



# Valley Water

Clean Water • Healthy Environment • Flood Protection

**Thank you for joining us. We will  
be starting our meeting shortly.**

# Zoom Webinar Instructions

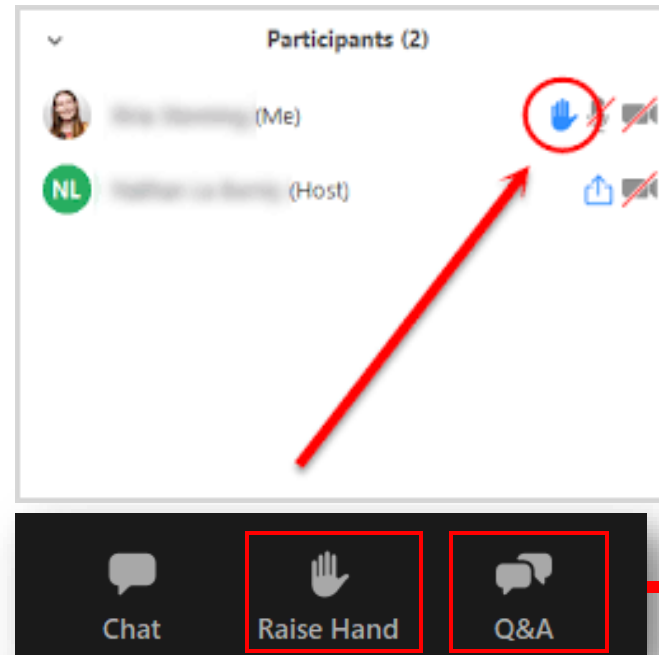
## Join Computer Audio



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- Check your invite/email for call-in number and meeting ID
- Dial call-in number: **1-669-900-9128**
- Enter webinar ID then #.

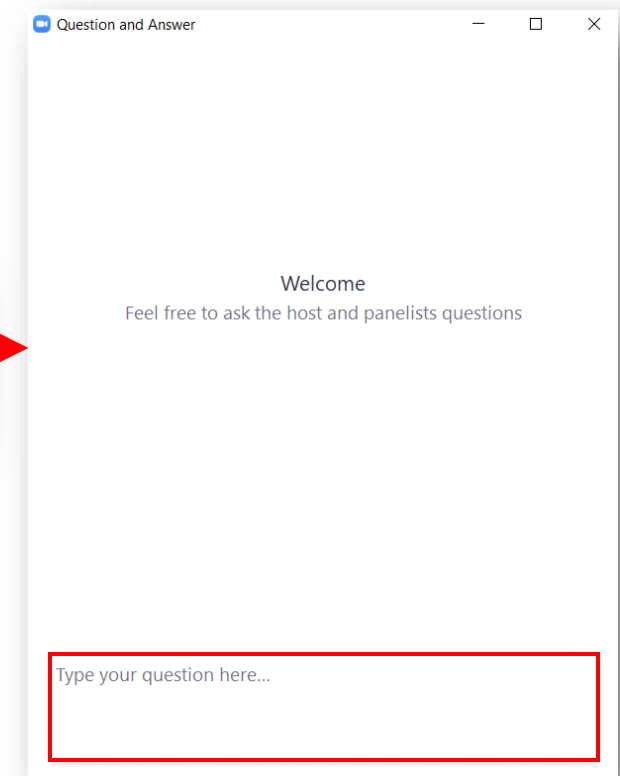
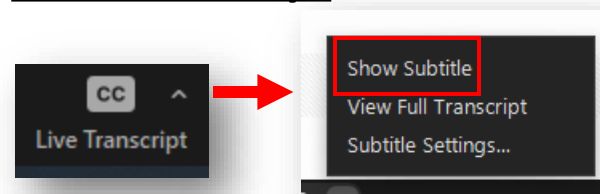
## Ask a Question



*After we enable your mic,  
you have to unmute yourself before  
you verbally ask your question.*

*If only on phone:  
Press \*9 to raise your hand if  
Press \*6 to mute/unmute yourself.*

## Enable Closed Captions/ Live Transcript





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# Anderson Dam Seismic Retrofit Project

