



Valley Water

Clean Water • Healthy Environment • Flood Protection

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

Zoom Webinar Instructions

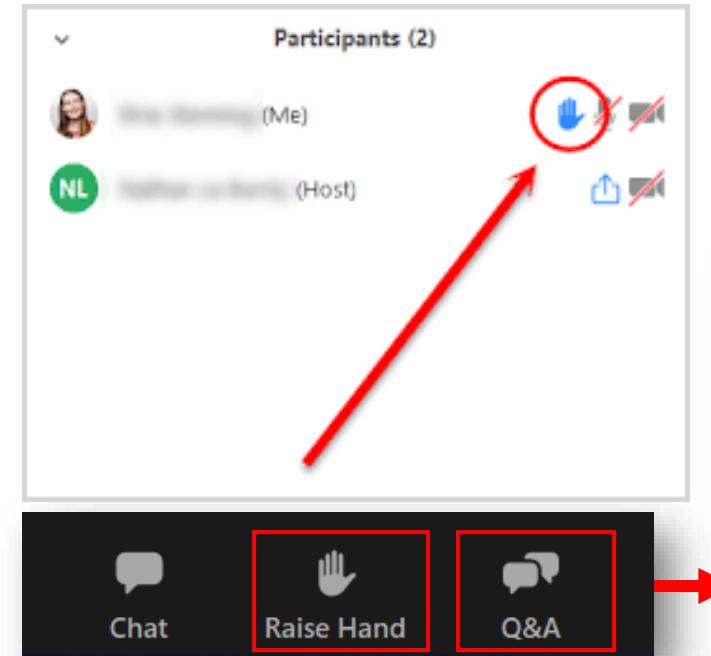
Join Computer Audio



If internet unstable, use Phone Audio

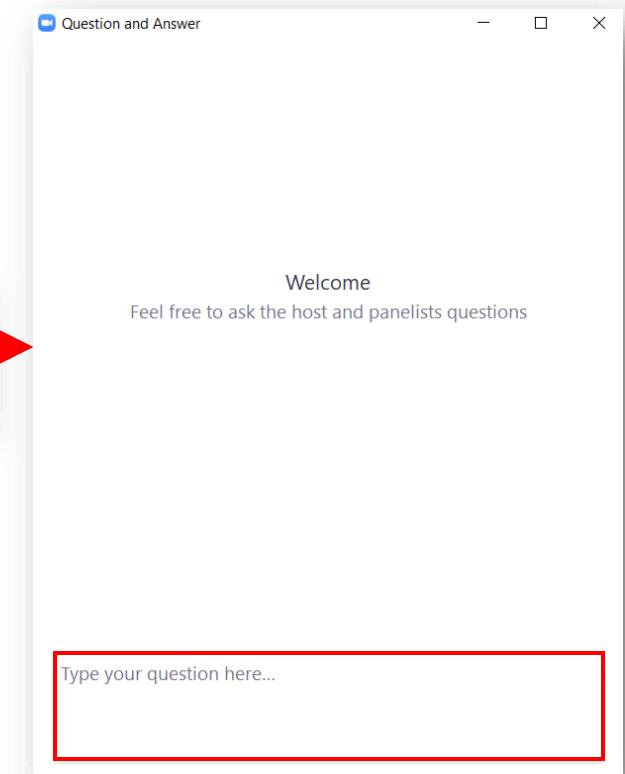
- Check your invite/email for call-in number and meeting ID
- Dial call-in number: **1-669-900-9128**
- Enter webinar ID then #.

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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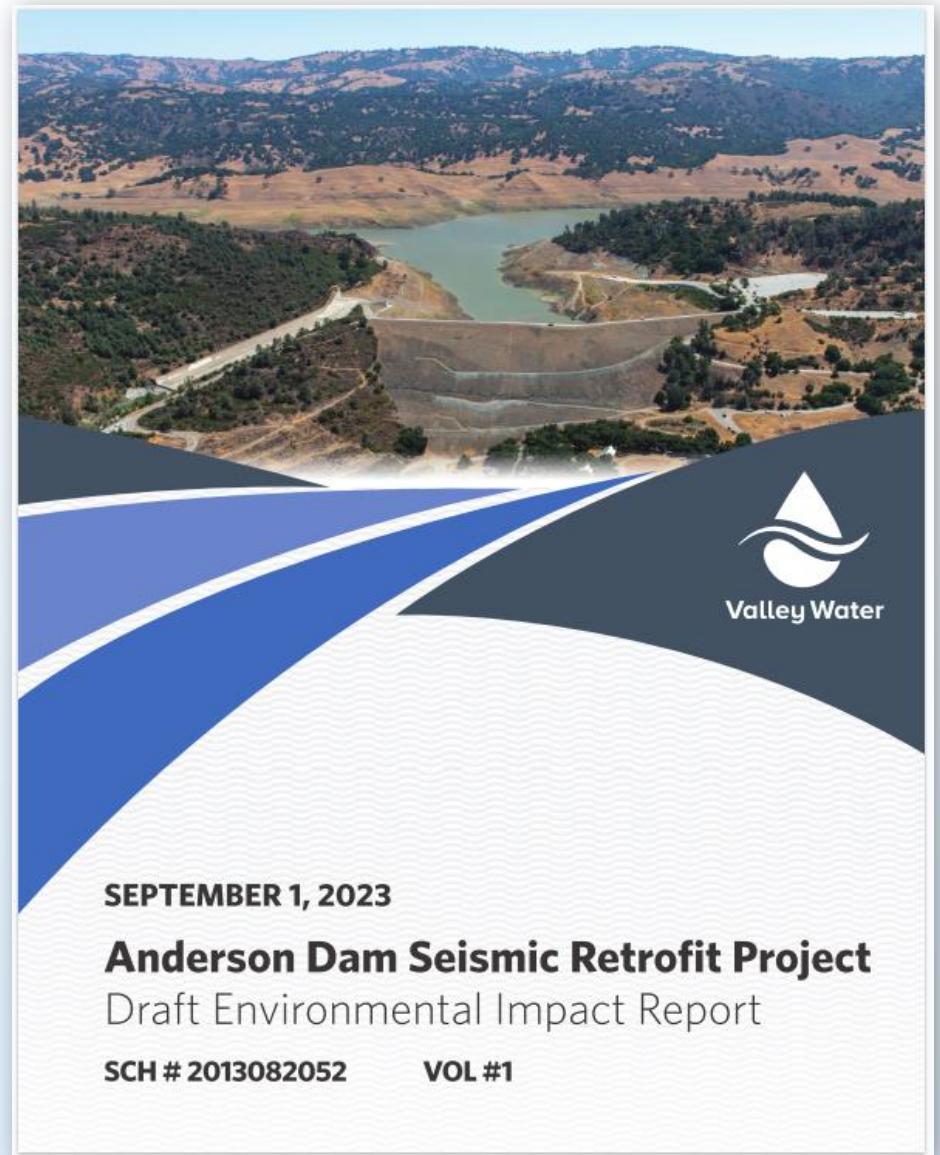
Anderson Dam Seismic Retrofit Project

