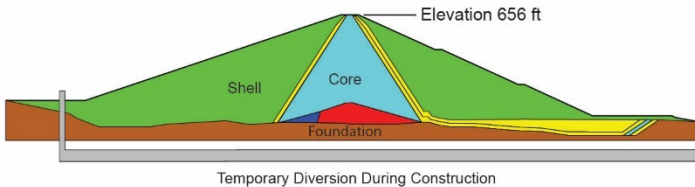
Year 4  
April – June  
Stage 2 Excavation



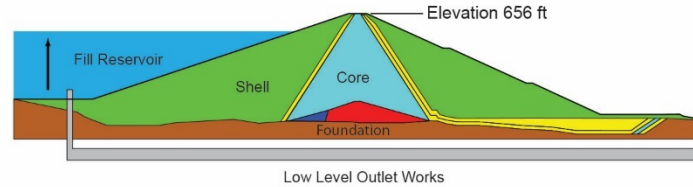
Year 4  
July – October  
Stage 2 Fill



Year 5  
April – October  
Stage 3 Fill



Year 5 →  
Final Configuration



**LEGEND**

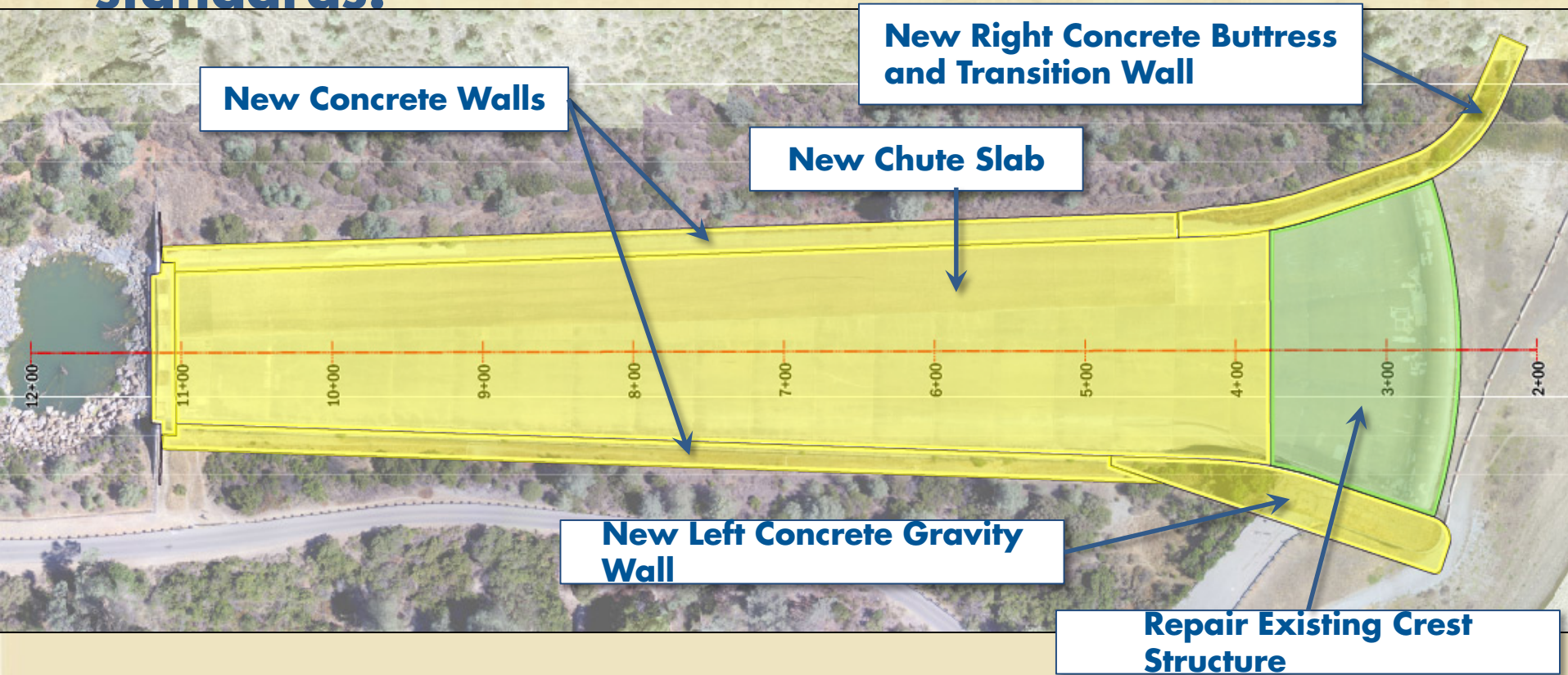
- Z1 Existing Upstream Shell
- Z2 Existing Upstream Core
- Z3 Existing Downstream Core
- Z4 Existing Downstream Shell

**NOTES:**  
Z1 and Z4 are both Rockfill/Gravel Fill  
Z2 and Z3 are both Compacted Clay Core



# Spillway Replacement

Spillway replacement to meet current design standards:



# 60% Design DSOD Request



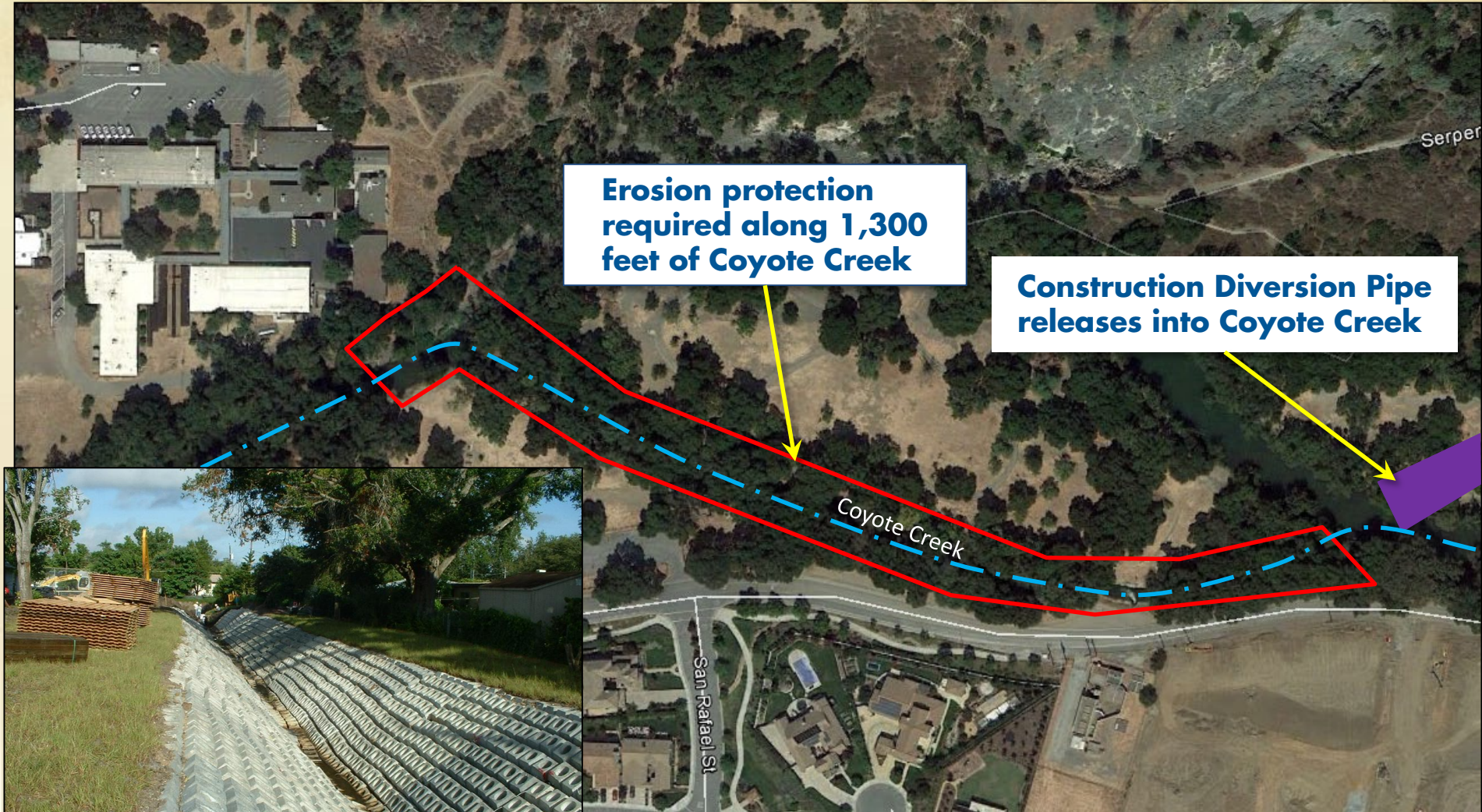




# Key Project Impacts



# Coyote Creek Modifications – Erosion Protection



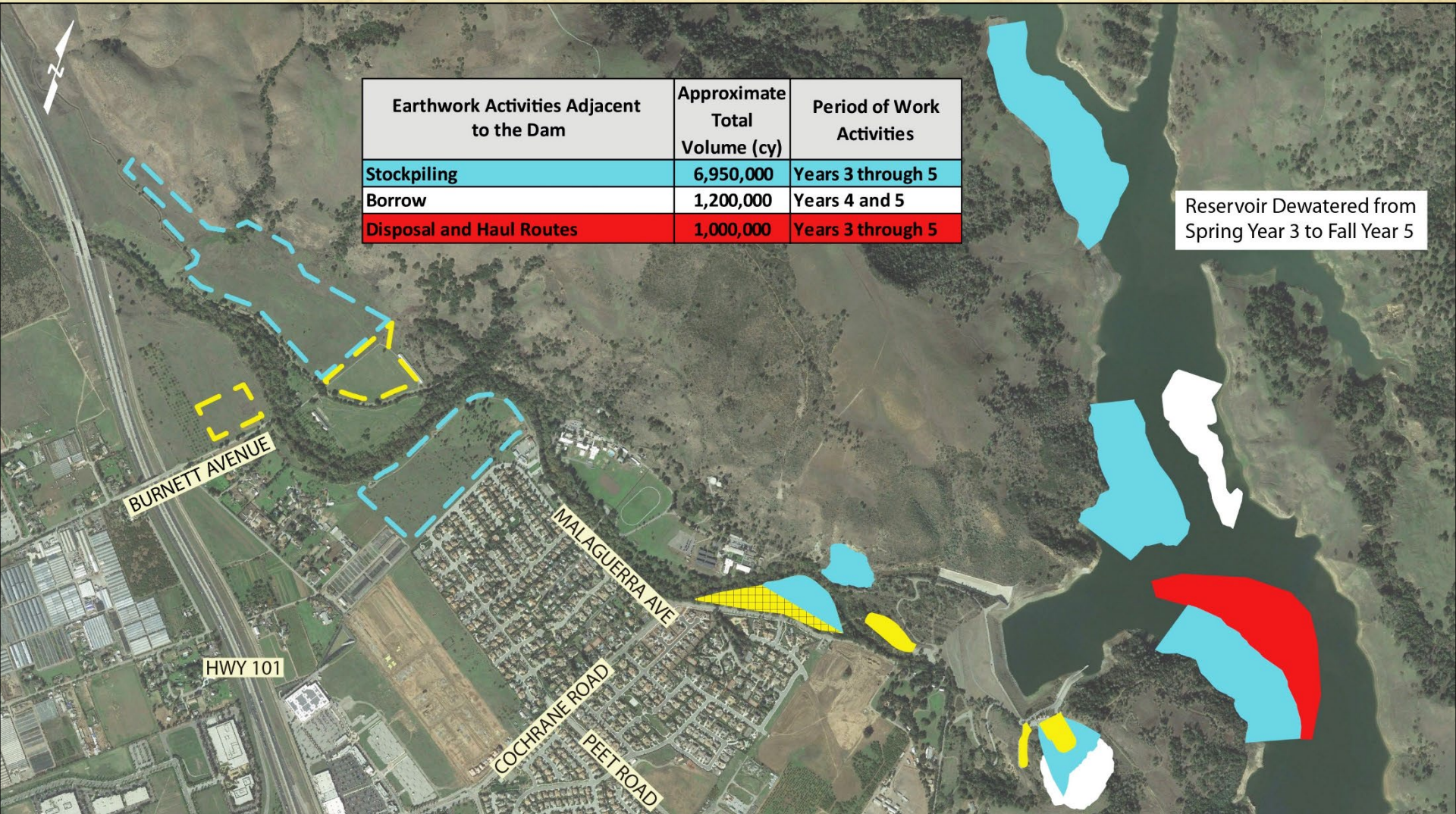