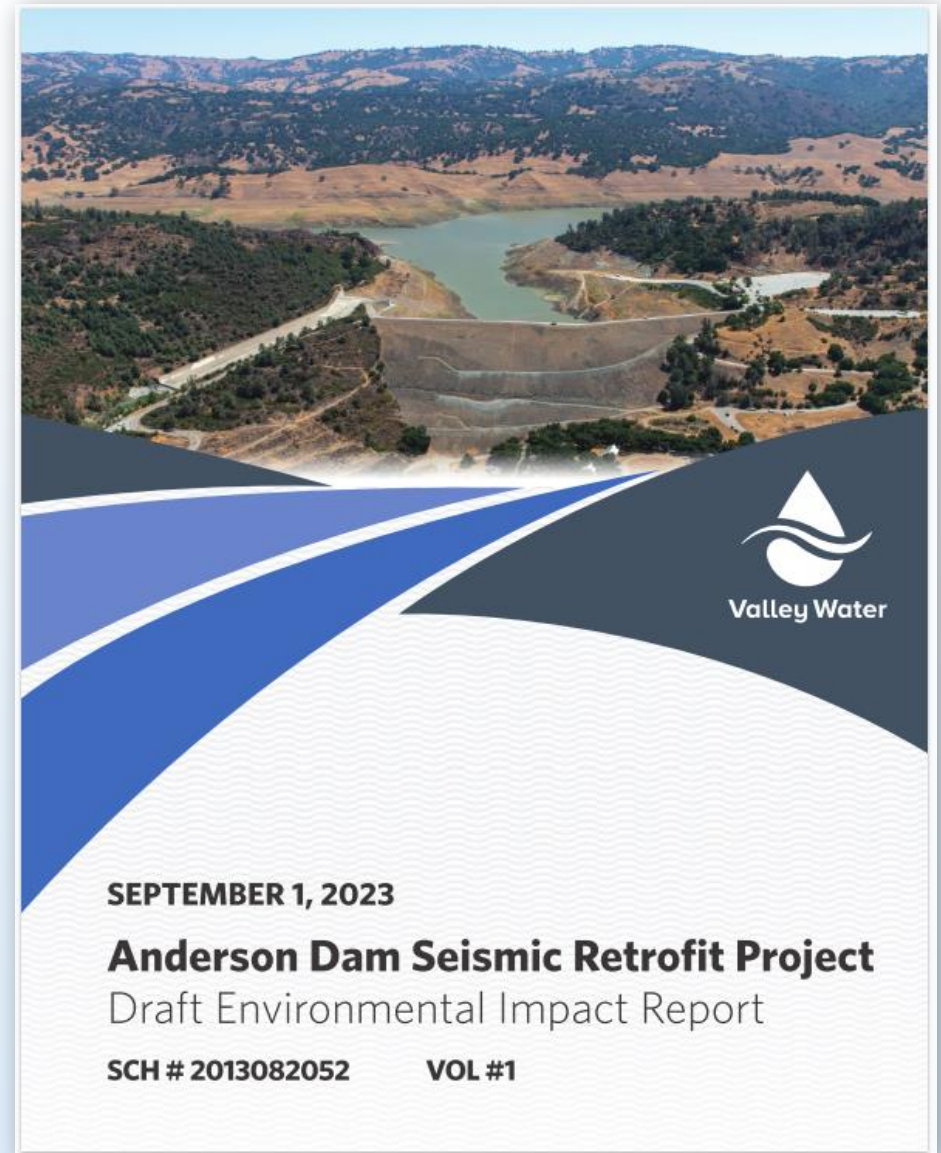
Draft Environmental Impact Report

October 4, 2023

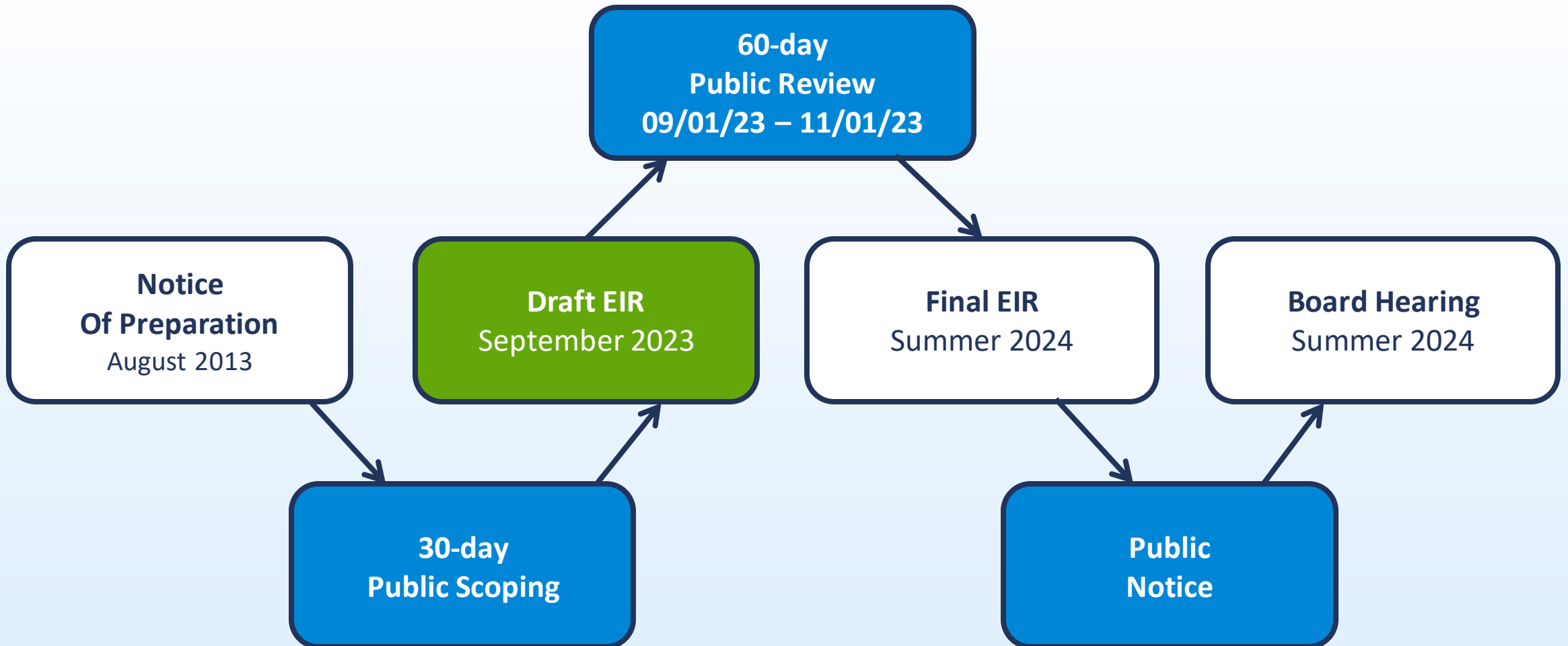


# Agenda

- **CEQA Process and Schedule**
- **Project Objectives**
- **ADSRP Overview**
  - **ADSRP and FAHCE Overlap**
  - **FERC Order Compliance Project (FOCP)**
  - **Seismic Retrofit**
  - **Conservation Measures**
  - **Alternatives**
- **Summary of Findings**
  - **Significant and Unavoidable Impacts**
  - **Beneficial Impacts**
- **Closing**

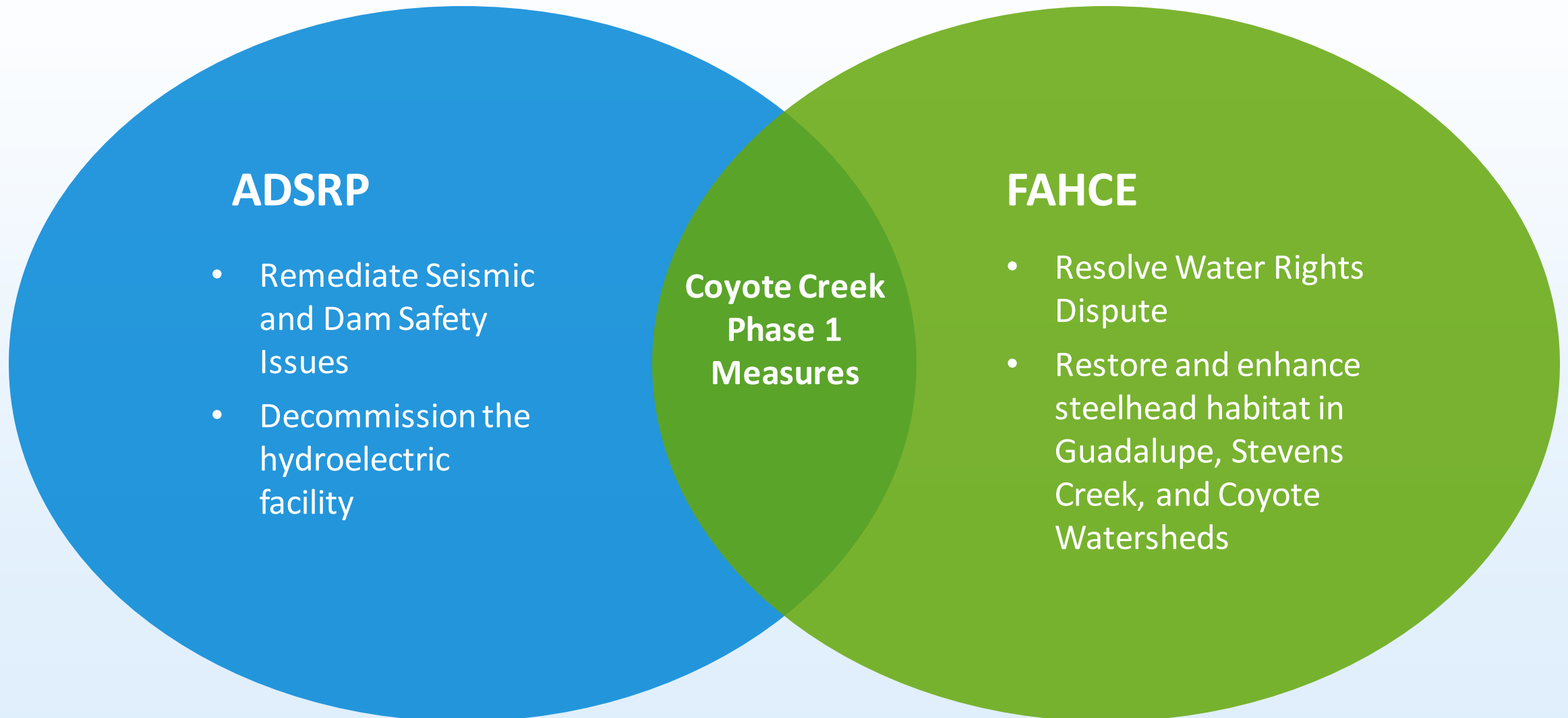


# CEQA Process and Schedule



# ADSRP and FAHCE Overlap

Anderson Dam Seismic Retrofit Project (ADSRP) and Fish Aquatic Habitat Collaborative Effort (FAHCE)



