



## **Santa Clara Valley Water District Stream Planning & Operations Committee Meeting**

HQ Boardroom  
5700 Almaden Expressway  
San Jose, CA 95118

### **SPECIAL MEETING AGENDA**

**Thursday, September 22, 2022  
12:00 PM**

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**District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.**

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**SPOC COMMITTEE**

Barbara Keegan - District 2  
Linda J. LeZotte - District 4  
Tony Estremera - District 6

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**Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.**

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**Santa Clara Valley Water District**  
**Stream Planning & Operations Committee**  
**SPECIAL MEETING**  
**AGENDA**

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Thursday, September 22, 2022

12:00 PM

HQ Boardroom

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**\*\*\*IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS\*\*\***

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with **Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS** located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee at a video conferenced meeting, during public comment or on any item listed on the agenda, should use the “Raise Hand” tool located in the Zoom meeting link listed on the agenda, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water’s bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water’s bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board’s Electronic Municipal Market

Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

**Join Zoom Meeting:**

**<https://valleywater.zoom.us/j/81170871803>**

**Meeting ID: 811 7087 1803**

**Join by Phone:**

**1 (669) 900-9128, 81170871803#**

**1. CALL TO ORDER:**

1.1. Roll Call.

**2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.**

*Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.*

**3. APPROVAL OF MINUTES:**

3.1. Approval of Minutes.

[22-1009](#)

Recommendation: Approve the May 12, 2022, Stream Planning and Operations Committee (SPOC) minutes.

Manager: Michele King 408-630-2711

Attachments: [Attachment 1: May 12, 2022, SPOC Minutes.](#)

**4. INFORMATION AND ACTION ITEMS:**

4.1. Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation. [22-1007](#)

Recommendation: Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation.

Manager: John Bourgeois, (408) 314-8859.

Attachments: [Attachment 1: Steelhead Regional Temperature Study](#)

4.2. Receive updates on FAHCE Progress and Deliverables (Including Initialing Parties and Adaptive Management Team Meetings). [22-1005](#)

Recommendation: Receive updates on the FAHCE progress and deliverables.

Manager: John Bourgeois, (408) 314-8859

4.3. Receive update on Anderson Dam Seismic Retrofit Project and Incorporation of FAHCE Conservation Measures for Coyote Creek. [22-1008](#)

Recommendation: Receive updates on the Anderson Dam Seismic Retrofit Project (ADSRP).

Manager: Christopher Hakes, 408-630-3796

Attachments: [Attachment 1: PowerPoint](#)

4.4. Review Stream Planning and Operations Committee (SPOC) Work Plan and Outcomes of Board Action of Committee Requests. [22-1010](#)

Recommendation: A. Review 2022 SPOC work plan outcomes of Board action of Committee requests; and  
B. Schedule Committee meetings as appropriate.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 2022 SPOC Work Plan](#)

**5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**

*This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.*

**6. ADJOURN:**

6.1. Adjourn to Regular Meeting at 12:00 p.m., on November 10, 2022.



# Santa Clara Valley Water District

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File No.: 22-1009

Agenda Date: 9/22/2022

Item No.: 3.1.

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## COMMITTEE AGENDA MEMORANDUM

### Stream Planning and Operations Committee

**SUBJECT:**

Approval of Minutes.

**RECOMMENDATION:**

Approve the May 12, 2022, Stream Planning and Operations Committee (SPOC) minutes.

**SUMMARY:**

A summary of SPOC Committee discussions, and details of actions taken by the Committee, during an open and public meeting, is transcribed and submitted for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the historical records archives and serve as historical records of the Committee's meetings.

**ATTACHMENTS:**

Attachment 1: May 12, 2022, SPOC Minutes.

**UNCLASSIFIED MANAGER:**

Michele King 408-630-2711

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STREAM PLANNING AND OPERATIONS COMMITTEE

# DRAFT MINUTES

THURSDAY, MAY 12, 2022  
12:00 PM

(Paragraph numbers coincide with agenda item numbers)

**1. CALL TO ORDER**

**1.1 ROLL CALL**

A meeting of the Santa Clara Valley Water District (Valley Water) Stream Planning and Operations Committee (SPOC) was called to order at 12:00 p.m. on May 12, 2022.

Board members in attendance: Director Barbara Keegan-District 2, Director Linda J. LeZotte-District 4, constituting a quorum of the SPOC. Director Tony Estremera, District 6 arrived as noted below.

Staff members in attendance: Rechelle Blank, John Bourgeois, Rita Chan, Anthony Fulcher, Chris Hakes, Ryan Heacock, Bassam Kassab, Michele King, Ryan McCarter, Eric Olson, Lisa Porcella, Tina Yoke and Sarah Young.

**2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT AN AGENDA**

Chair LeZotte declared time open for public comment on any item not on the agenda. There was no one present who requested to speak.

**3. APPROVAL OF MINUTES**

**3.1 APPROVAL OF MINUTES**

The SPOC considered the draft minutes from the March 10, 2022, meeting. It was moved by Director Keegan, seconded by Director LeZotte, and unanimously carried to approve the minutes as presented. Director Estremera was absent.

**4. INFORMATION AND ACTION ITEMS**

Director Estremera arrived during the presentation of Item 4.1.

**4.1 Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation.**

Ms. Sarah Young, Senior Project Manager, provided an update and virtual tour of the Fish Restoration Measures in the Coyote Creek, Guadalupe River and Steven Creek Watershed areas, as presented in Attachment 1.

SPOC members requested that this information be shared with the full board, the Water Commission, and the Environmental and Water Resources Committee, to educate on the successes Valley Water has had on the watershed side of the business.

**4.2 Receive Updates on FAHCE Progress and Deliverables (including initialing Parties and Adaptive Management Team meetings).**

Ms. Lisa Pocella, Environmental Mitigation and Monitor Manager, informed the SPOC that staff has scheduled a June 3<sup>rd</sup> meeting with the Initialing Parties to provide an update on FAHCE program, the associated Environmental Impact Reports, and check in on Memorandum of Agreement and the Settlement Agreement. A meeting of the Adaptive Management Team will be scheduled after the Initialing Parties meeting, as needed.

Mr. Ryan Heacock, Senior Water Resource Specialist, provided an update on the status of the Environmental Impact Report (EIR), stating that after categorizing and analyzing the various comment letters from the resource agencies, Initialing Parties, California Department of Transportation, environmental groups, and interested members of the public, staff has convened a series of meetings to further analyze the comments, coordinate responses and identify next steps for finalizing the EIR.

SPOC members stated the importance that the public know that the Board is committed to adaptive management.

Ms. Porcella gave an update on the approval of an amendment to a contract in the amount of \$70,000 with Stillwater Science Inc. for additional technical expertise in support of the change petition.

Mr. Eric Olson, Senior Engineer, Raw Water Operations, provided a FAHCE Plus Pilot Program Update on Stevens and Guadalupe Creeks, as outlined in Handout 4.2-A. Copies of the handout were distributed to the committee and made available to the public.

**4.3 Receive Update on Anderson Dam Seismic Retrofit Project and Incorporation of FAHCE Conservation Measures for Coyote Creek.**

Mr. Chris Hakes, Deputy Operating Officer, introduced Mr. Ryan McCarter, Acting Assistant Officer, and informed the SPOC that Mr. McCarter would be providing future updates on this project, after today's meeting. Mr. Hakes proceeded with an update, as outline in the attached Committee Memorandum.

**4.4 Review Stream Planning and Operations Committee (SPOC) Work Plan, Outcomes of Board Action of Committee Requests, and the Next Meeting Agenda.**

Ms. Michele King, Clerk of the Board, reviewed the 2022 Work Plan and draft agenda for the next meeting on July 14, 2022.