# Project Impacts - Overview



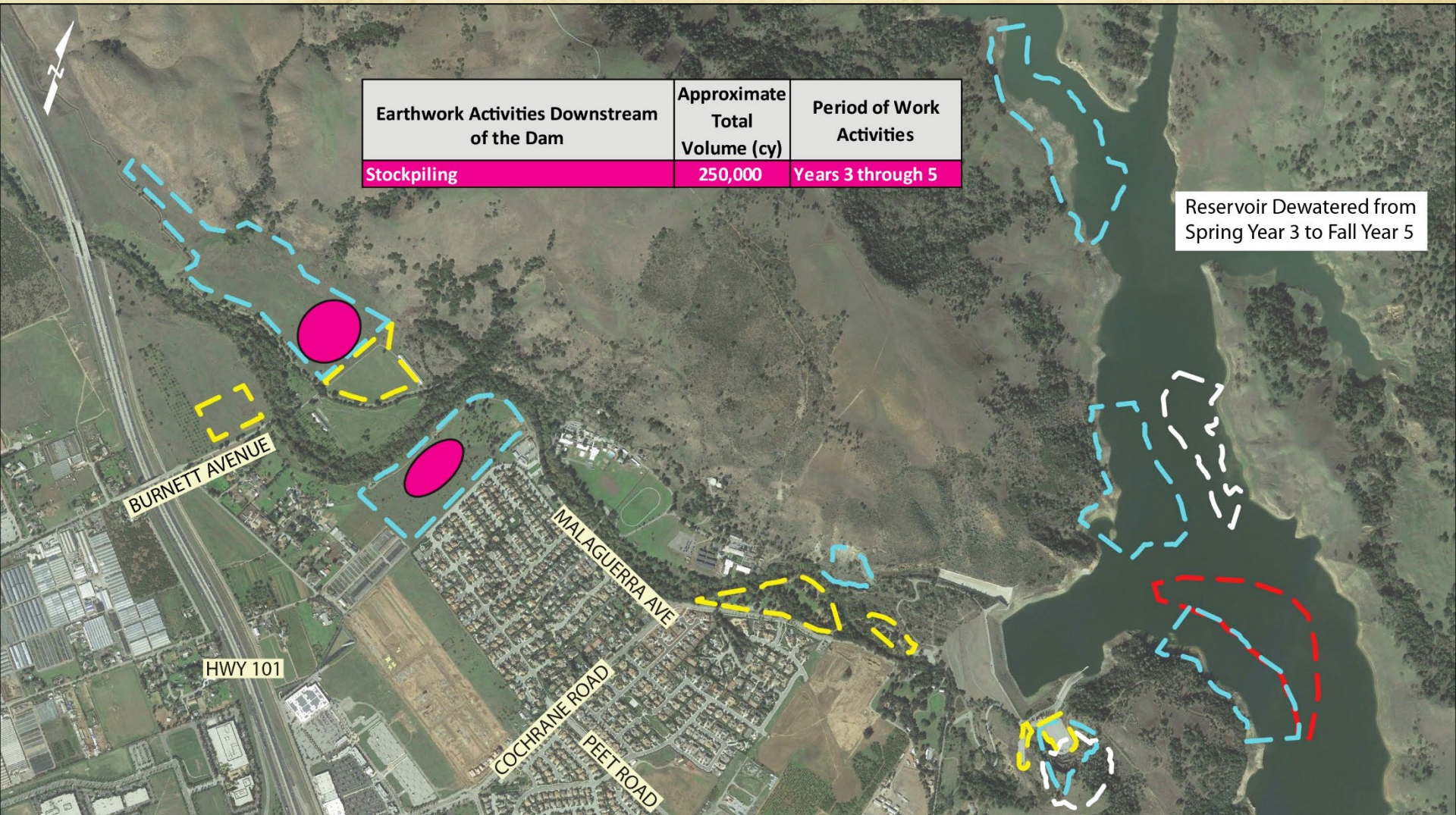


# Project Impacts – Adjacent to/in Reservoir



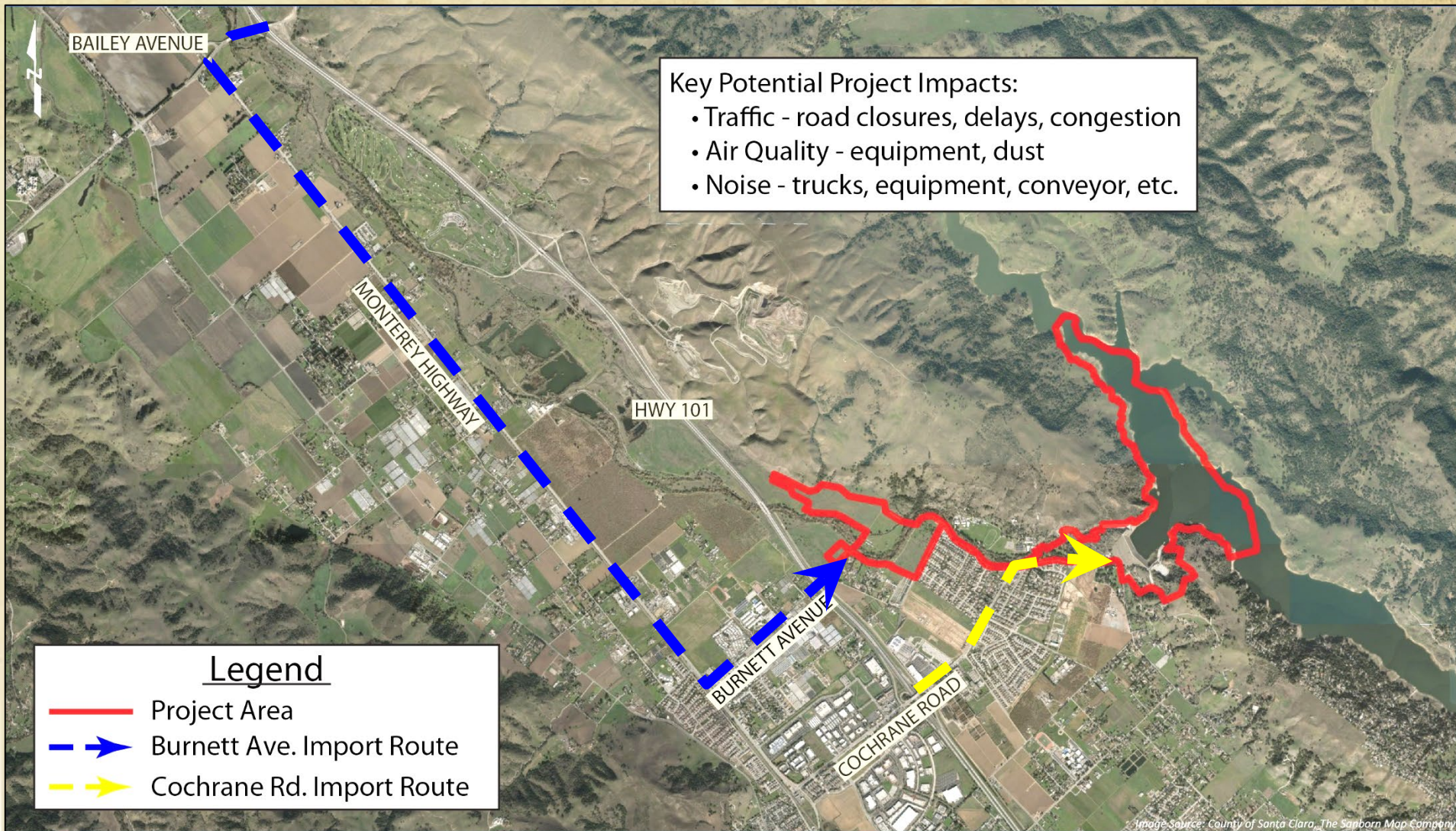


# Project Impacts – Downstream