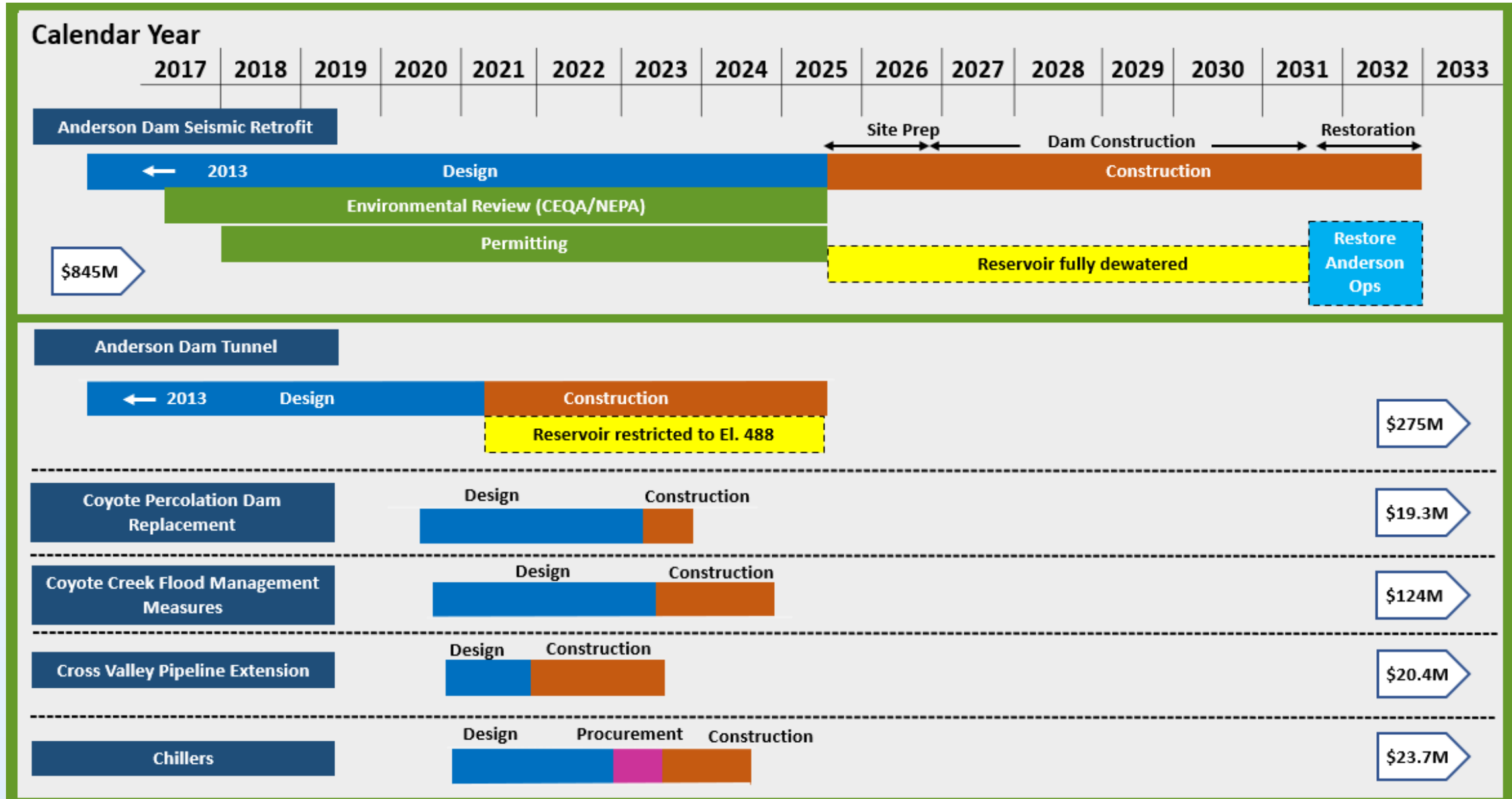
# Project Objectives

1. Seismically retrofit and maintain Anderson Dam so that Valley Water may continue to operate Anderson Reservoir at capacity
2. Improve cost efficiency of dam operations by decommissioning the hydroelectric facility
3. Avoid and minimize environmental effects of construction and operations