**5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**

Committee requests were not read into the record.

**6. ADJOURNMENT**

Chair LeZotte adjourned the meeting at approximately 1:00 p.m. to the July 14, 2022, meeting.

Michele L. King  
Clerk of the Board

Approved:

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# Santa Clara Valley Water District

File No.: 22-1007

Agenda Date: 9/22/2022

Item No.: 4.1.

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## COMMITTEE AGENDA MEMORANDUM

### Stream Planning and Operations Committee

#### **SUBJECT:**

Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation.

#### **RECOMMENDATION:**

Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation.

#### **SUMMARY:**

Santa Clara Valley Water District (Valley Water), in collaboration with the San Francisco Bay Regional Water Quality Control Board, is conducting a Regional Temperature Study to analyze available data, identify data gaps, and develop scientific studies that can be used to refine protective temperature evaluation guidelines to support cold freshwater, migration, fish spawning, and related beneficial uses of Central California Coast (CCC) steelhead (*Oncorhynchus mykiss*). Staff from the National Marine Fisheries Service, California Department of Fish and Wildlife, and Environmental Protection Agency are providing input on the study.

Staff along with the consultant team and the Technical Review Panel will provide information on the regional study, allowing time for public comment and discussion.

#### **ATTACHMENTS:**

Attachment 1: Steelhead Regional Temperature Study

#### **UNCLASSIFIED MANAGER:**

John Bourgeois, (408) 314-8859.

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# Central California Coast Steelhead Regional Temperature Study



Stream Planning and Operations Committee (SPOC) Meeting  
September 22, 2022

# CCC Steelhead Regional Temperature Study (RTS)

## Goal

- develop an approach for refining regionally appropriate and scientifically rigorous temp evaluation guidelines that support beneficial uses of CCC steelhead

## Participants

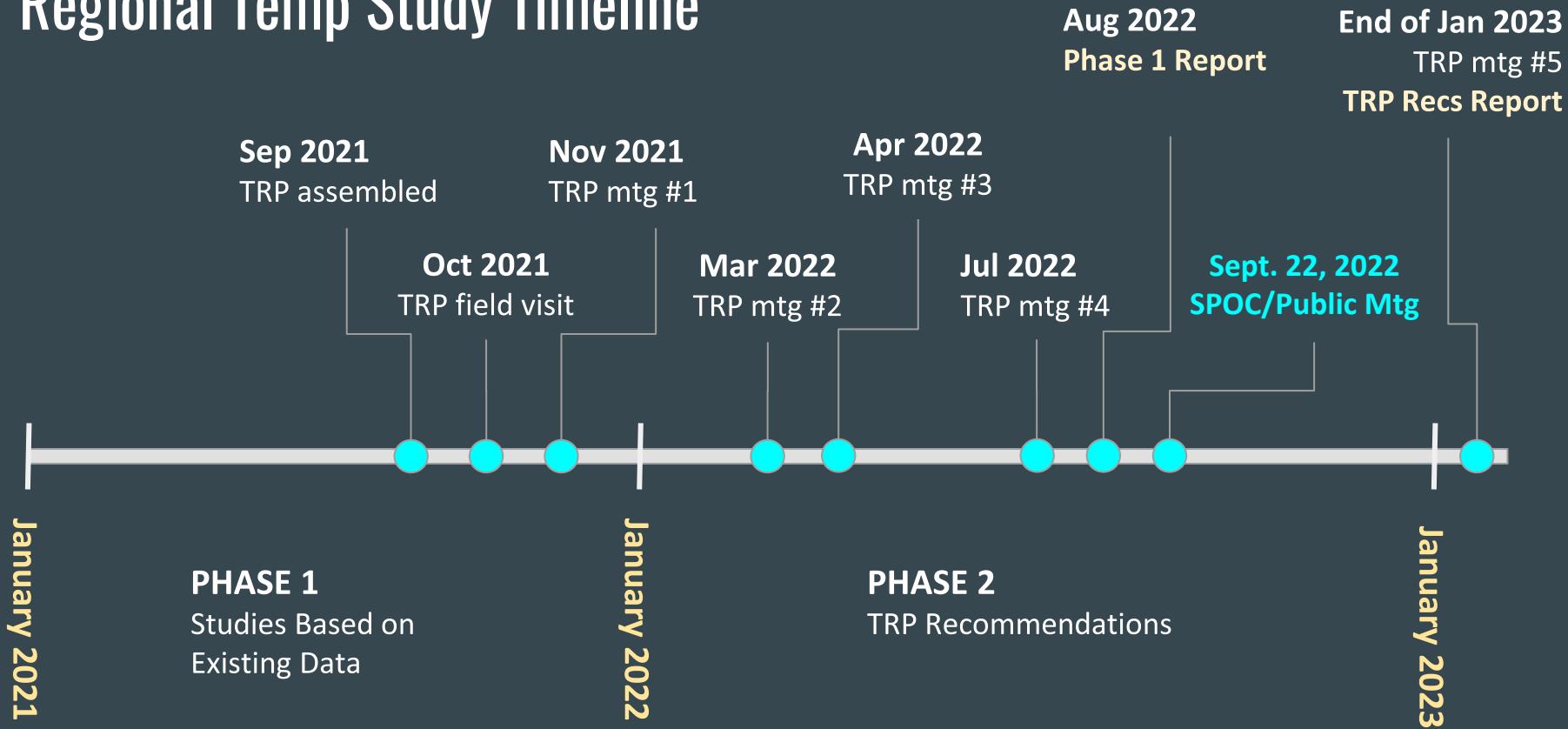
- Valley Water
- San Francisco Bay RWQCB
- Technical Review Panel (TRP)
- Agency Reps (NCRWQCB, CDFW, NFMS, EPA, SWRCB)
- Public Stakeholders
- Stillwater Sciences and Exponent
- SFEI

## Timeline

- January 2021 - January 2023



# Regional Temp Study Timeline



# Technical Review Panel (TRP)



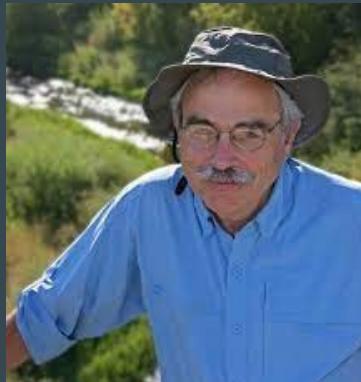
**Michael Deas, PE, PhD**  
Principal  
Watercourse Engineering



**Anthony Farrell, PhD**  
Professor  
Dept of Zoology & Faculty of  
Land and Food Systems  
Univ of British Columbia



**Nann Fangue, PhD**  
Professor and Chair  
Dept of Wildlife, Fish &  
Conservation Biology  
UC Davis



**Peter Moyle, PhD**  
Distinguished Professor Emeritus  
Dept of Wildlife, Fish &  
Conservation Biology  
UC Davis

# TRP Recommendations Report

**The TRP will provide a brief report on the status of the RTS effort, which will include**

- a summary of the important water temperature considerations for each CCC steelhead life stage
- recommendations for additional studies that support the development of temp evaluation guidelines

**SFEI will be the author of the report with input from the TRP**

- all of the panel members sign off on it either in agreement or acknowledging differences



# Regional Temperature Study Updates and Reports

[www.valleywater.org/learningcenter/healthy-creeks-and-ecosystems/steelhead-regional-temperature-study](http://www.valleywater.org/learningcenter/healthy-creeks-and-ecosystems/steelhead-regional-temperature-study)

[HOME](#) > [LEARNING CENTER](#) > [HEALTHY CREEKS AND ECOSYSTEMS](#) > [STEELHEAD REGIONAL TEMPERATURE STUDY](#)

Water Education Programs and Events



Water 101 Academy



Valley Water Youth Commission



Public Tours



Public Art



Volunteer Program



Adopt A Creek



GIS Data



Grants & Partnerships



Glossary of water terms



Healthy Creeks and Ecosystems



Creekside Property Program

Public Trails Policy Criteria and Guidance

Steelhead Regional Temperature Study

Watersheds of Santa Clara Valley



The Water Treatment Process



## Steelhead Regional Temperature Study

Valley Water, in collaboration with the San Francisco Bay Regional Water Quality Control Board, is conducting a Regional Temperature Study to analyze available data, identify data gaps, and develop scientific studies that can be used to refine protective temperature evaluation guidelines to support cold freshwater, migration, fish spawning, and related beneficial uses of Central California Coast (CCC) steelhead (*Oncorhynchus mykiss*).