Draft Environmental Impact Report

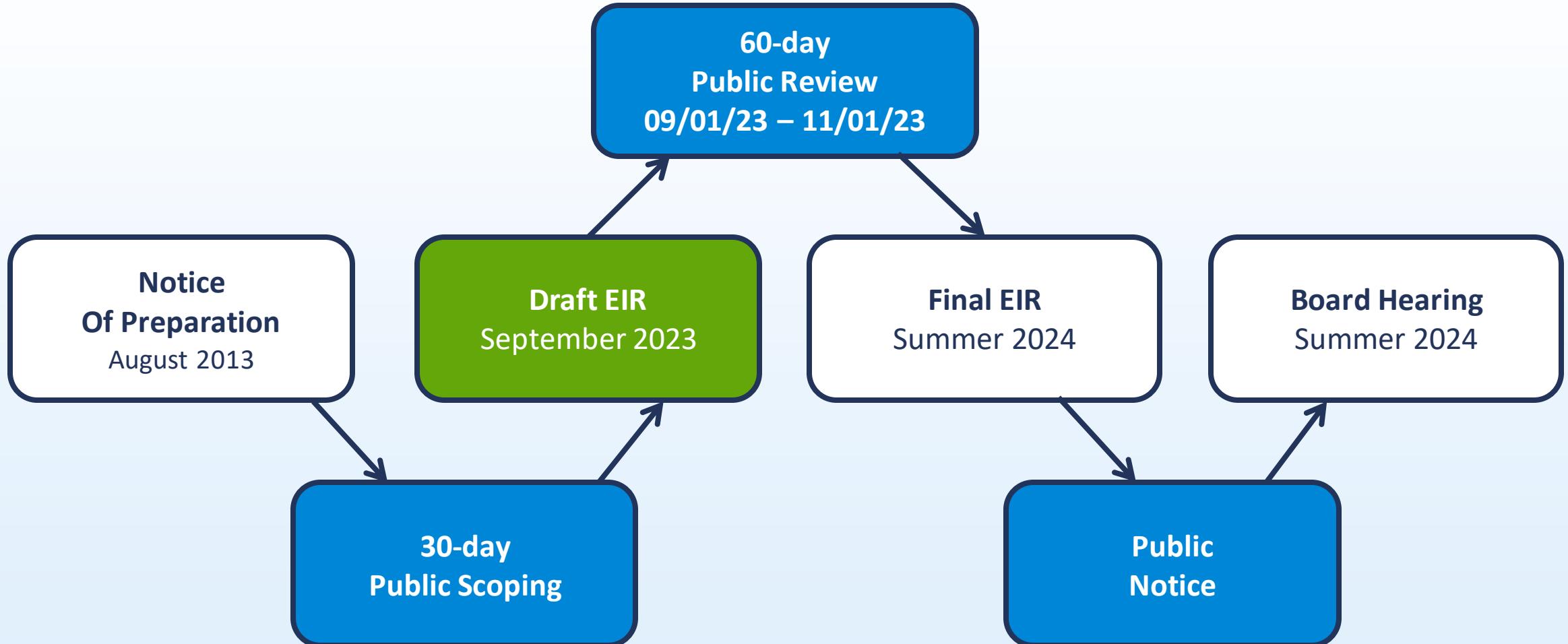
October 4, 2023

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

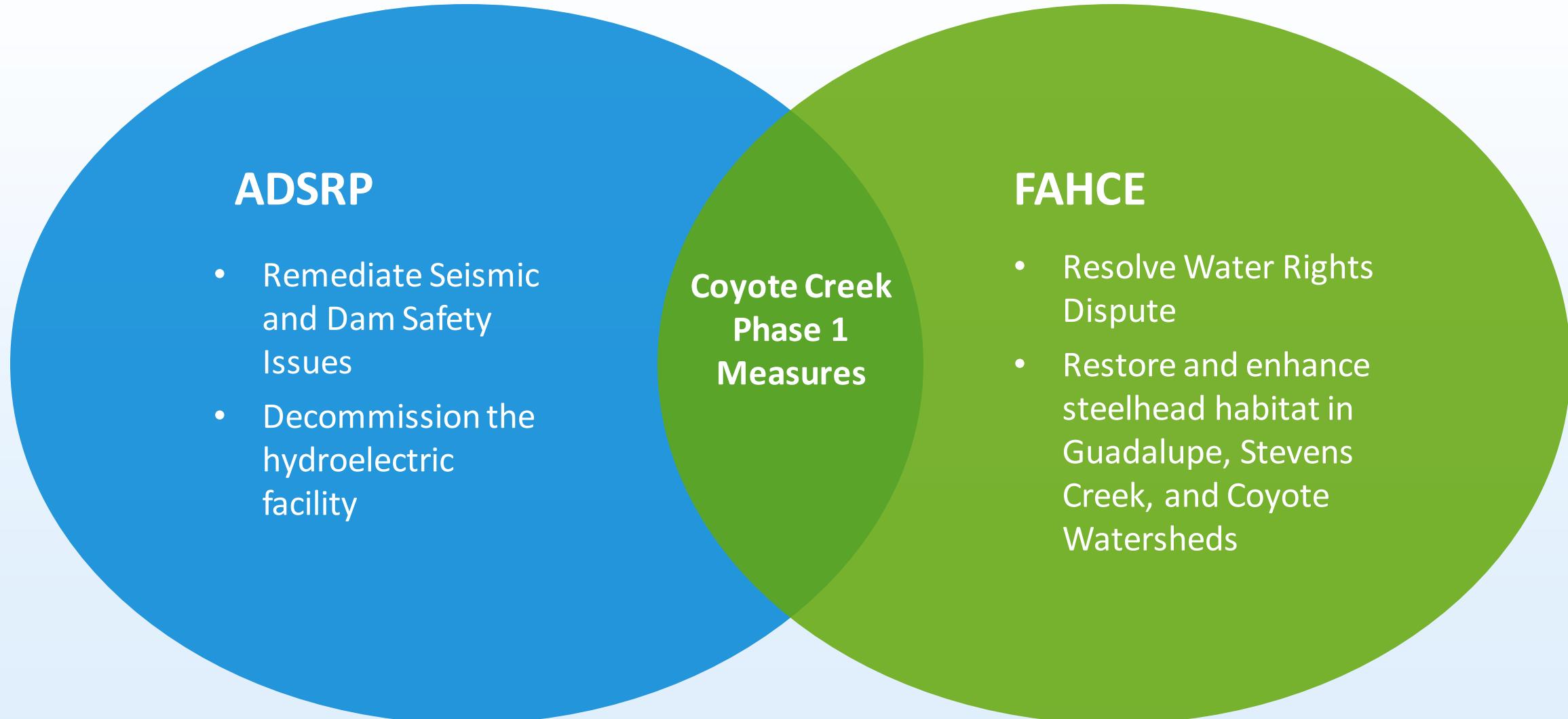


CEQA Process and Schedule



ADSRP and FAHCE Overlap

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

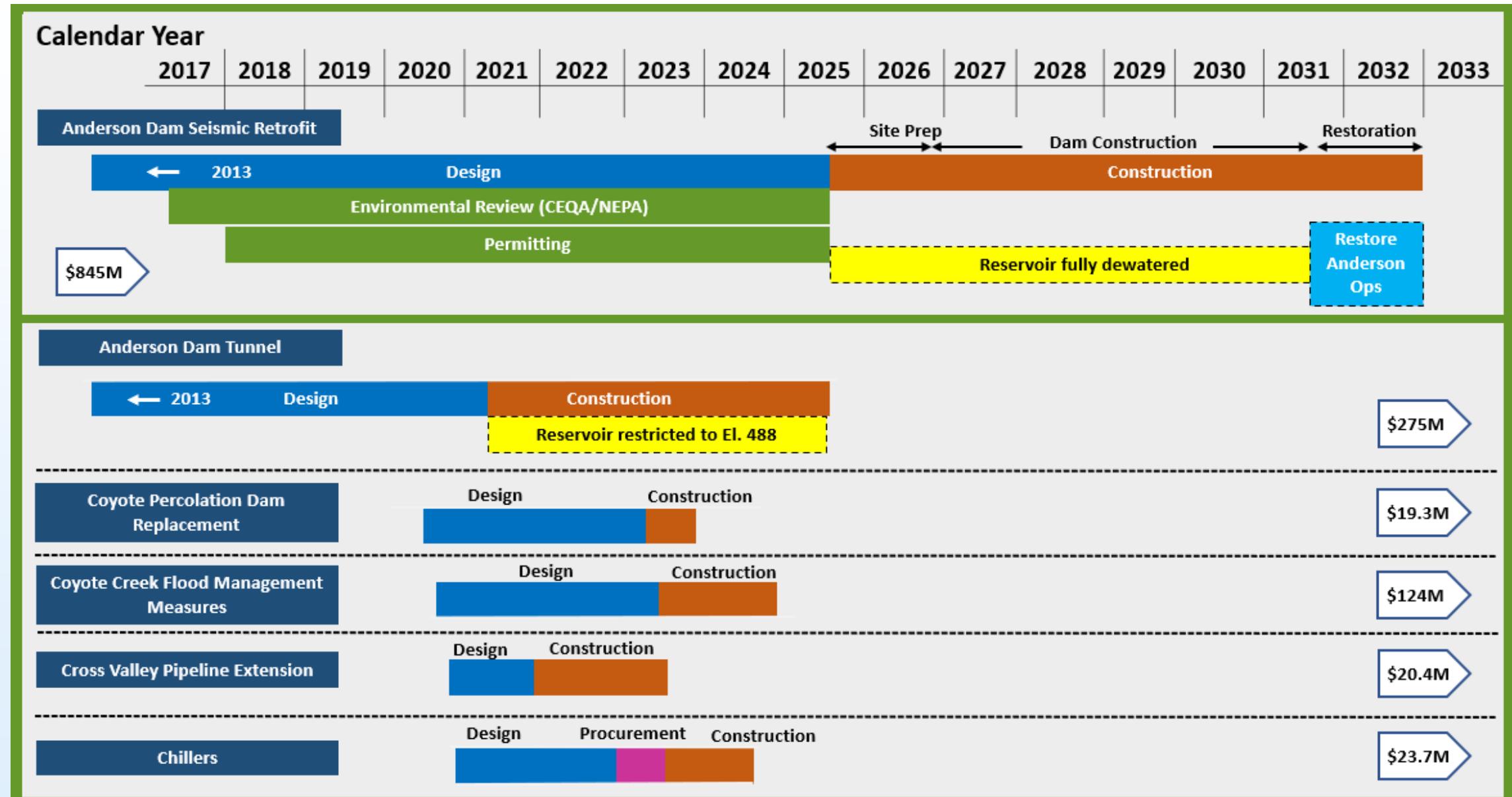