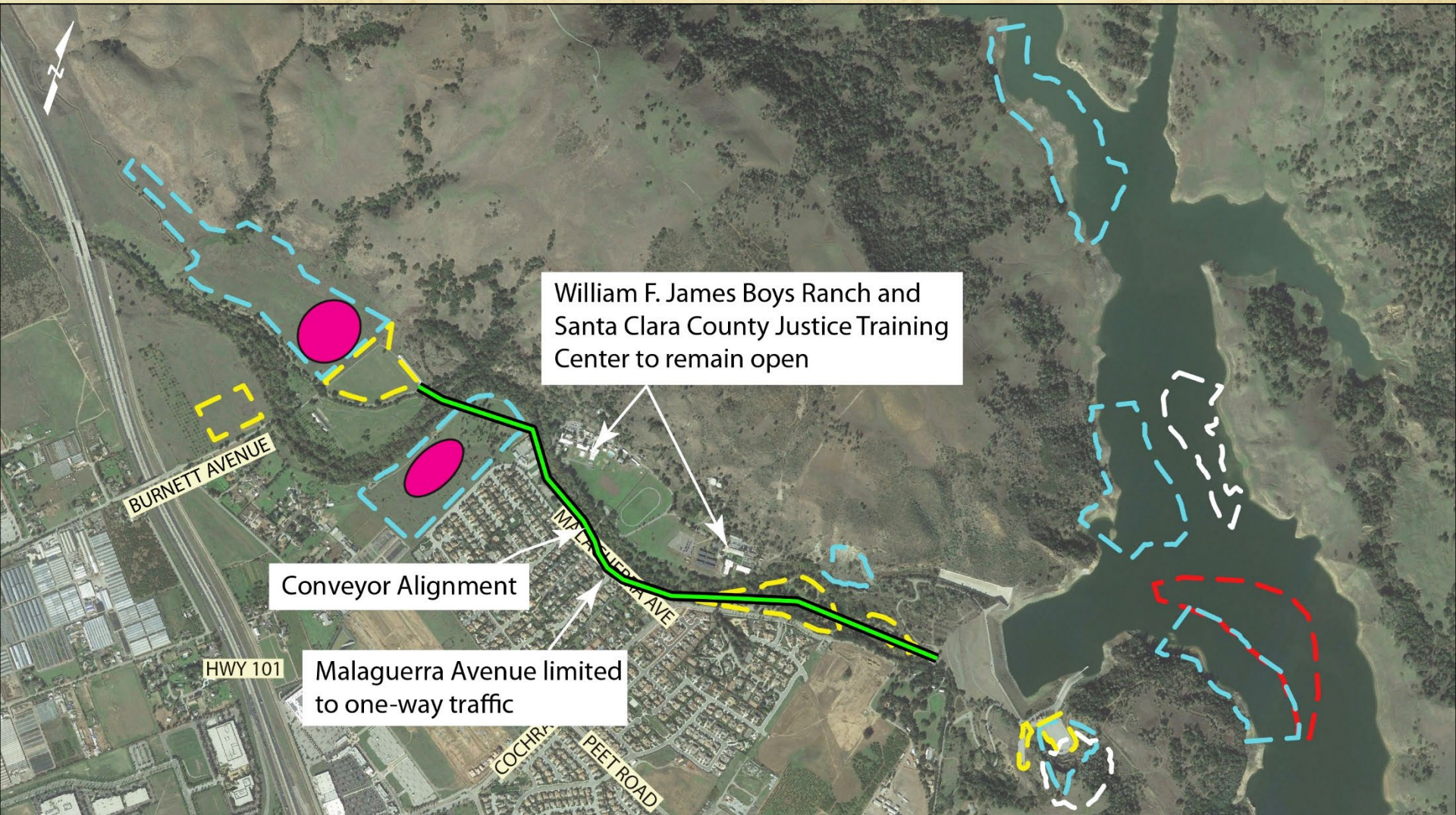


# Import Materials Project Impacts





# Project Impacts – Conveyor



William F. James Boys Ranch and Santa Clara County Justice Training Center to remain open