# Project Overview



# Anderson Dam Tunnel Project Components

Anderson Dam

📍 Coyote Creek

📍 HLOW Drop Shaft

📍 Diversion Tunnel Portal

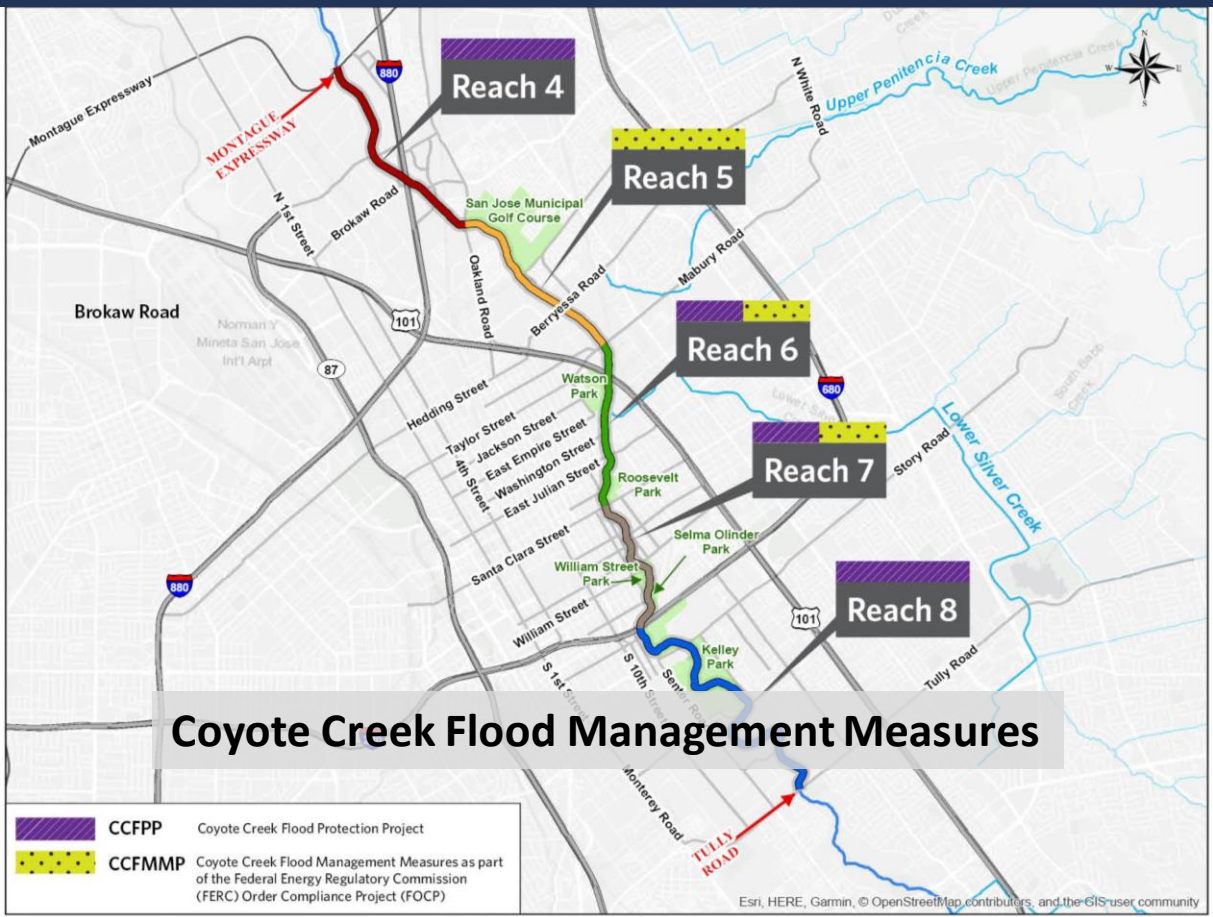
📍 Outlet Works Tunnel

➡ Lake Tap

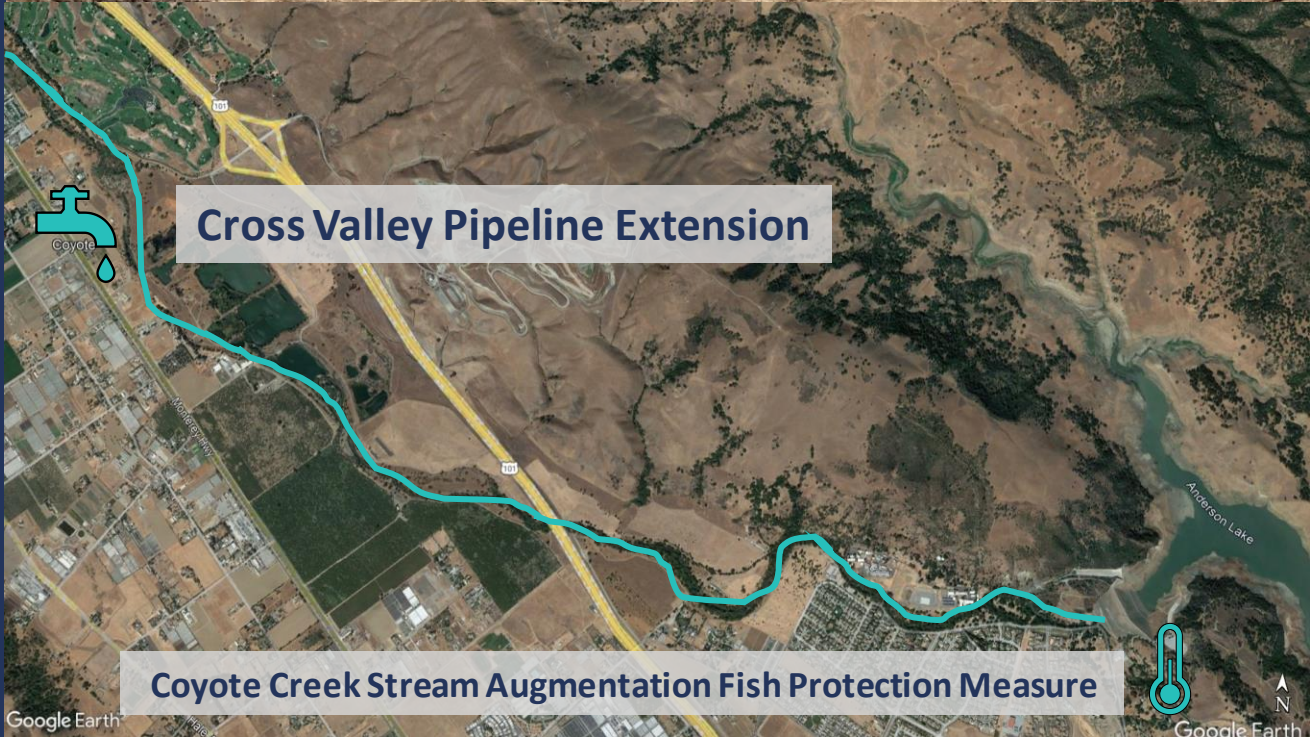




# FOCP (not part of ADSRP)



\*Received CEQA coverage through a Statutory Exemption





# Seismic Retrofit Components

1. Dam Embankment
2. Spillway
3. Temporary Diversion Systems
4. Outlet Works
5. Decommissioning of Hydroelectric Facility