Project Objectives

- 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

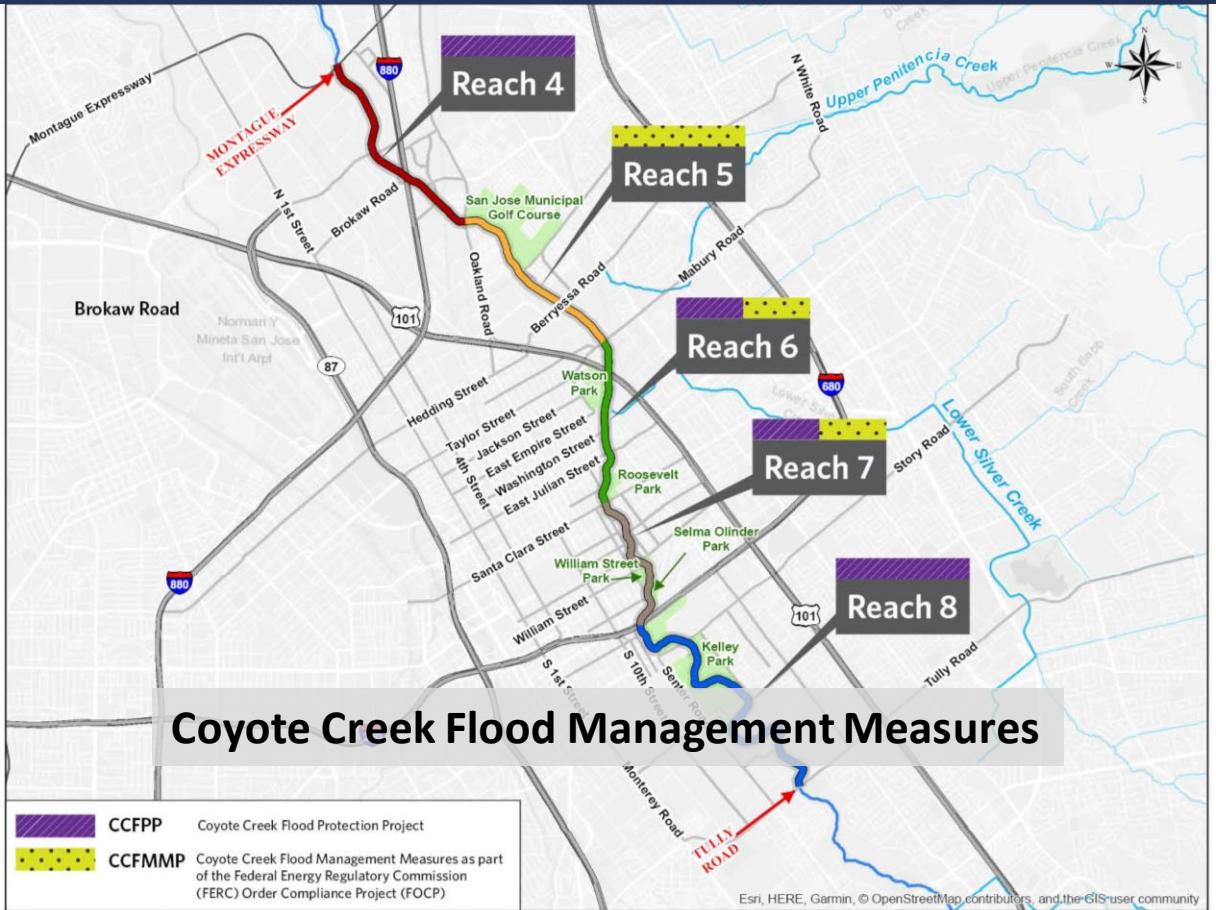


Anderson Dam Tunnel Project Components

- Anderson Dam
- Coyote Creek
- HLOW Drop Shaft
- Diversion Tunnel Portal
- Outlet Works Tunnel
- Lake Tap

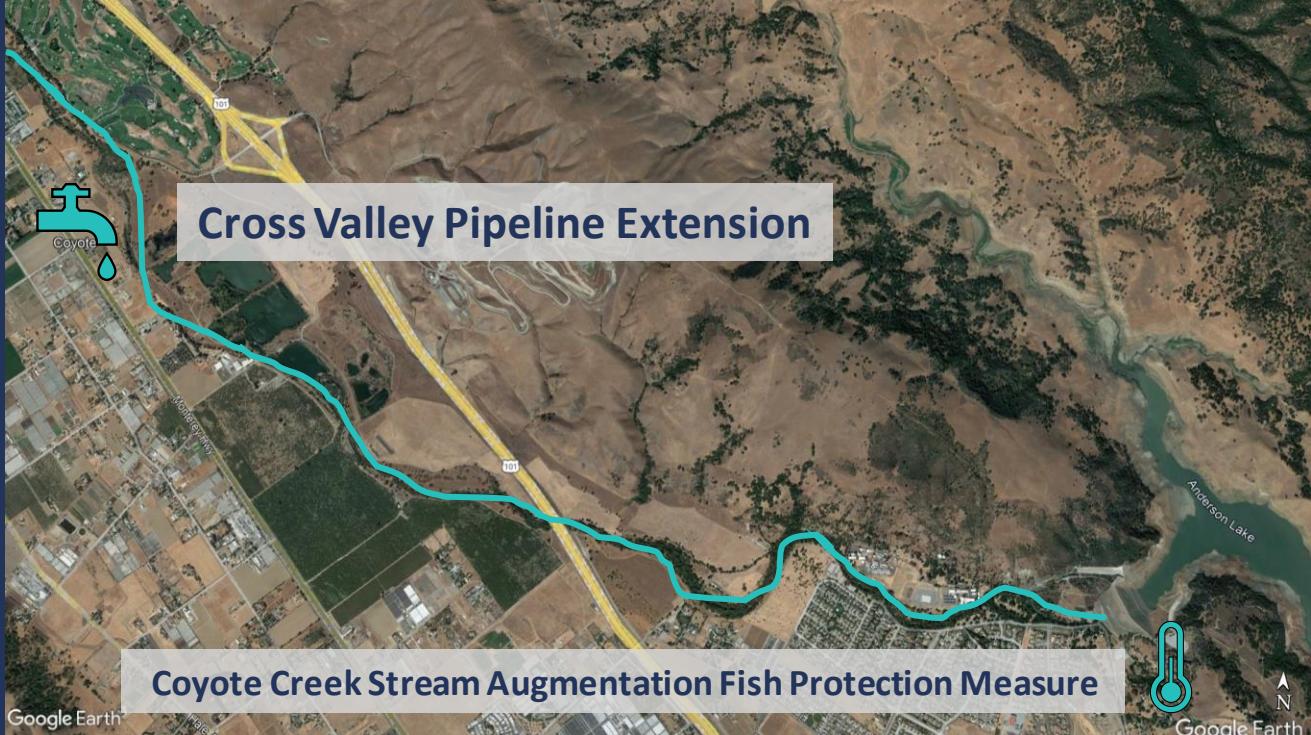


FOCP (not part of ADSRP)