Conveyor Alignment

Malaguerra Avenue limited to one-way traffic

BURNETT AVENUE

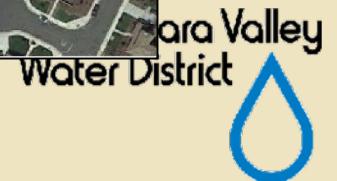
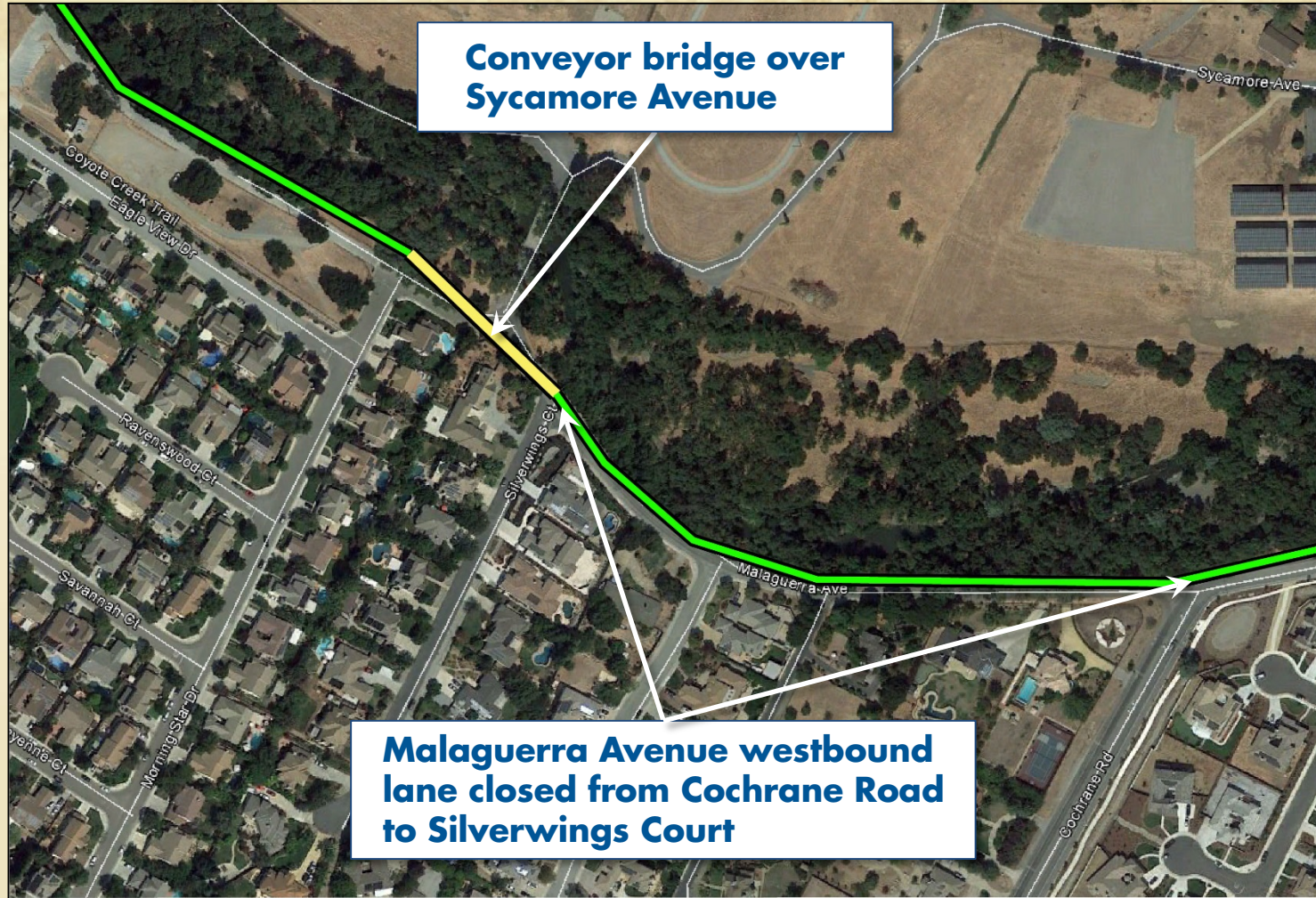
HWY 101