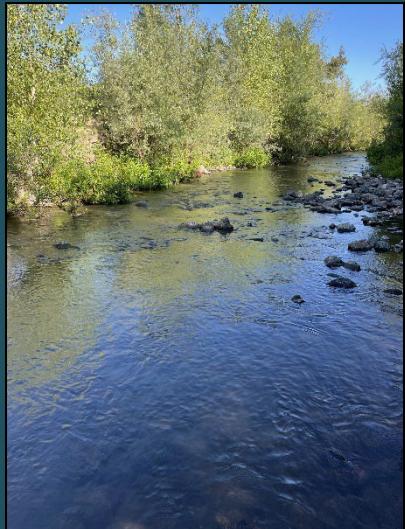
The Regional Temperature Study will be conducted in two phases. In the first phase, existing data from the CCC steelhead range will be analyzed to determine the relationship between stream temperature and CCC steelhead occurrence. In the second phase, a research plan will be designed by the [Technical Review Panel](#), an impartial panel of scientists which the San Francisco Estuary Institute facilitates, to refine regionally appropriate temperature evaluation guidelines for CCC steelhead. The research plan may include evaluating historical water temperatures, conducting field studies, and/or conducting streamside experimental or laboratory studies. Such studies could be conducted in the future, after the completion of Phase 2, in partnership with other regional stakeholders.

The CCC [Steelhead Regional Temperature Study Work Plan](#) was prepared to facilitate coordination between Valley Water and the Regional Water Quality Control Board and outline a path by which regionally appropriate temperature evaluation guidelines applicable to waterbodies supporting CCC steelhead may be best developed. Staff from the National Marine Fisheries Service, California Department of Fish and Wildlife, and Environmental Protection Agency are providing input on the study.