*Received CEQA coverage through a Statutory Exemption

Coyote Percolation Dam Replacement



Coyote Creek Stream Augmentation Fish Protection Measure



Google Earth

Seismic Retrofit Components

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

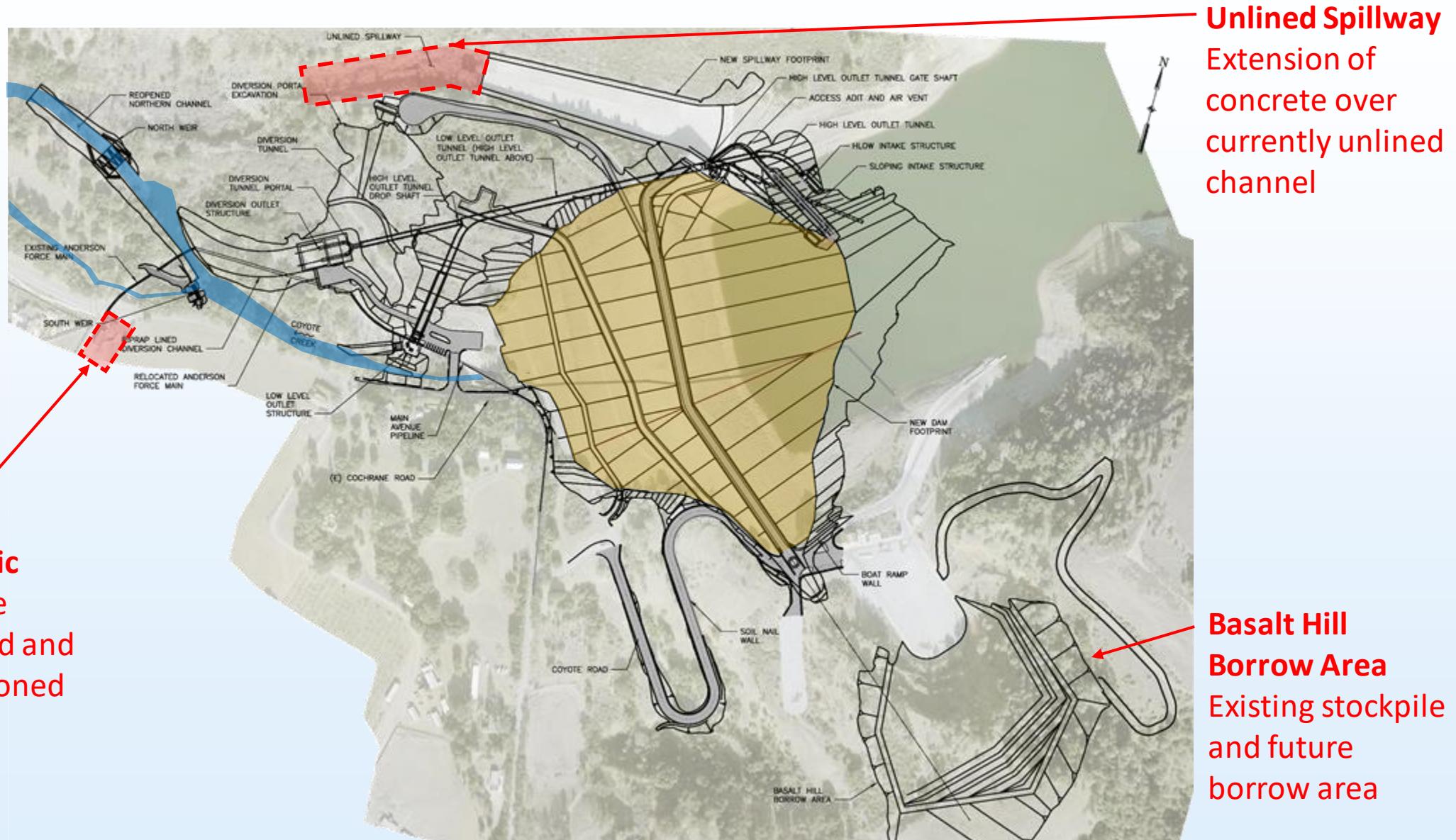


Anderson Dam Seismic Retrofit Project

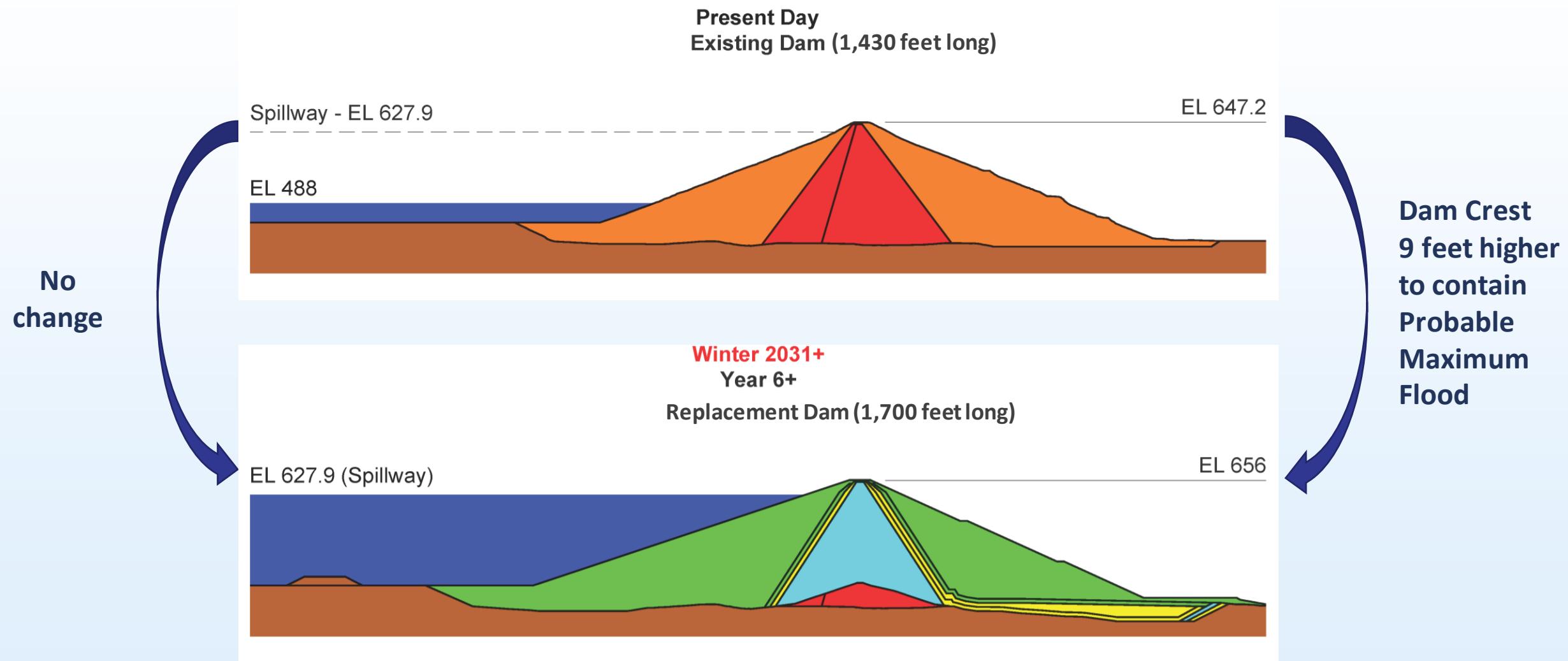
Coyote Creek
North Channel

South Channel

Hydroelectric
Facility to be
disconnected and
decommissioned



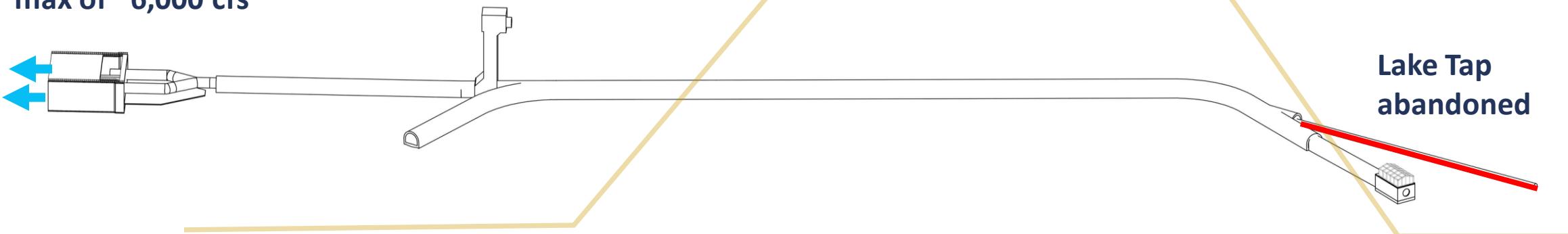
Dam Embankment



Construction Sequence – Stage 2 Diversion

(End of ADSRP Year 2 through Year 6)