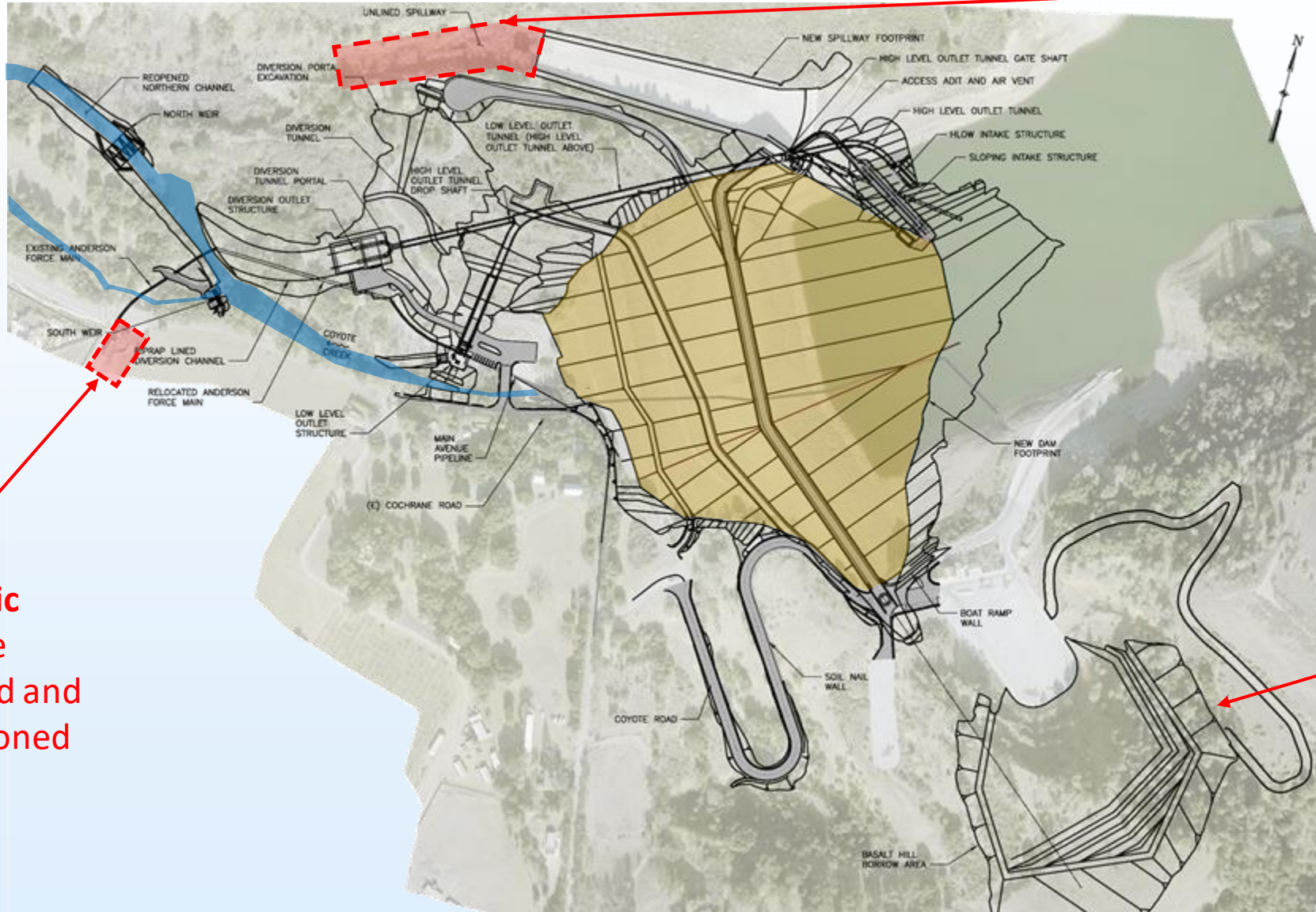




# Anderson Dam Seismic Retrofit Project

Coyote Creek  
North Channel

South Channel

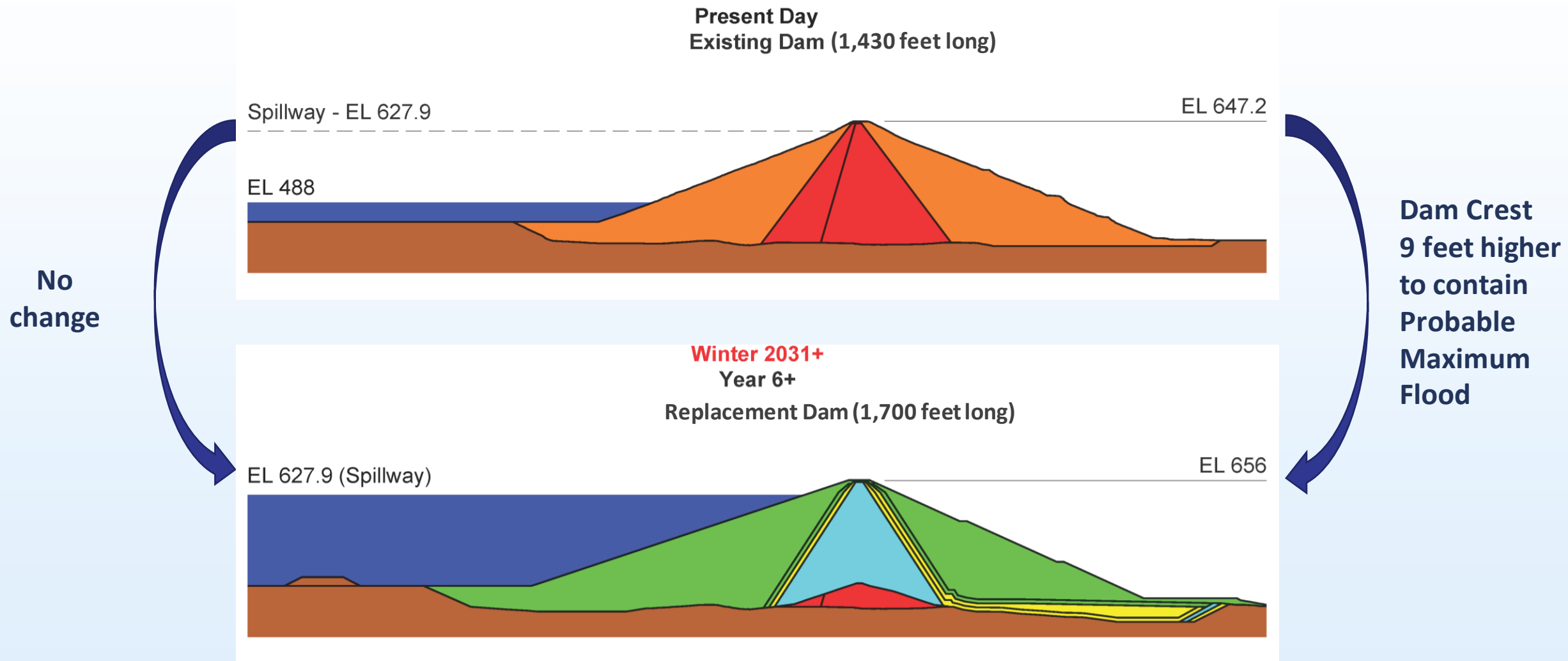


**Unlined Spillway**  
Extension of  
concrete over  
currently unlined  
channel

**Hydroelectric  
Facility** to be  
disconnected and  
decommissioned

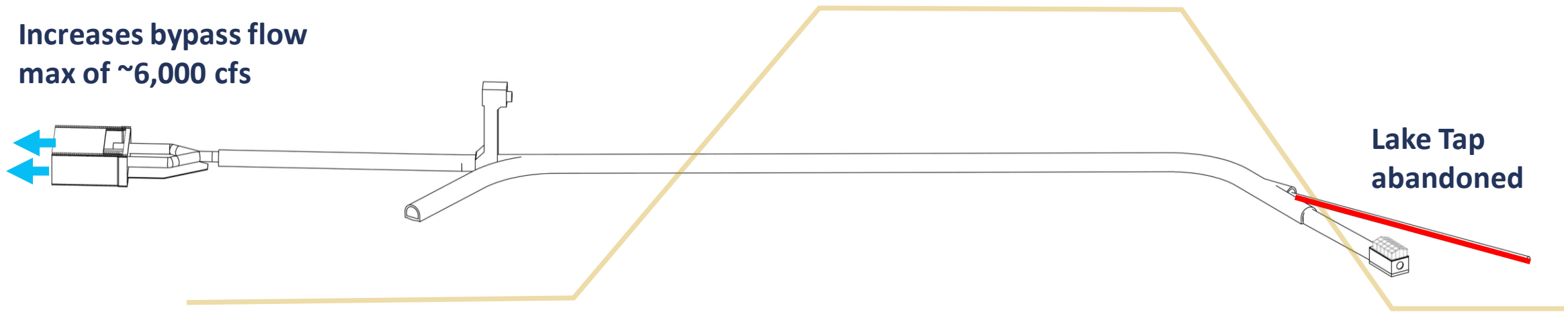
**Basalt Hill  
Borrow Area**  
Existing stockpile  
and future  
borrow area

# Dam Embankment



# Construction Sequence – Stage 2 Diversion

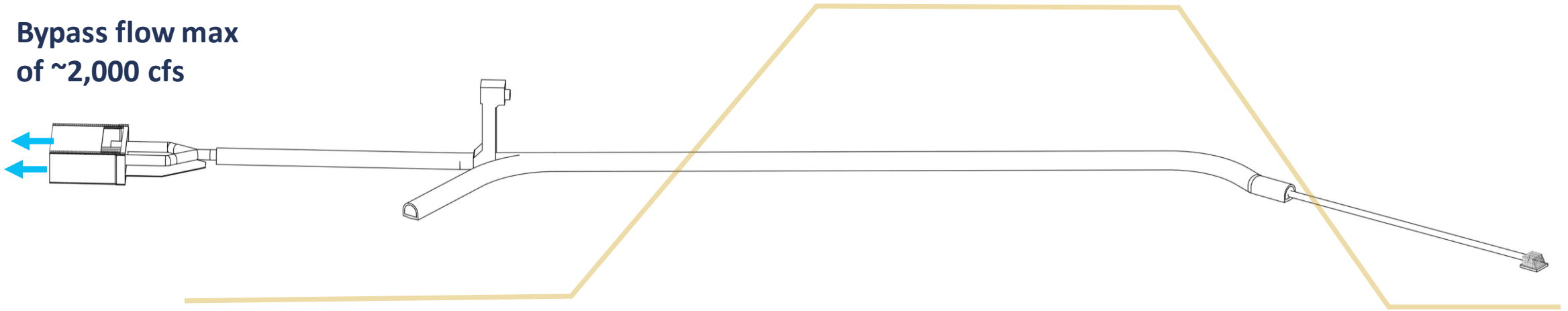
(End of ADSRP Year 2 through Year 6)