MALAGUERRA AVE  
COCHRAN  
PEET ROAD





# Conveyor Impacts to Malaguerra Avenue



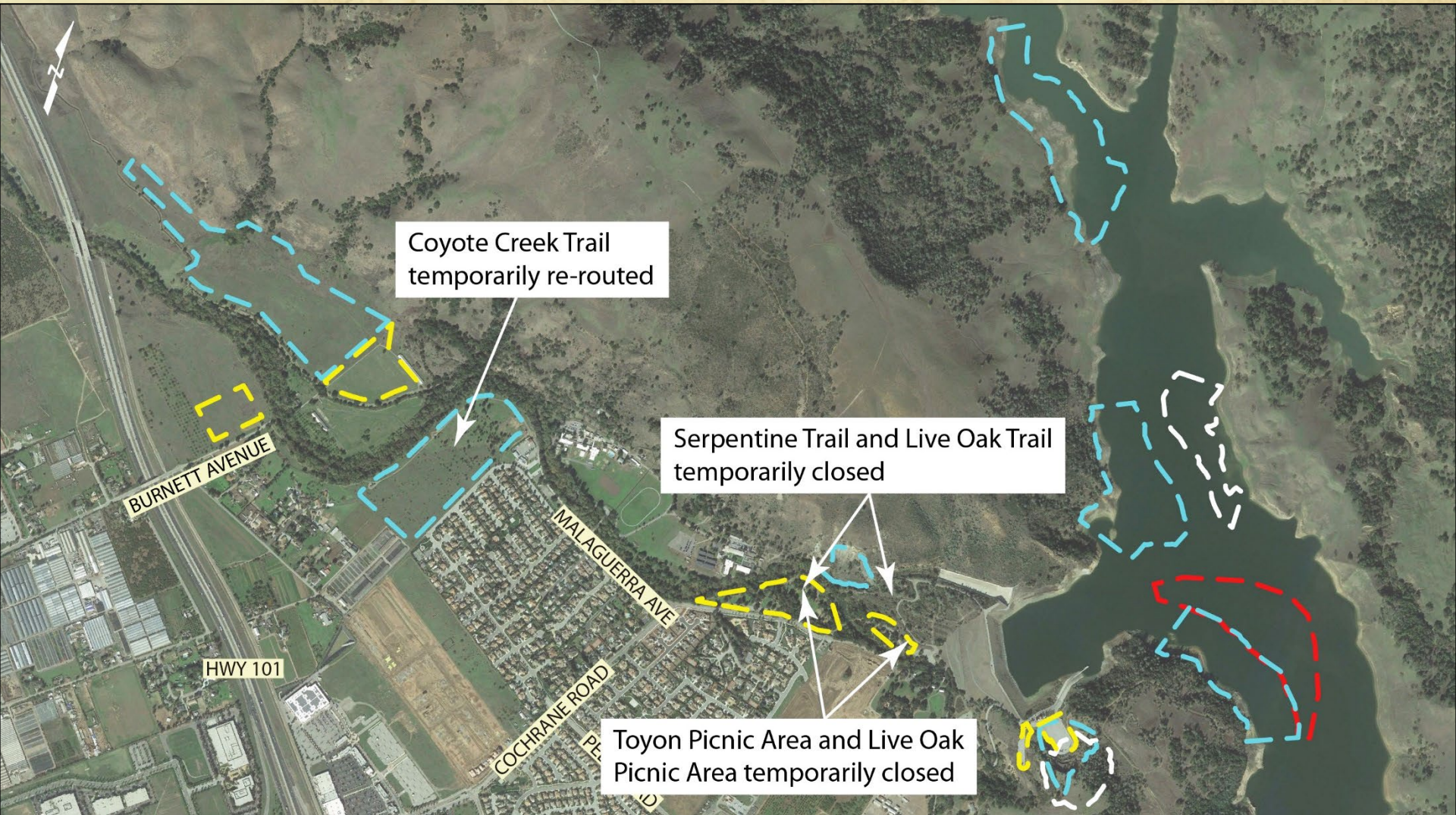


# Typical Conveyor





# Project Impacts – Trails



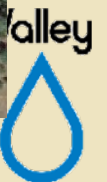


# Cochrane Road Closure During Construction





# Post-Construction Roads and Parking



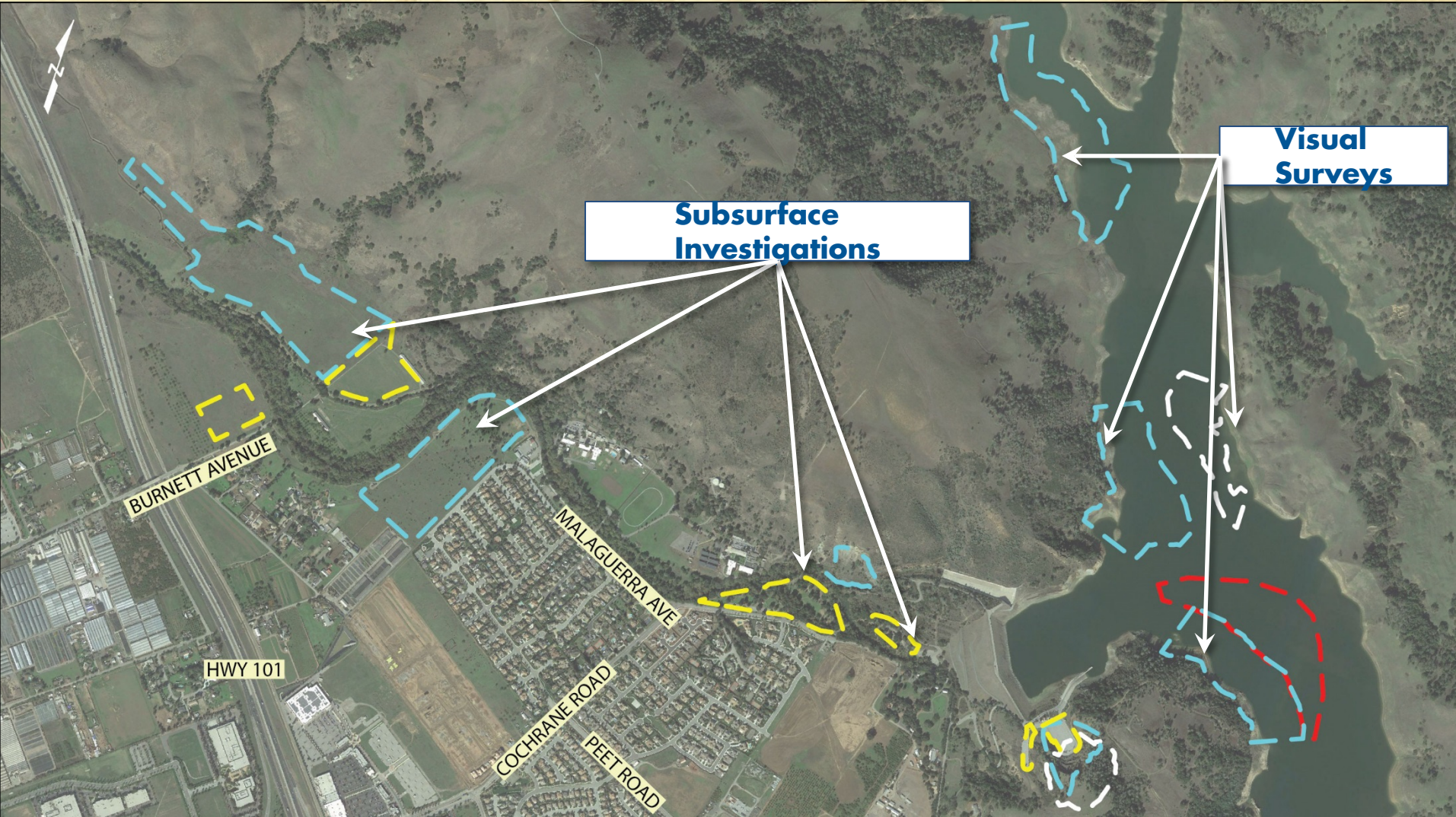




# Ongoing Investigations and CEQA Studies

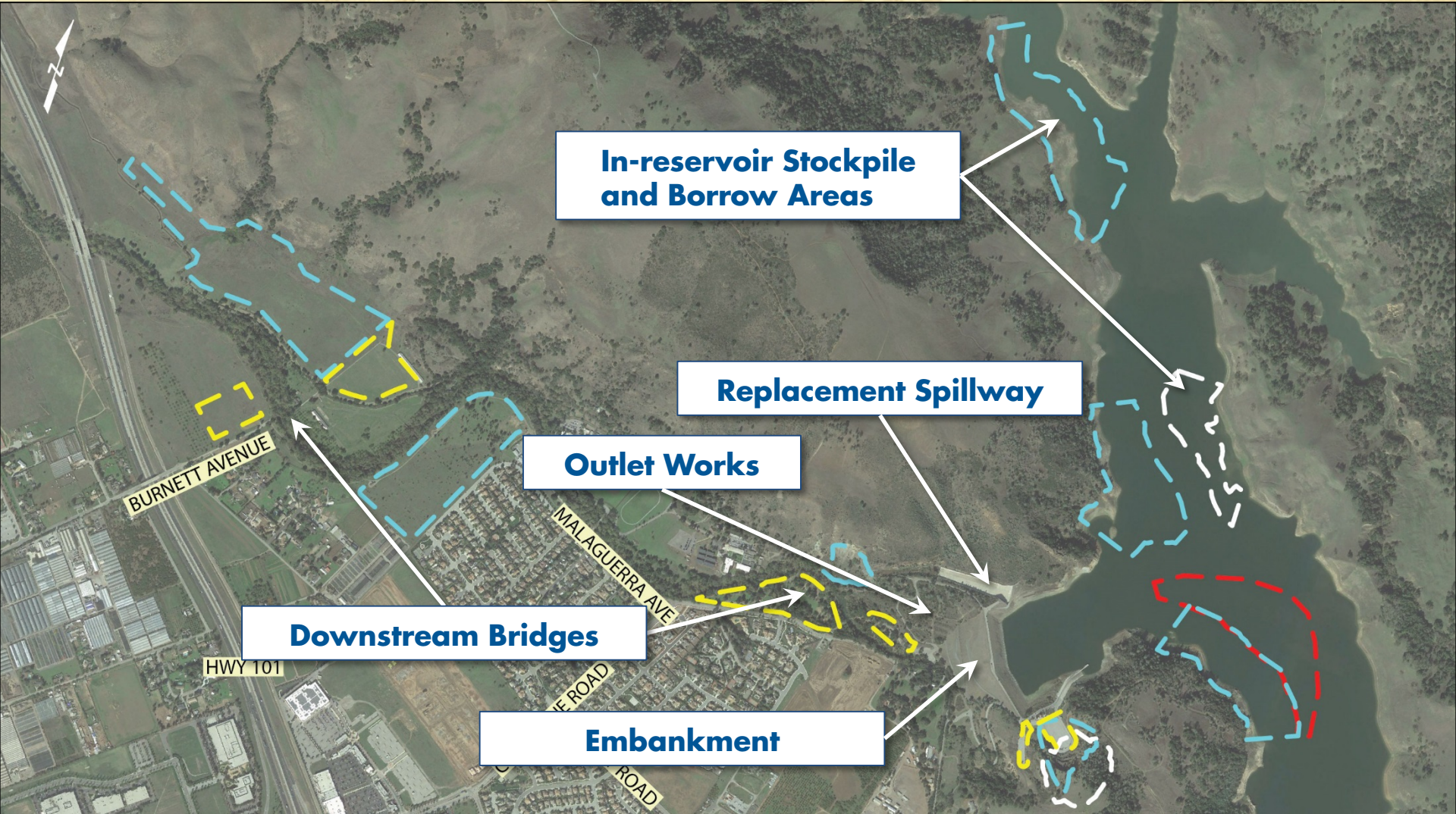