*Juvenile O. mykiss on Coyote Creek.*

# Regional Temperature Study Phase 1 Update: Central Coast California Steelhead Temperature Tolerance



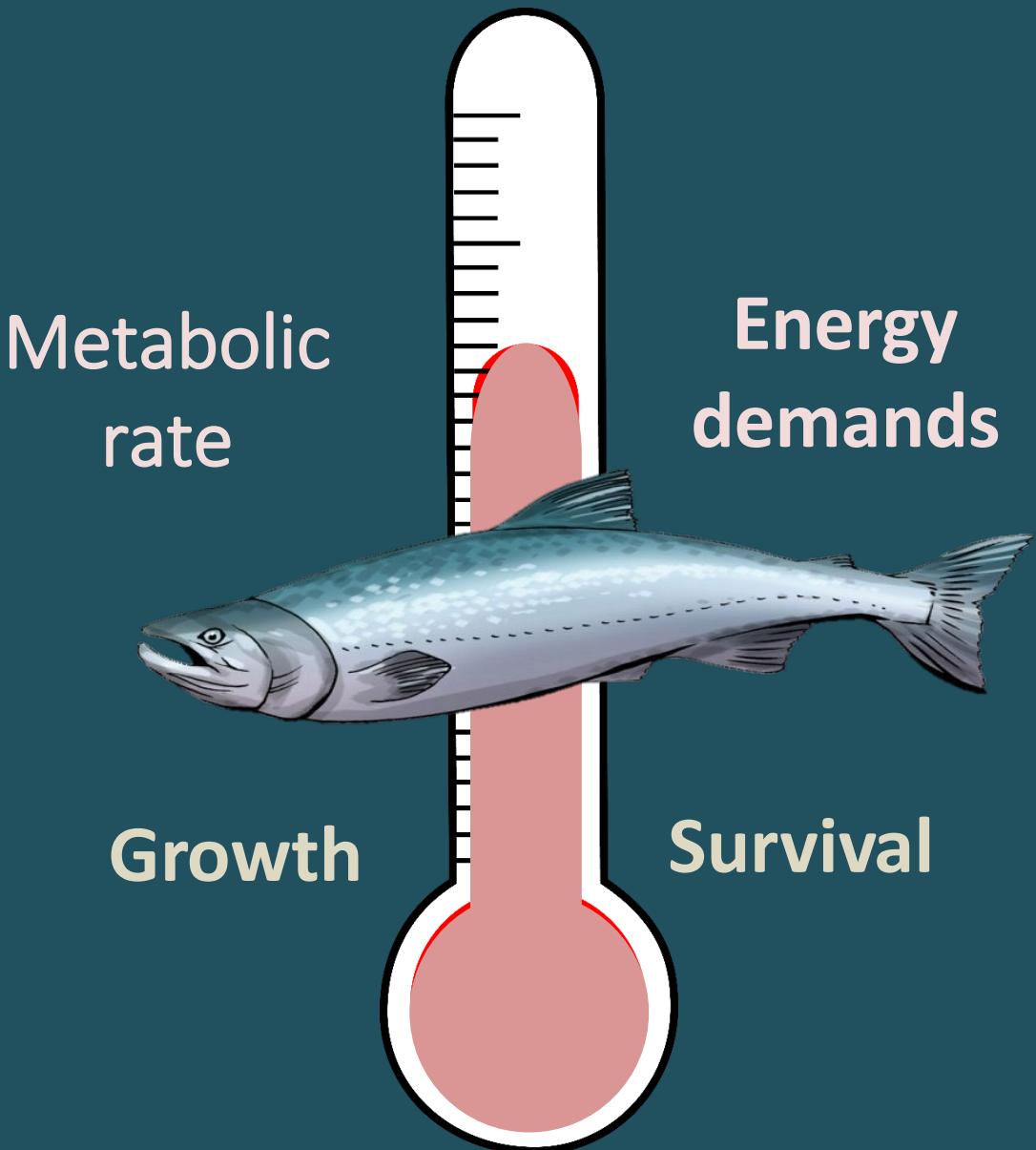
Matt Drenner, PhD

Senior Fish Biologist, Stillwater Sciences

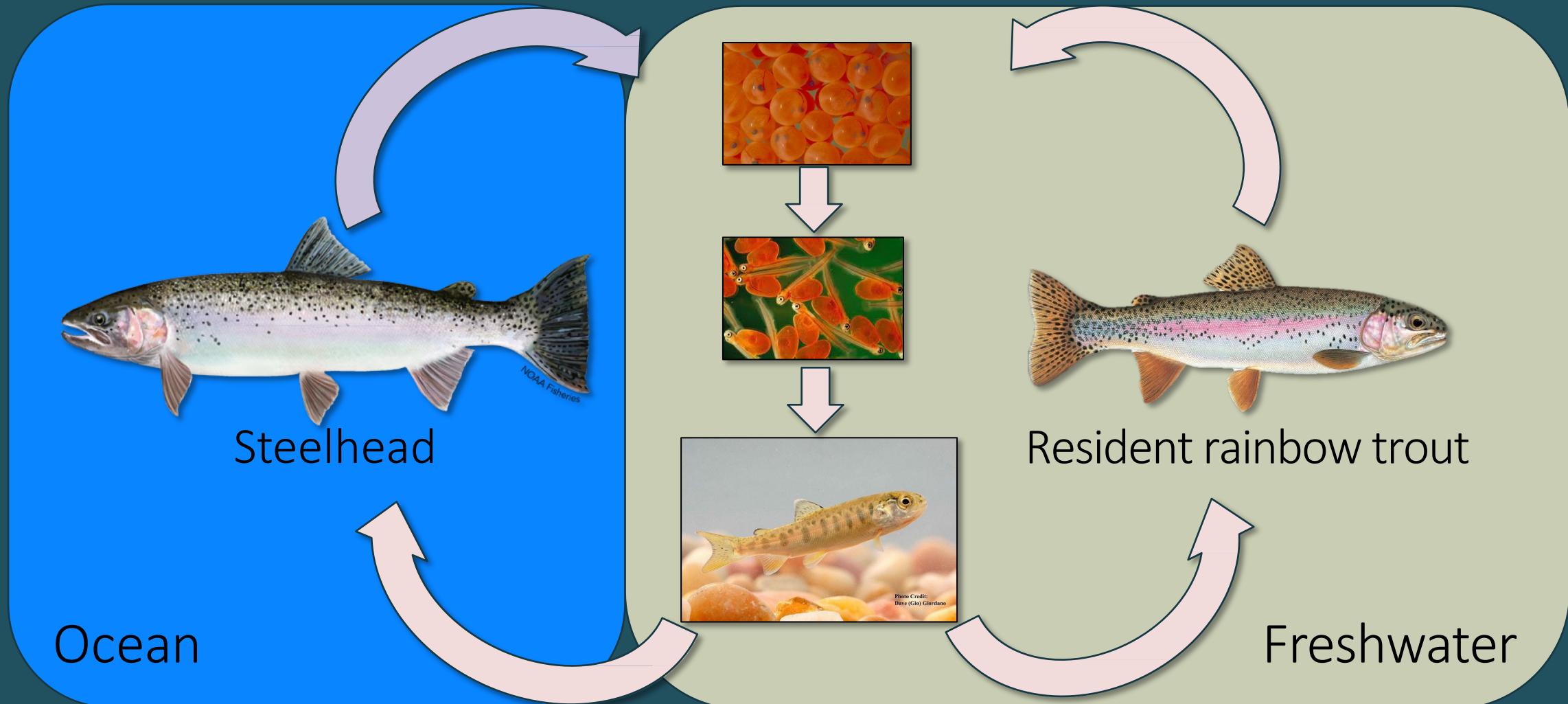
[mdrenner@stillwatersci.com](mailto:mdrenner@stillwatersci.com)

# Fish & Temperature

- Temperature is a critical abiotic factor
- Tolerance ranges and limits
- Species- and population-specific variability



# Steelhead (*Oncorhynchus mykiss*) Life History



# Research Objective

Characterize temperature tolerance of CCC steelhead using  
existing data

Does temperature influence CCC steelhead abundance, presence, or other fish conditions?

# Data Collection/Processing

## *Data collection*

- *O. mykiss surveys*
- *Continuous temperature monitoring*

## *Data processing*

- *GIS to spatially match sites*
- *QA/QC temperature data*

- Santa Clara Valley Water District
- Santa Clara Valley Urban Runoff Pollution Prevention Program
- Sonoma County Water District
- East Bay Regional Parks District
- East Bay MUD
- Marin Municipal Water District
- Napa River RCD
- San Francisco PUC
- San Mateo RCD
- Regulators: CDFW, NMFS
- Academics: San Jose St., UC Davis, UC Berkeley, UCSB

# Data Analysis

## 1) Fish density and presence/absence

- Tolerance ranges

## 2) Fish condition factor

- Weight: Length
- Indicates fish health

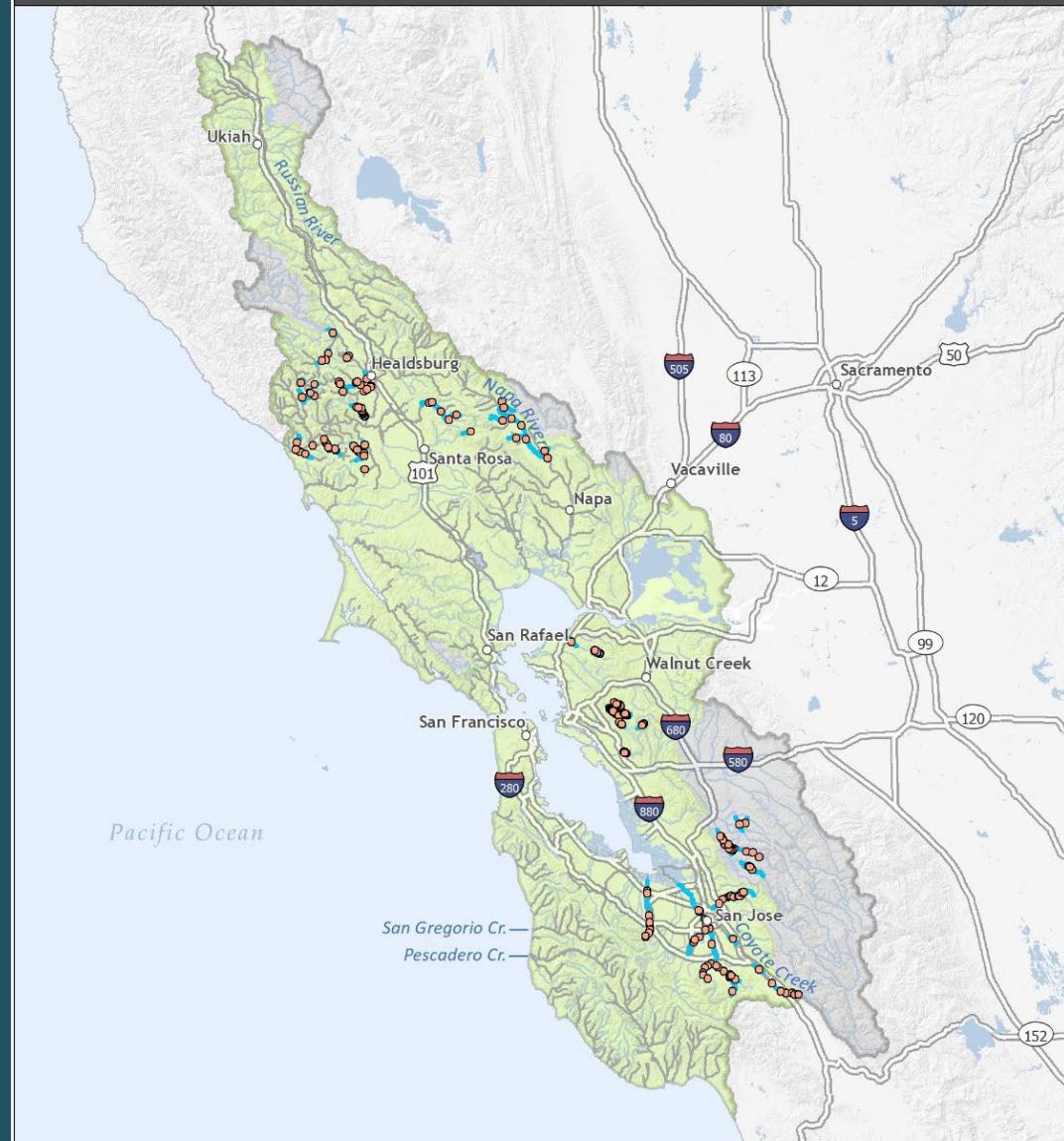


Coyote Creek *O. mykiss*

# Results

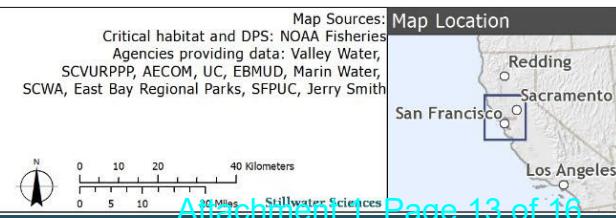
- >1,600 sites
- 18 years (range = 1999 – 2021)