# Construction Sequence – Stage 1 Diversion

(Beginning of ADSRP Year 2)

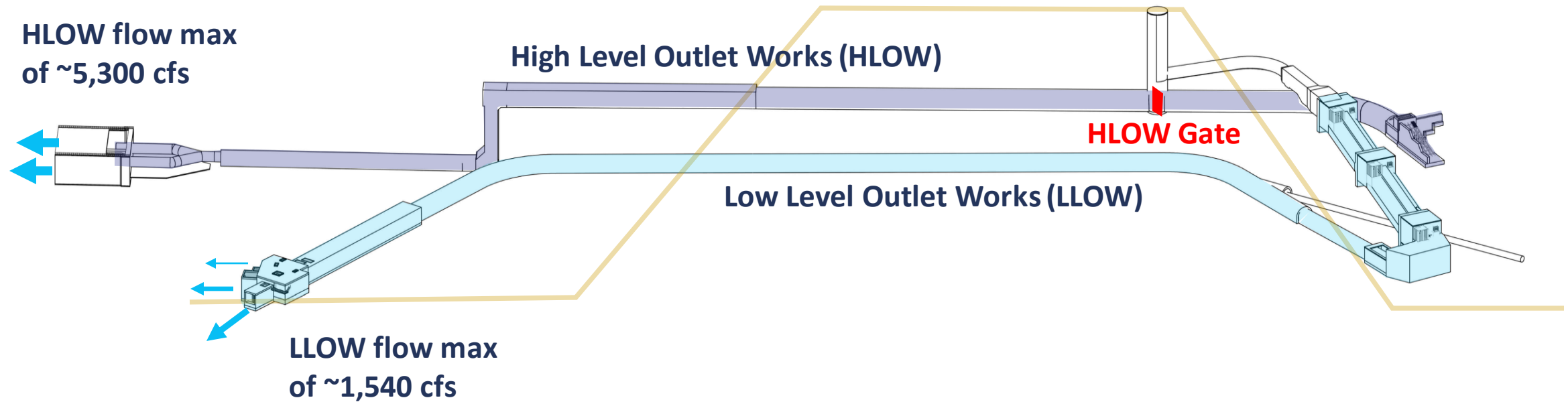
Bypass flow max  
of ~2,000 cfs





# Construction Sequence – Completed Outlet Works

(Operational end of ADSRP Year 6)



# Decommissioning of Hydroelectric Facility

- Remove 2 turbines
- Remove above and below ground mechanical and electrical components
- Coordinate with PG&E





# Conservation Measure Components

1. **Ogier Ponds Conservation Measure**
2. **Phase 2 Coyote Percolation Dam Conservation Measure**
3. **North Channel Extension**
4. **Maintenance Activities at the Live Oak Restoration Reach**
5. **Sediment Augmentation Program**





# Conservation Measures Locations





# Conservation Measures Locations



# ADSRP Construction Schedule

[illegible]



# Project Components as Analyzed in the EIR

1. Seismic Retrofit Components
2. Conservation Measure Components
3. Construction Monitoring
4. Post-Construction Anderson Dam Facilities Operations and Maintenance
5. Post-Construction Conservation Measure Operations and Maintenance
6. Post-Construction Project and FAHCE Adaptive Management Program





# Alternatives

1. No Project Alternative
2. FAHCE-Plus Alternative
3. Increased Dredge Alternative
4. Ogier Ponds Alternative





# Summary of Findings - Significant and Unavoidable Impacts

Resource Topic	Impact
Aesthetic	Tree removal along Coyote Creek, Live Oak Picnic Area, Basalt Hill Borrow Area, and other County owned lands
Air Quality	Construction equipment and duration of the construction activities
Biological Resources – Terrestrial Resources	Construction activities to pallid bat habitats
Hydrology	Potential to discharge large volumes of sediments following storms of a certain size while the reservoir is dewatered
Water Quality	Construction activities including the dewatering of the reservoir and blasting at Basalt Hill Borrow Area
Noise	Construction equipment and duration of the construction activities

# Summary of Findings – Beneficial Impacts

Resource Topic	Impact
Hydrology	Implementing Seismic Retrofit components improves flood risk
Water Quality	Implementing the Conservation Measures improve water quality conditions and maintain water temperatures
Aquatic Biological Resources	Creating habitat for aquatic species through the implementation of the Conservation Measure components
Terrestrial Biological Resources	Creating habitat for terrestrial species through the implementation of the Conservation Measure components

# How to Comment

For inclusion of your comments in this DEIR CEQA process, please fill out the comment cards provided to you. Be sure to include your name, contact number and email address.

Your written comments can also be emailed to [ADSRPcomments@valleywater.org](mailto:ADSRPcomments@valleywater.org) or mailed to:

Tiffany Chao, Senior Environmental Planner  
Santa Clara Valley Water District  
5750 Almaden Expressway  
San Jose, CA 95118