# Upcoming Archeological Investigations



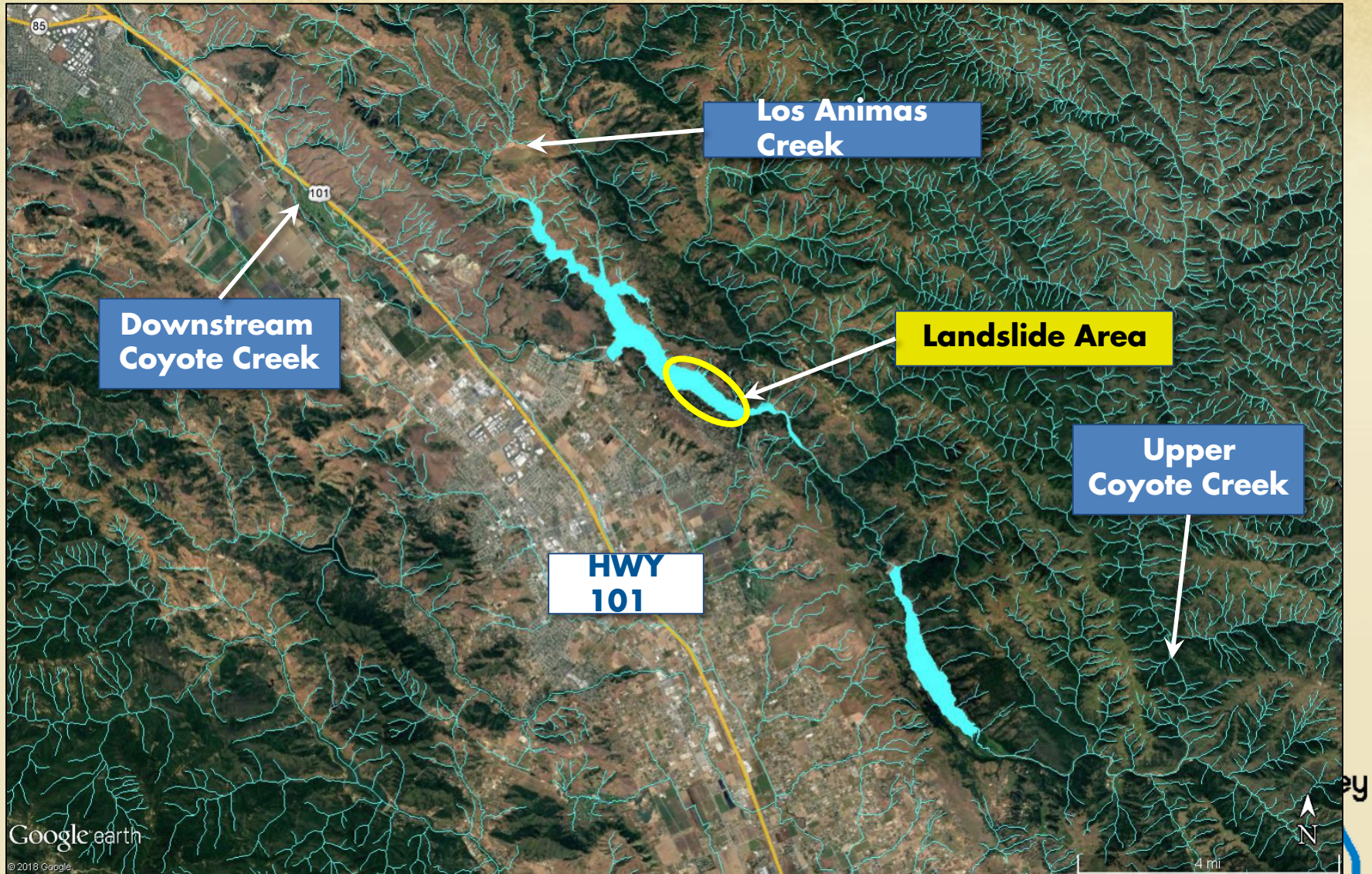


# Upcoming Geotechnical Investigations





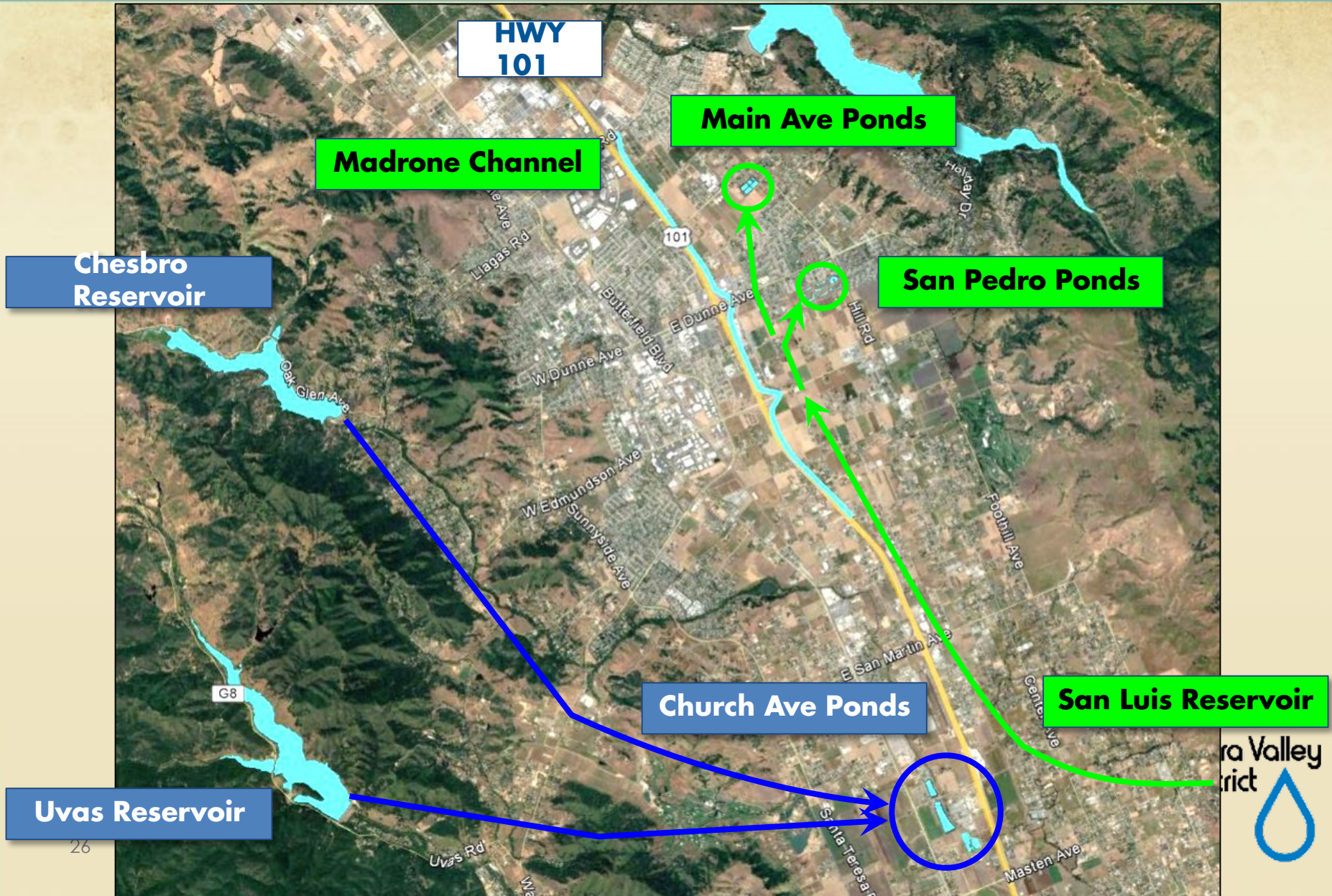
# Fish Habitat Assessments and Reservoir Landslide Risks



Google earth



# Morgan Hill Water Supply During Construction



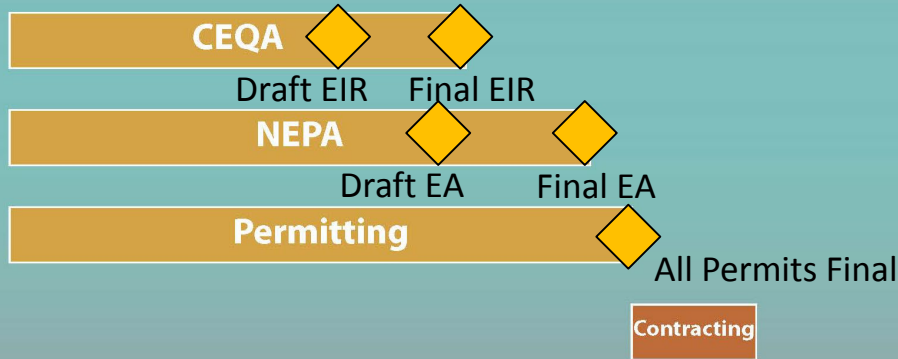


# Revised CEQA/NEPA/Permitting Timeline

## Calendar year



← 2013 Design



Contracting

Construction





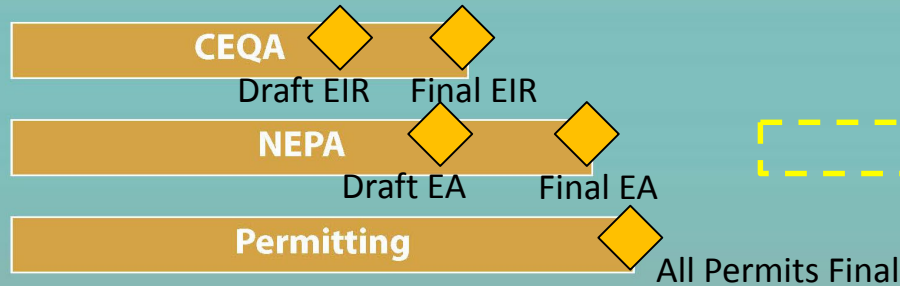
# Revised CEQA/NEPA/Permitting Timeline

## Calendar year

2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027

WE ARE HERE

← 2013 Design



Estimated HSR

Contracting

Construction





# Stay Informed

**[www.valleywater.org/anderson-dam-project](http://www.valleywater.org/anderson-dam-project)**

- ▶ **Sign up to receive project updates via email.**
- ▶ **View project reports, maps, history and other information.**

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**(408) 630-2879**