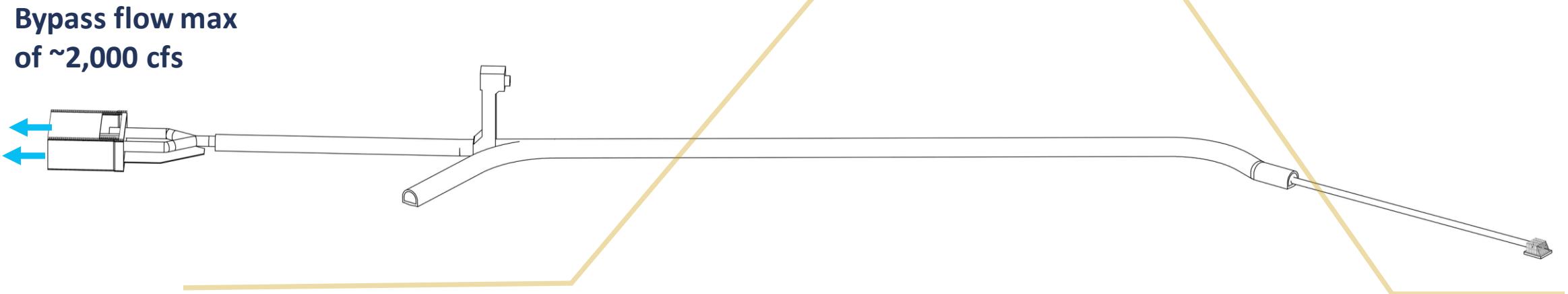
Increases bypass flow
max of ~6,000 cfs



Lake Tap
abandoned

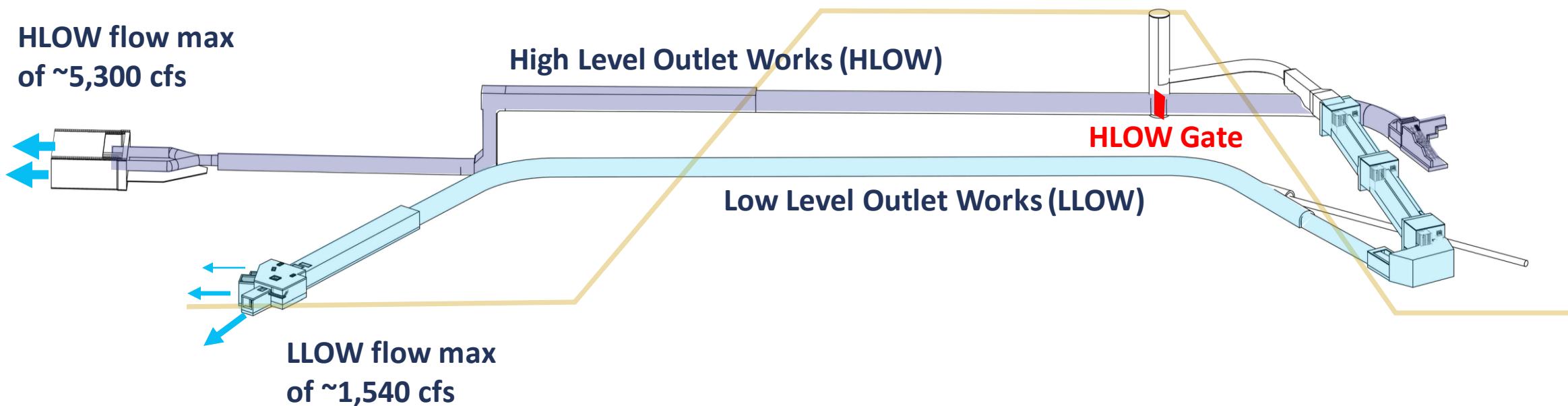
Construction Sequence – Stage 1 Diversion

(Beginning of ADSRP Year 2)



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

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 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.