Written public comments are due  
**by 5:00 p.m. on November 1, 2023.**



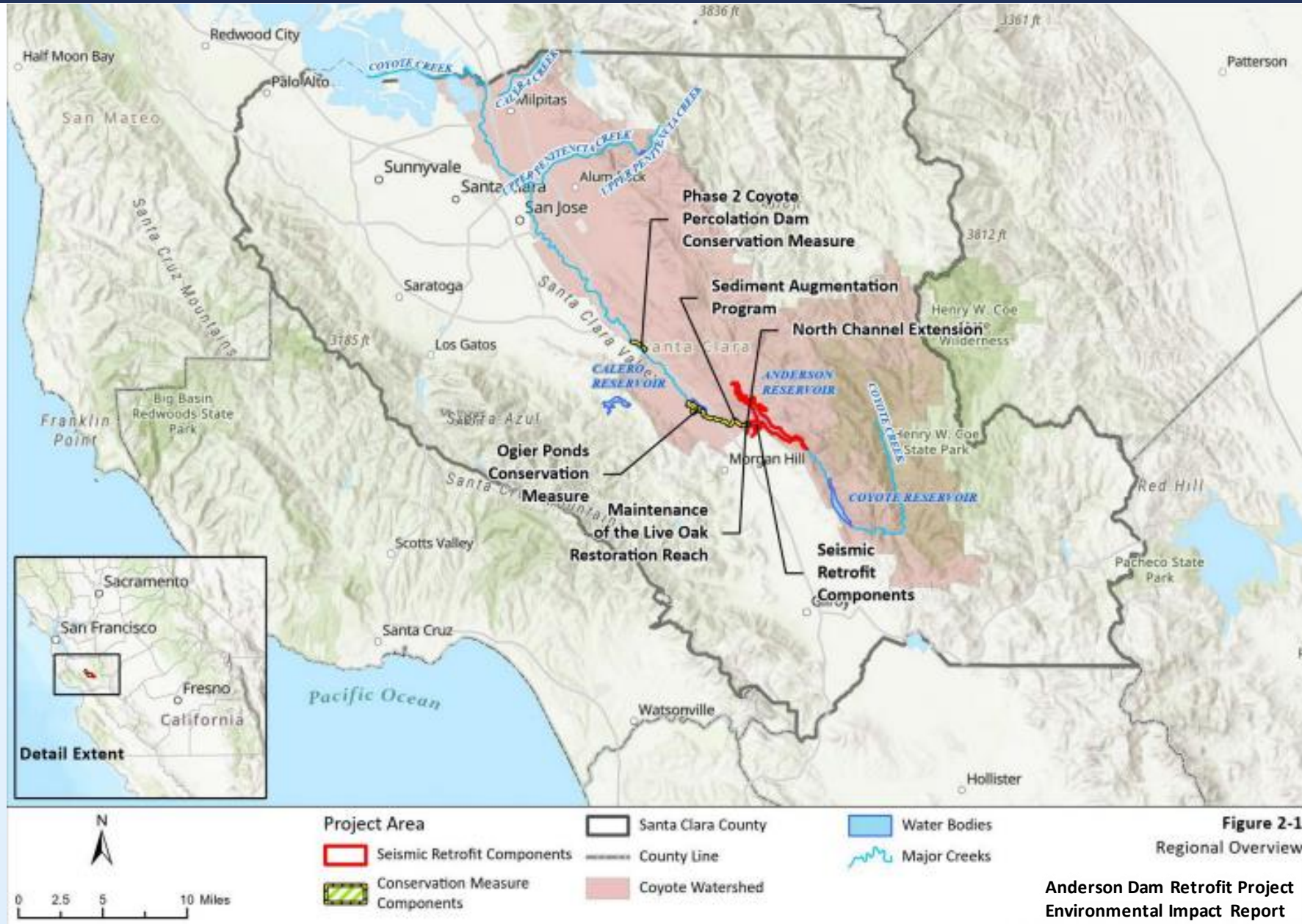


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# Project Components Locations



# ADSRP

- Seismic retrofit of dam embankment
- Construction of new higher capacity outlet tunnel and outlet works
- Replacement of concrete spillway and raising wall height 7-feet to safely discharge large storm flows
- Increase dam crest height 9-feet

Conservation  
Measures

## Anderson Dam Federal Energy Regulatory Commission Order Compliance Projects (FOCP)

Anderson  
Dam Tunnel

Coyote Creek  
Flood  
Management  
Measures

Coyote Percolation  
Dam Replacement

Cross Valley  
Pipeline Extension

Coyote Creek  
Stream  
Augmentation Fish  
Protection  
Measure



# ADTP – Diversion Outlet Structure



**Diversion Outlet Structure construction November 2022**



**Diversion Outlet Structure construction September 2023**



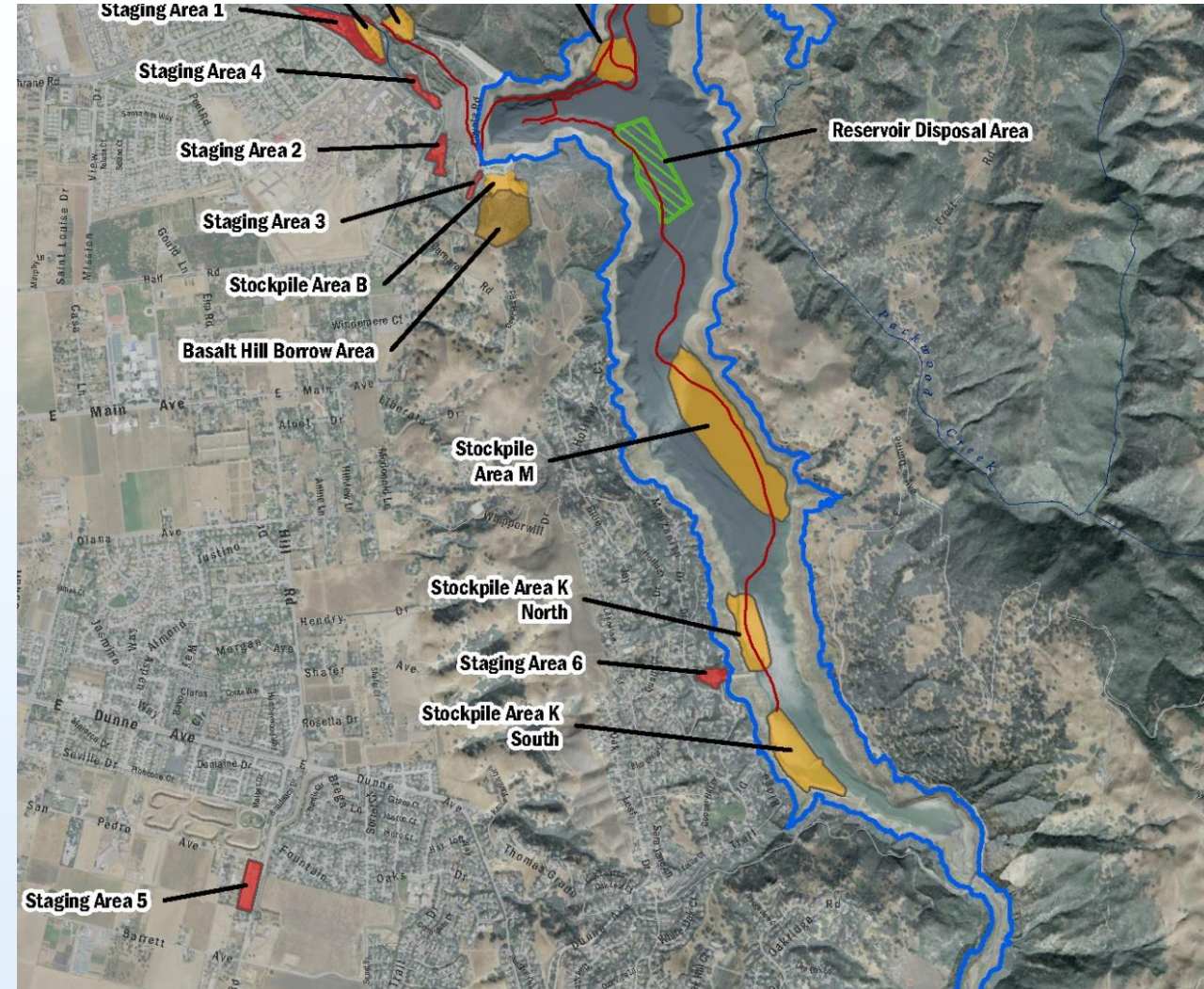
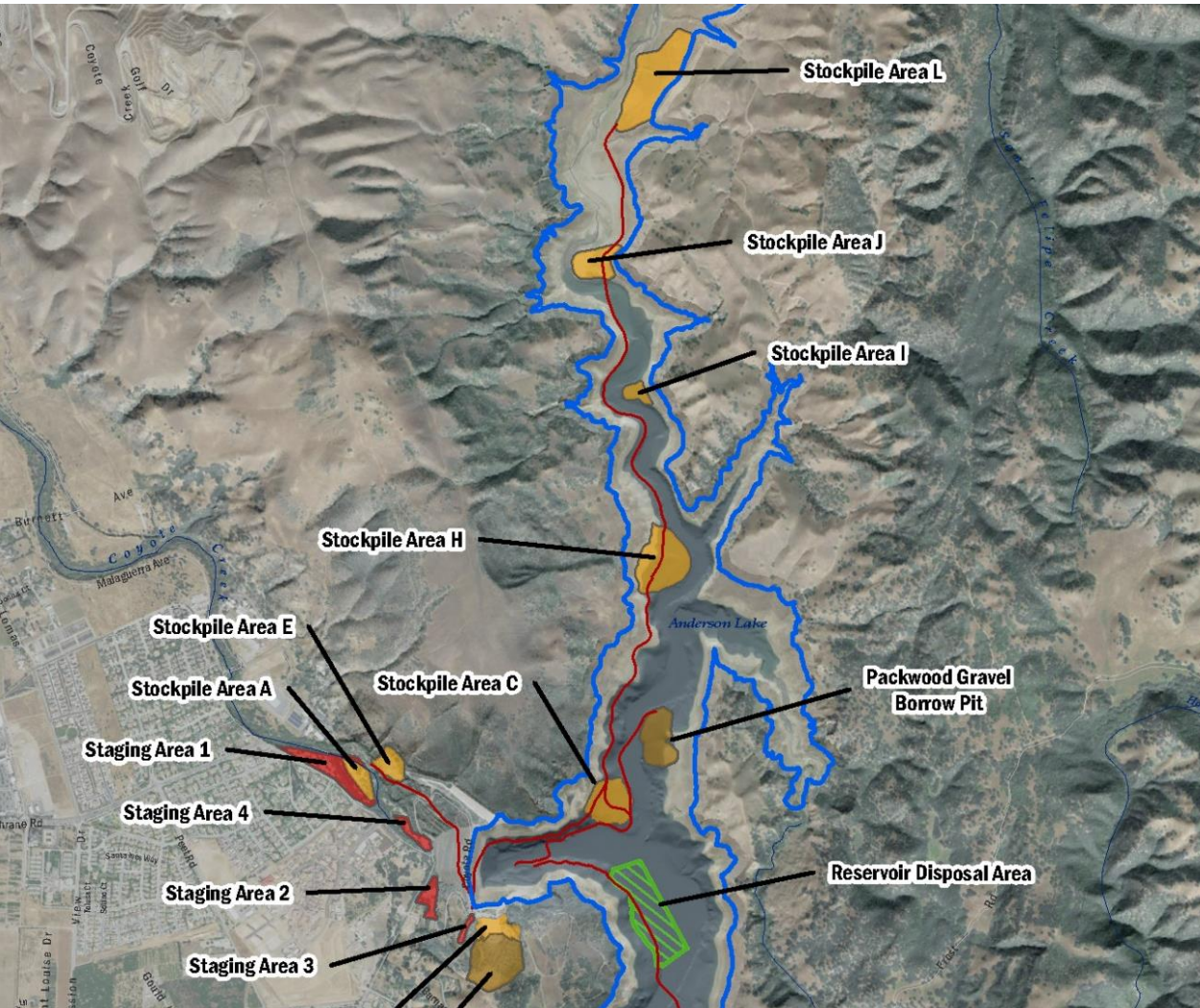
# Communication Lines Beyond Dam Excavation Footprint