CENTRAL CALIFORNIA COASTAL STEELHEAD TEMPERATURE THRESHOLD EVALUATION



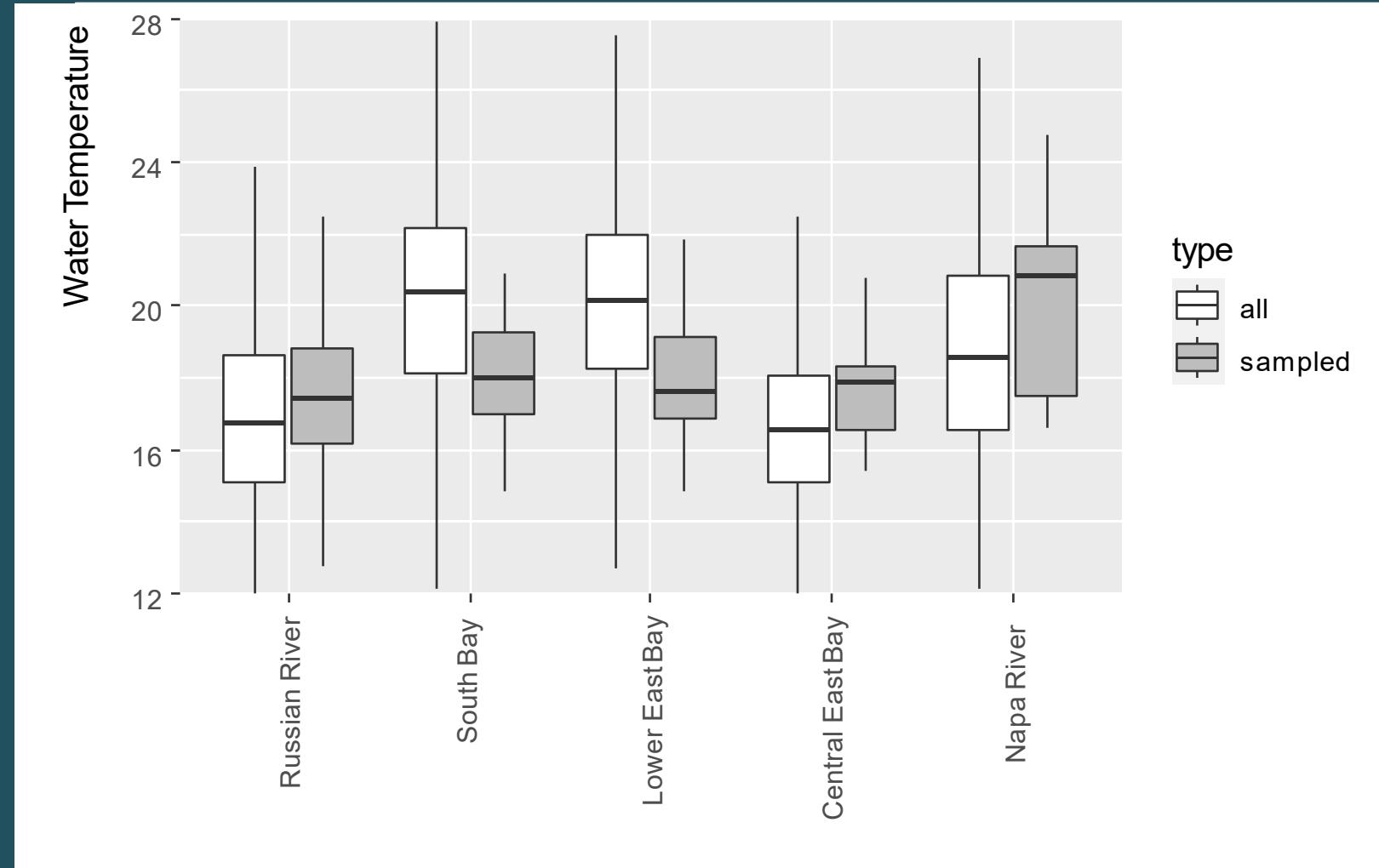
## Study Area

- Fish surveys with matching temperature data
- Streams with data
- Critical habitat without available data
- Central California Coast Steelhead DPS
- Accessible
- Historical Watershed: Anthropogenically Blocked



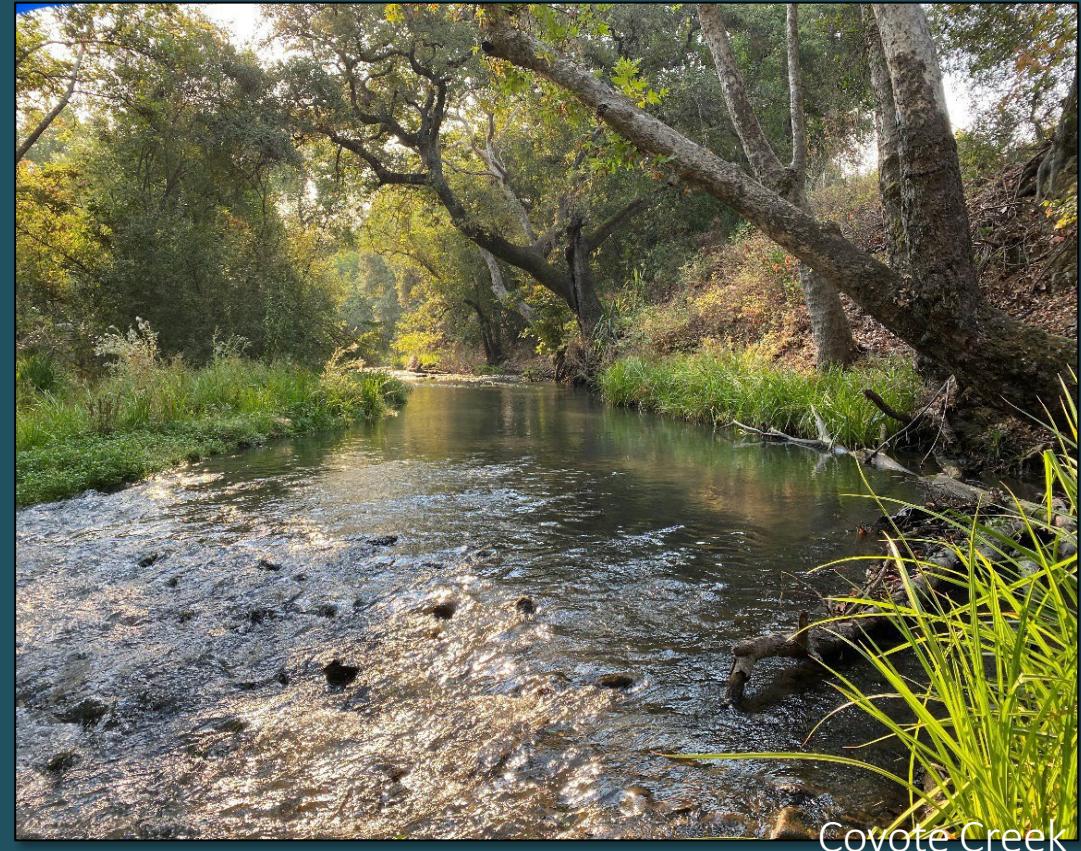
# Temperature

- Weekly average =  
10 – 26°C
- Weekly max =  
10- 30°C



# Additional Analysis

- Temperatures that *O. mykiss* can tolerate
- Evidence of limiting temperatures
- Better understanding regional temperature effects on *O. mykiss*



# Timeline

- Draft report completed Fall 2022
- Technical Panel review
- Final report completed Winter 2023
- 2023 and beyond : Additional data collection/studies to be considered



Coyote Creek *O. mykiss*  
Attachment 1. Page 16 of 16



# Santa Clara Valley Water District

File No.: 22-1005

Agenda Date: 9/22/2022

Item No.: 4.2.