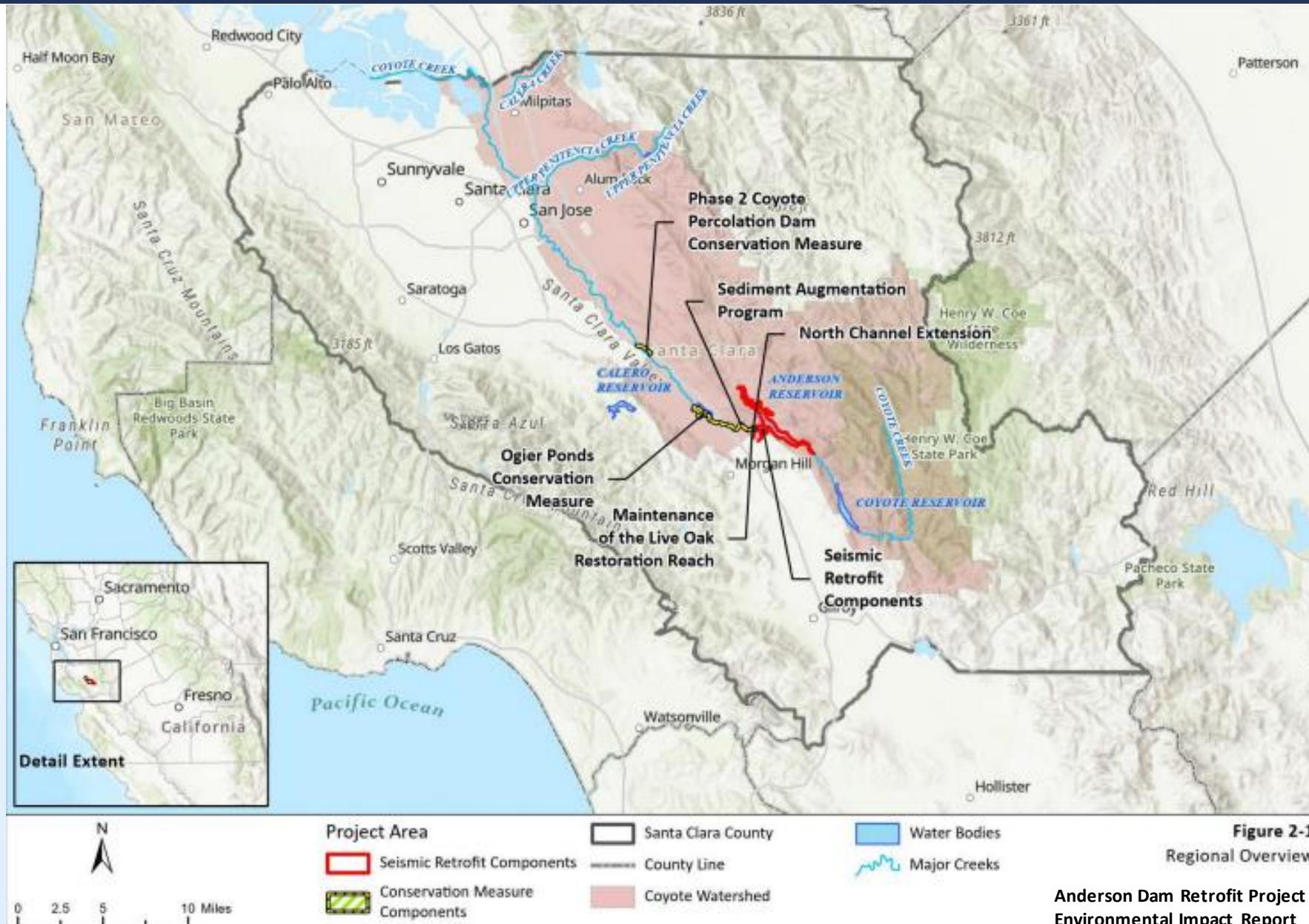




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Project Components Locations



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)

Coyote Creek
Flood
Management