- Replace telemetry lines with fiber optic cables
- Approximately 5,000 feet of trenching along Anderson Force main





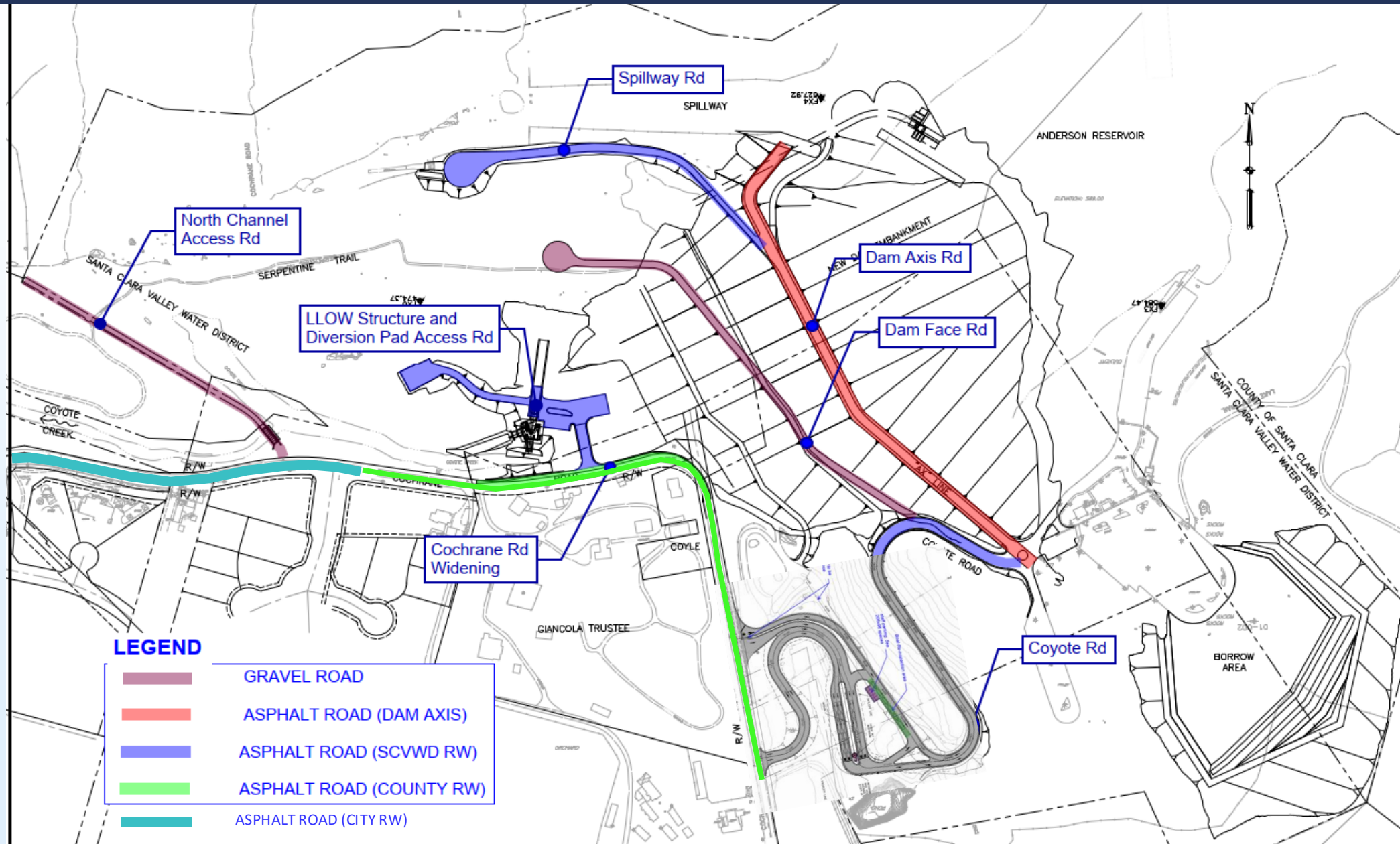
# Temporary Roadways



Approximately 6.5 miles of temporary roadways during construction



# Permanent Roadway Modifications





# Summary of Less than Significant with Mitigation Impacts

Resource Topic	Impact
Cultural Resources	Disturbance areas to known resources
Energy	Increased energy (fossil fuels) uses throughout project construction
Geology and Soils	Ground disturbing activities and drawdown reservoir on reservoir slopes
GHGs	Construction equipment and duration of the construction activities
Hazards and Hazardous Materials	Ground disturbing activities that would include excavation of serpentinite and other materials containing asbestos
Groundwater	Dewatered of reservoir, blasting activities at Basalt Hill Borrow Area

# Summary of Less than Significant with Mitigation Impacts (Continued)

Resource Topic	Impact
Water Supply	Reduced water supply from dewatered reservoir
Public Services	Temporary increases and disruption to vehicle traffic in the Project area, which could impact emergency response timing
Recreation	Park closures due to construction activities
Transportation	Increased traffic due to construction activities
Tribal Cultural Resources	Disturbance areas to known resources
Wildfire	Increased traffic and impacts on emergency response



# QUESTIONS