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## COMMITTEE AGENDA MEMORANDUM

### Stream Planning and Operations Committee

**SUBJECT:**

Receive updates on FAHCE Progress and Deliverables (Including Initialing Parties and Adaptive Management Team Meetings).

**RECOMMENDATION:**

Receive updates on the FAHCE progress and deliverables.

**SUMMARY:**

Following the May 12, 2022, Stream Planning and Operations Committee (SPOC) meeting, FAHCE updates include:

**Progress on Deliverables**

FAHCE Plus Pilot Flows Implementation at Guadalupe Creek and Stevens Creek: Staff continues to coordinate the FAHCE Plus Pilot Flow Project for Guadalupe Creek and Stevens Creek initiated on October 1, 2020. The two-year Pilot Project provides storage-based releases from Guadalupe Reservoir and Stevens Creek Reservoir into Guadalupe and Stevens Creeks, respectively. Current flow releases are in accordance with the FAHCE Plus rule curves based on available reservoir storage.

Staff continues to monitor the reservoir storage and weather forecasts for both reservoirs

Staff will be discussing a 2-year report for this pilot flow implementation work at the upcoming Adaptive Management Team meeting.

**FAHCE Initialing Parties and Adaptive Management Meetings:**

In 2021, Santa Clara Valley Water District (Valley Water) convened three meetings of the FAHCE Initialing Parties on February 8, April 19 and June 24, 2021. On June 3, 2022, staff held a meeting the Initialing Parties and provided an update on FAHCE program, the associated EIRs and checked in on Memorandum of Agreement and the Settlement Agreement. Following the Initialing Parties' meeting, staff scheduled an Adaptive Management Team meeting to be held in late September 2022.

EIR Status: After categorizing and analyzing the various comment letters from the resource agencies, Initialing Parties, California Department of Transportation, environmental groups and interested members of the public, staff has convened a series of meetings to further analyze the comments, coordinate responses and identifying next steps for finalizing the EIR.

San Francisco Baykeeper's Petition of Intent: On August 9, 2022, San Francisco Baykeeper submitted a petition of intent to sue Santa Clara Valley Water District (Valley Water) over alleged violations concerning the operations of Valley Water's dams and diversions and urged Valley Water to immediately *modify operations of its system to allow the survival, and eventual recovery, of endangered Central California Steelhead, threatened fall run Chinook Salmon and other threatened and endangered species.*

**ATTACHMENTS:**

None

**UNCLASSIFIED MANAGER:**

John Bourgeois, (408) 314-8859



# Santa Clara Valley Water District

File No.: 22-1008

Agenda Date: 9/22/2022

Item No.: 4.3.

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## COMMITTEE AGENDA MEMORANDUM

### Stream Planning and Operations Committee

**SUBJECT:**

Receive update on Anderson Dam Seismic Retrofit Project and Incorporation of FAHCE Conservation Measures for Coyote Creek.

**RECOMMENDATION:**

Receive updates on the Anderson Dam Seismic Retrofit Project (ADSRP).

**SUMMARY:**

FAHCE and ADSRP work remains an ongoing effort. This includes continuing monthly coordination and collaboration with the resource agencies and partners in support of federal and state permits for ADSRP. Since the Stream Planning and Operations Committee (SPOC) was last updated on ADSRP progress on May 12, 2022, staff issued a notice to proceed to the contractor, Flatiron West Inc., on May 28, 2022, to proceed with construction of the Anderson Dam Tunnel Project (ADTP). The contractor has completed the placement of the soil nail wall. A total of 242 soil nails about 120 feet long have been installed. The rows of steel soil-nails were covered with 12-inches of concrete across roughly 15,000 square feet of hillside. This work to strengthen the hillside was a milestone in an overall effort to build a new outlet tunnel at Anderson Dam.

Following the soil nails wall placement, the tunnel portal was excavated into the soil nail concrete wall, with steel sets and shotcrete being placed to finish the tunnel portal, which will serve as the launch location for tunneling operations. The contractor has also begun excavation for the Diversion Outlet structure foundation closest to the soil nail wall/tunnel portal. The contractor will complete the Diversion Outlet structure foundation excavation in phases and will eventually pour the foundation once excavation has been completed. Work has also commenced on the construction of the High-Level Outlet Works shaft.

### Coordination with Resource Agencies

Staff continues to hold and participate in regular technical and permitting discussions with resource agencies for the Federal Energy Regulatory Commission (FERC) Ordered Compliance Project (FOCP) and ADSRP. These meetings include bimonthly interagency meetings, monthly Technical Work Group meetings, regular technical sub-group meetings for instream design work, and several single agency meetings with National Marine Fisheries Service, California Department of Fish and Wildlife, U.S. Fish and Wildlife, State Water Resources Control Board, Regional Water Quality Control Board, and U.S. Army Corp of Engineers to work through the permitting for the FOCP.