Measures

Anderson
Dam Tunnel

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



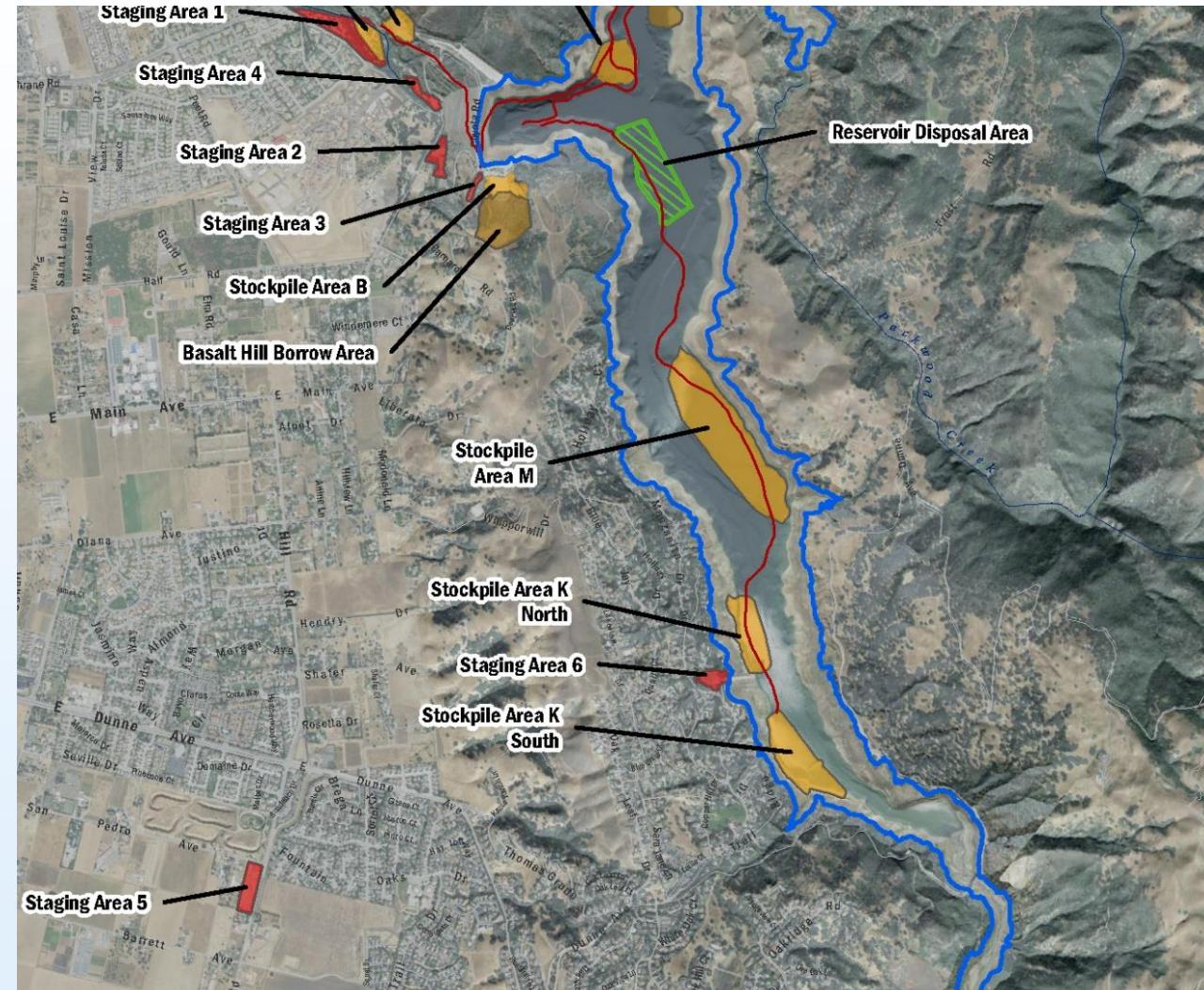
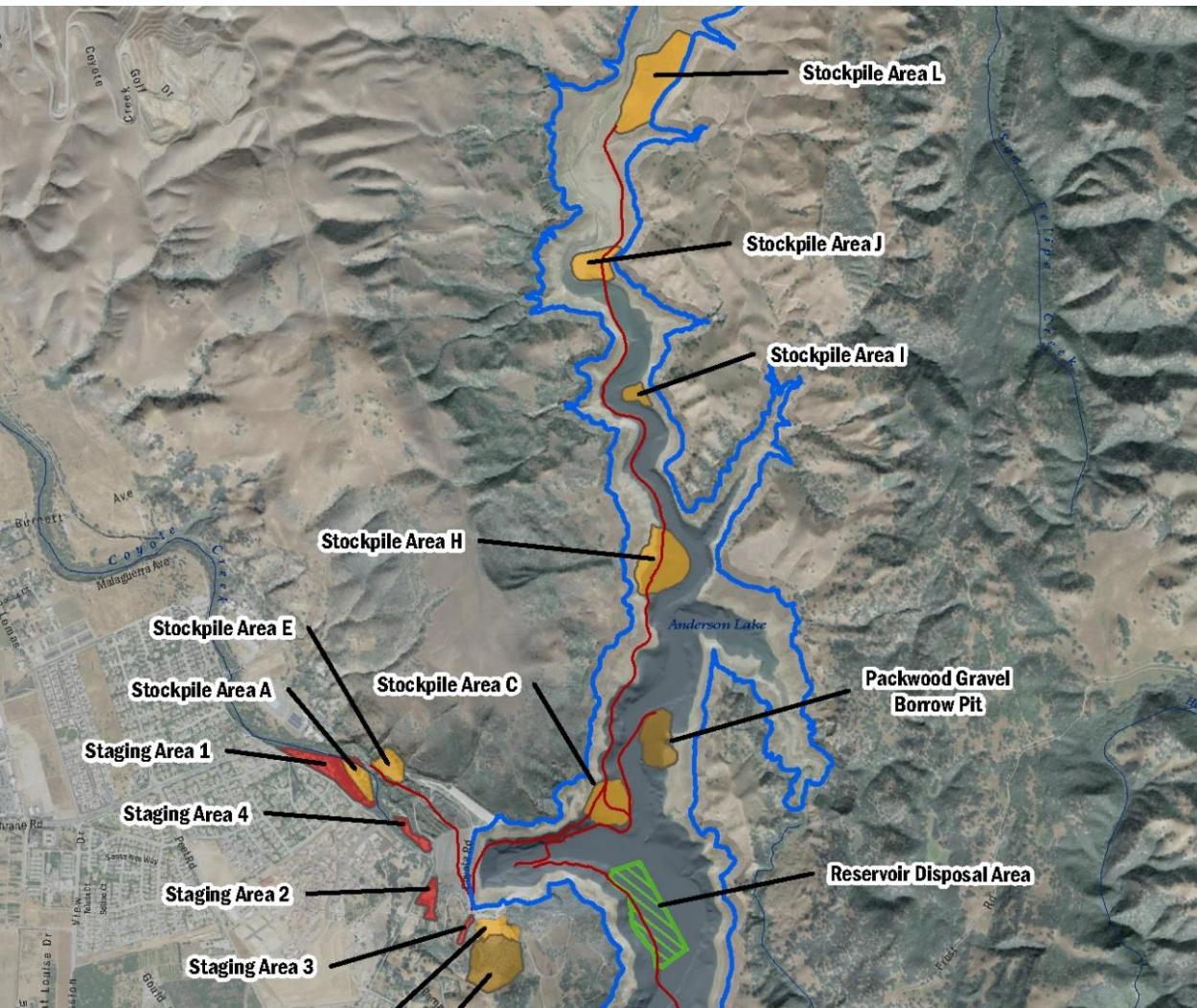
Diversion Outlet Structure construction September 2023