### ATTACHMENTS:

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**File No.:** 22-1008

**Agenda Date:** 9/22/2022  
**Item No.:** 4.3.

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Attachment 1: PowerPoint

**UNCLASSIFIED MANAGER:**

Christopher Hakes, 408-630-3796

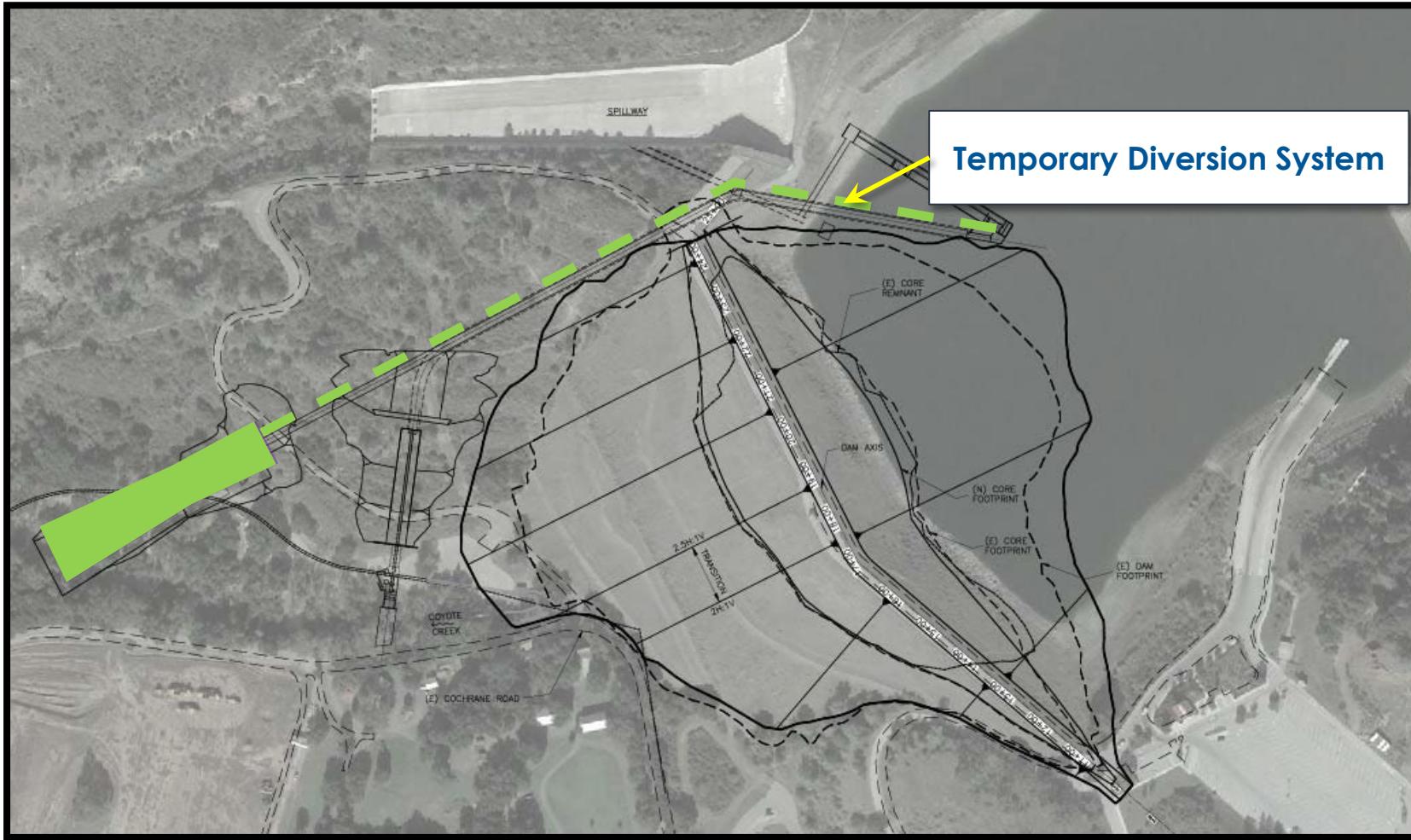


# Anderson Dam Tunnel Project

September 22, 2022

# Anderson Dam Tunnel Project Components

2



# Anderson Dam Tunnel Project (ADTP) – Prior to Work

3

Anderson Dam

Coyote Creek

Imagery date: 9/28/21 – newer    Google



# ADTP – In Progress

4

- Anderson Dam
- HLOW Drop Shaft
- Diversion Portal Entrance
- Coyote Creek



# Excavation and Grading

5



# Soil Nail Wall Installation

6

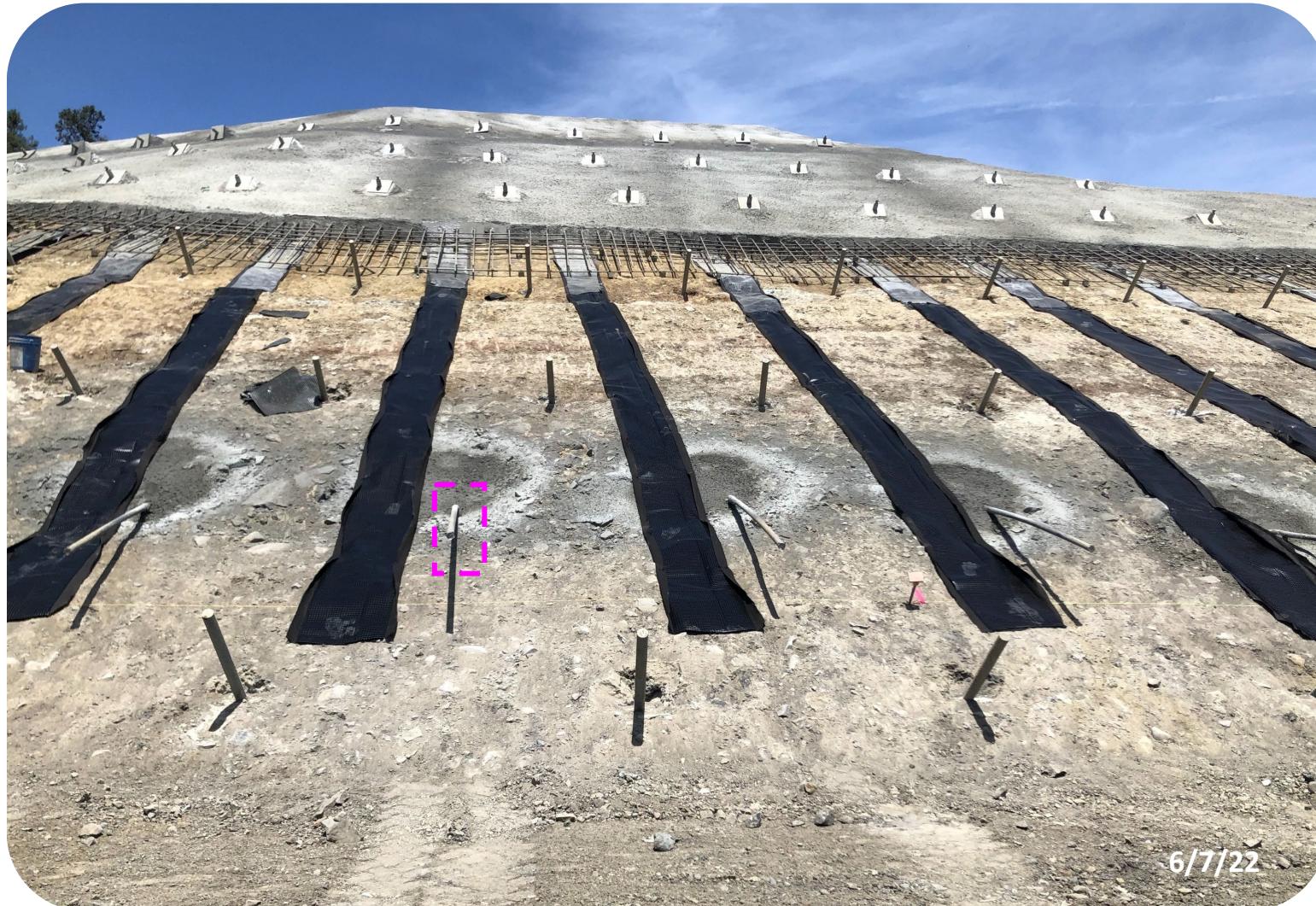


6/10/22

soil nail wall bottom = 300 linear feet

# Soil Nail Wall Installation – Cont.

7



## Hydraugers

- Completed installation early June 2022
- Consist of 80 PVC slotted pipe
- Placed near bottom of soil nail wall to expel water from soil behind the wall

## Soil Nail Wall

- Completed construction for Rows A through F (2:1 slope), end of June/early July
- 244 soil nails installed, measuring 20 ft, spaced 8 ft

## Diversion Portal Entrance

- Completed entrance end of June/early July
- Measures approximately 18.5 ft by 18.5 ft

## Diversion Outlet Structure (DOS)

- Upon completion, DOS will house two (2) 132-inch diameter fixed cone valves connecting to concrete-enclosed dissipation chambers that discharge into a channel leading into Coyote Creek