Communication Lines Beyond Dam Excavation Footprint

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

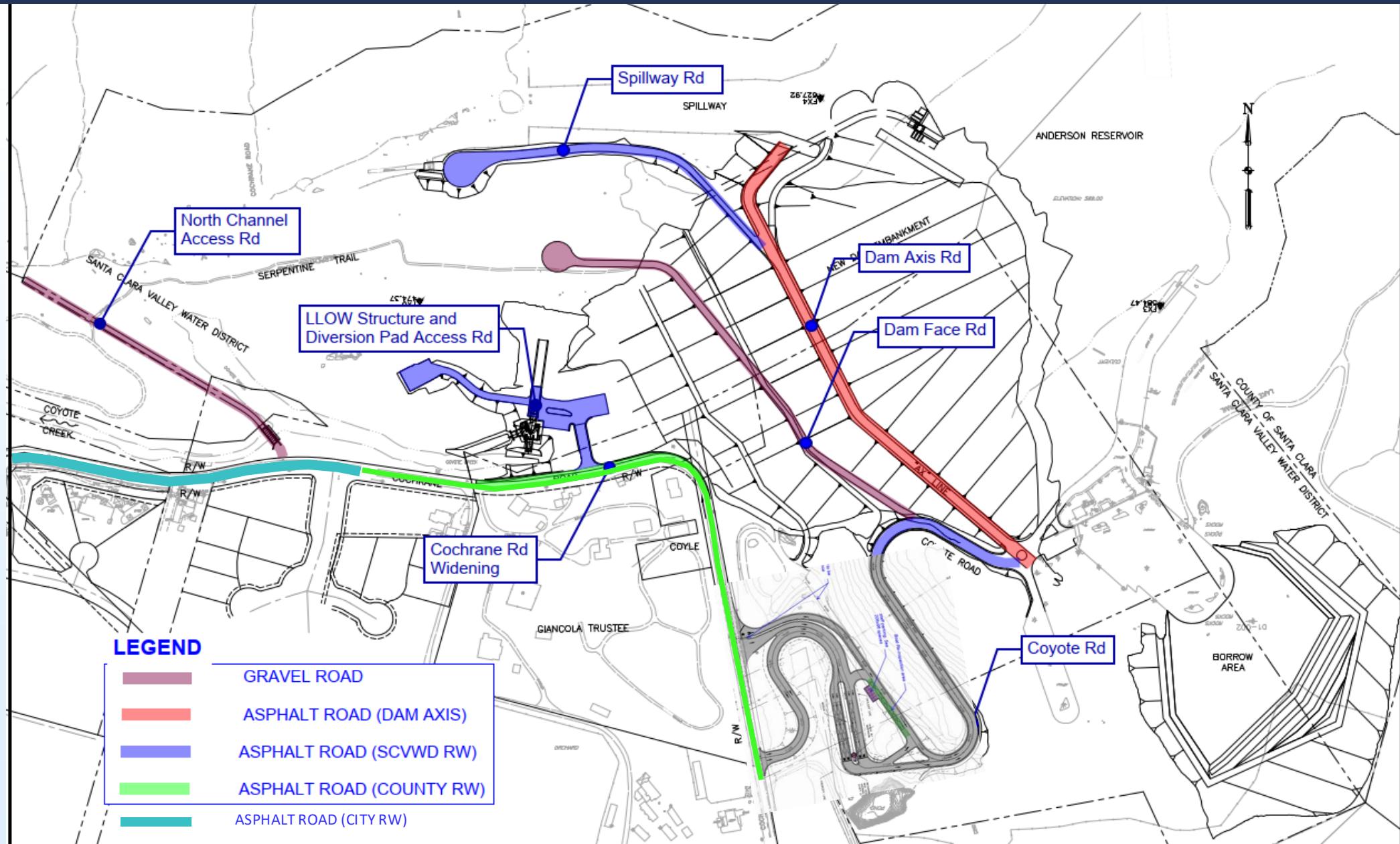


Temporary Roadways



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