# Shaft Installation



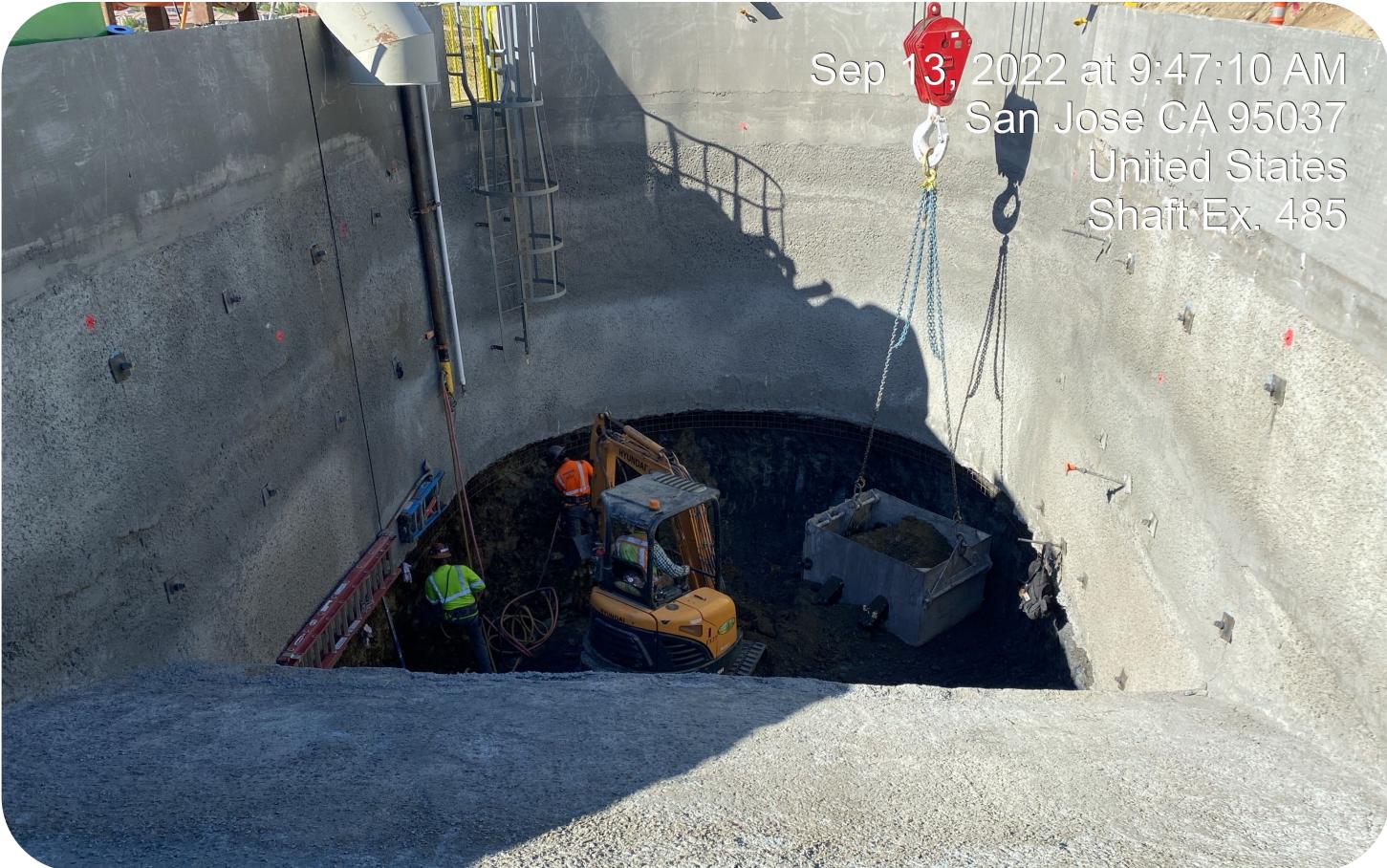
## High Level Outlet Works (HLOW) Drop Shaft

- Future feature of ADSRP
- Will provide ability to drawdown upper level of reservoir

9

# Shaft Installation – Cont.

10



## High Level Outlet Works (HLOW) Drop Shaft

- Fourth lift (shaft excavation)
- Bottom of lift is approximately 19 ft down from the ground surface
- Height of shaft will be approximately 89 ft



# Santa Clara Valley Water District

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File No.: 22-1010

Agenda Date: 9/22/2022

Item No.: 4.4.

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## COMMITTEE AGENDA MEMORANDUM

### Stream Planning and Operations Committee

#### **SUBJECT:**

Review Stream Planning and Operations Committee (SPOC) Work Plan and Outcomes of Board Action of Committee Requests.

#### **RECOMMENDATION:**

- A. Review 2022 SPOC work plan outcomes of Board action of Committee requests; and
- B. Schedule Committee meetings as appropriate.

#### **SUMMARY:**

This item allows the SPOC to review its 2022 Work Plan, outcomes of Board action of Committee requests, and identify tasks and schedule meetings as appropriate.

#### **ATTACHMENTS:**

Attachment 1: 2022 SPOC Work Plan

#### **UNCLASSIFIED MANAGER:**

Michele King, 408-630-2711

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## 2022 Stream Planning and Operations Committee Work Plan

The annual work plan establishes a framework for committee discussion and action during the annual meeting schedule. The committee work plan is a dynamic document, subject to change as external and internal issues impacting the District occur and are recommended for committee discussion. Subsequently, an annual committee accomplishments report is developed based on the work plan and presented to the District Board of Directors.

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHED DATE AND OUTCOME
1	<b>Election of Chair and Vice Chair for 2022</b>	January	<ul style="list-style-type: none"><li>Committee Elects Chair and Vice Chair for 2020 <b>(Action)</b></li></ul>	January 13, 2022
2	<b>Review Committee Work Plan, the Outcomes of Board Action of Committee Requests, and the Committee Next Meeting Agenda</b>	January March May July September November	<ul style="list-style-type: none"><li>Receive and review the 2022 Committee work plan <b>(Action)</b></li><li>Submit requests to the Board, as appropriate</li></ul>	January 13, 2022 March 10, 2022 May 12, 2022
3	<b>Receive updates on FAHCE progress and deliverables (including Initialing Parties and Adaptive Management Team meetings)</b>	January March May July September November	<ul style="list-style-type: none"><li>Receive updates on FAHCE activities and progress</li><li>Progress on addressing DEIR comments</li><li>Key updates on discussions with the AMT</li></ul>	January 13, 2022 March 10, 2022 May 12, 2002
4	<b>Discuss District and Non-District Projects and Other Activities that May Affect the FAHCE Settlement Agreement and Implementation</b>	January March May July September November	<ul style="list-style-type: none"><li>Receive information on activities affecting the FAHCE Settlement Agreement and Implementation, as needed.</li><li>Provide input on these activities to ensure their consistency with the intent of the FAHCE Settlement Agreement. <b>(Action)</b></li></ul>	January 13, 2022 - Singleton Road Cross @ Coyote Creek March 10, 2022 – FAHCE Fish Monitoring Program May 12, 2022 - Overview of fish restoration measures completed in Coyote Creek, Guadalupe River and Stevens Creek watershed areas

5	<b>Receive update on Anderson Dam Seismic Retrofit Project and Incorporation of FAHCE Conservation Measures for Coyote Creek</b>	January March May July September November	<ul style="list-style-type: none"> <li>• Receive updates on the incorporation of FAHCE Conservation Measures for the Coyote Creek Watershed by the Anderson Dam Seismic Retrofit Project. <b>(Information)</b></li> </ul>	January 13, 2022 March 10, 2022 May 12, 2022
6	<b>Receive updates on consultant contracts for FAHCE</b>	As Needed		January 13, 2022
7	<b>Field Tour</b>	TBD	<ul style="list-style-type: none"> <li>• Attend an annual field tour of a FAHCE or FAHCE related site; invite public</li> </ul>	