



Board of Directors  
Bruce E. Dandy, President  
Sheldon G. Berger, Vice President  
Lynn E. Maulhardt, Secretary/Treasurer  
Mohammed A. Hasan  
Catherine P. Keeling  
Gordon Kimball  
Daniel C. Naumann

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**AGENDA**  
**REGULAR BOARD MEETING**

**Wednesday, February 8, 2023, 12:00 P.M.**  
**Board Room, UWCD Headquarters**  
**1701 N. Lombard Street, Oxnard CA 93030**

**BOARD MATTERS**

*Normally, Action (Motion) Items will be considered and acted upon separately; Consent Items will be considered and acted upon collectively, although a Consent Item may be considered and acted upon separately; and Information Items will be considered separately without action.  
The Board of Directors in its discretion may change the order of agenda items.*

**1. FIRST OPEN SESSION 12:00 P.M.**

Items to be discussed in Executive (Closed) Session will be announced.

**1.1 Public Comments**  
**Information Item**

Members of the public may address the Board on any matter on the Closed Session agenda or on any non-agenda item within the jurisdiction of the Board. All comments are subject to a five-minute time limit.

**1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.**

The Board will discuss matters outlined in the attached Executive (Closed) Session Agenda (Exhibit A).

**2. SECOND OPEN SESSION AND CALL TO ORDER 1:00 P.M.**

**2.1 Pledge of Allegiance**

**2.2 Public Comment**  
**Information Item**

Members of the public may address the Board on any item on the Consent Calendar or on any non-agenda item within the jurisdiction of the Board. No action will be taken by the Board on any non-agenda item. All comments are subject to a five-minute time limit.

**2.3 Approval of Agenda**  
**Motion**

**2.4 Oral Report Regarding Executive (Closed) Session**  
**Information Item**

Presented by District Legal Counsel David D. Boyer.

**2.5 Board Members' Activities Report**

**Information Item**

The Board will receive and file information regarding meeting participation provided by each of the Board Members through Monthly Activities (aka per diem) Reports.

**2.6 Presentation of Proclamation to Ventura County Sherriff Senior Deputy Cesar Salas**

**Ceremonial Item**

The Board will acknowledge the contributions of Ventura County Sherriff Senior Deputy Cesar Salas and present him with a UWCD Proclamation in recognition of his retirement in March 2023.

**2.7 Staff Service Awards, Part II 2022**

**Ceremonial Item**

The Board will present service awards to:

Peter Cervantez – 5 years

Kelly Johnson – 15 years

Bryan Schaffer – 15 years

**2.8 General Manager's Report**

**Information Item**

The General Manager will present information on his activities of possible interest to the Board and that may have consequence to the District.

**2.9 Standing Committee Assignments and Appointments of Board Representation to Outside Agencies**

**Information Item**

The Board President will designate 2023 Standing Committee assignments for the Board.

**2.10 Public Hearing**

**Proposed Ordinance No. 27 - Consideration to Increase the Compensation of the Board of Directors**

**Motion**

Open Public Hearing and receive public comments on the proposed adoption of Ordinance No. 27, approving an increase in the Board of Director's per diem from \$248 to \$260 per day. After receiving public comments, the Board may move to close the Public Hearing and agendize adoption of Ordinance No. 27 at the March 8, 2023 Regular Board meeting. If approved at the March 8, 2023 Regular Board meeting, the increase in the Director's per diem will take effect in 60 days (May 8, 2023).

- 3. CONSENT CALENDAR: All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)**

**A. Approval of Minutes**

**Motion**

Approval of the Minutes for the Regular Board Meeting of January 11, 2023 and the Emergency Special Board Meeting of January 24, 2023.

**B. Groundwater Basin Status Reports**

**Information Item**

Receive and file Monthly Hydrologic Conditions Report for the District.

**C. Monthly Investment Report**

**Information Item**

Report on the District's investments and the availability or restriction of these funds. All investments are in compliance with the District's investment policy, which is reviewed and approved annually by the Board.

**4. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)**

**Operations and Maintenance Department – Brian Collins**

**4.1 Monthly Operation and Maintenance Department Report**

**Information Item**

Summary report on monthly activities of the Operations and Maintenance Department, including but not limited to the District's facilities (Santa Felicia Dam and hydroplant; the Piru Groundwater Recharge facility; the Freeman Diversion; the Saticoy and El Rio Groundwater Recharge facilities; the Pleasant Valley and Pumping Trough Pipeline systems; and the Oxnard Hueneme Pipeline system), encompassing operating plans, the quantity and quality of water diverted and delivered, fish ladder operations, major maintenance problems and repairs, status of Operations and Maintenance projects and safety and training issues.

**Park and Recreation Department – Clayton Strahan**

**4.2 Monthly Park and Recreation Department Report**

**Information Item**

Summary report on monthly activities of the Park and Recreation Department, including but not limited to the Lake Piru Recreation Area, encompassing camping and boating policies at the lake; operations and activities; financing and status of facility improvement projects; maintenance activities; security issues; and emergency response activities.

**Water Resources Department – Dan Detmer**

**4.3 Monthly Water Resources Department Report**

**Information Item**

Summary report on the monthly activities of the Water Resources Department including but not limited to updates to the Ventura Regional Groundwater Flow Model; brackish water treatment feasibility study; upper Santa Clara River Chloride TMDL; hydrologic and well conditions statewide and locally; available Forebay storage; Ventura County well ordinance update; Fox Canyon GMA issues; City of Oxnard's recycled water program; potential water supply and recycled water projects, including use of United's terminal reservoirs; and various user groups (including but not limited to Oxnard Plain and Pumping Trough Pipeline groups) and the activities of the three local Groundwater Sustainability Agencies (GSAs) – Mound Basin GSA, Fillmore and Piru Basins GSA, and the Fox Canyon Groundwater Management Agency, for which the District serves as a member director and the Santa Paula basin (adjudicated) Technical Advisory Committee.

**Administrative Services Department – Brian Zahn and Josh Perez**

**4.4 Monthly Administrative Services Department Report – Josh Perez and Brian Zahn**

**Information Item**

Summary report on the monthly activities of the Administrative Services Department including but not limited to issues associated with budget development, financial performance versus budget plan, financial accounting requirements and procedures, potential debt issuance and related financial services, status of District investments and reserves, updates on its capital improvement programs, human resources and safety, District property and facilities maintenance and administration, District records and reports, groundwater extraction statements administration, risk management and District liability insurance matters, management of District contracts, policy development, governance procedures, and supporting activities of Board and staff.

**Engineering Department – Dr. Maryam Bral**

**4.5 Monthly Engineering Department Report**

**Information Item**

Summary report on the monthly activities of the Engineering Department, including but not limited to water resources, planning efforts and department programs impacting the District, such as project design and construction; dam safety; FERC license compliance; Freeman Diversion; recycled water; pipeline operations and various engineering analysis.

**Environmental Services Department – Linda Purpus**

**4.6 Monthly Environmental Services Department Report  
Information Item**

Summary report on the monthly activities of the Environmental Services Department, including but not limited to environmental and regulatory issues of note to the District, water releases, operations of the fish ladder at the Freeman Diversion, various monitoring efforts, study plans and issues associated with the Endangered Species Act, including the Section 10 MSHCP process, future fish passage requirements, compliance with the District's FERC license/Biological Opinion, the Santa Felicia Dam, studies and operations in and near Piru Creek, and any interactions with Rancho Temescal and Rancho Camulos.

**5. MOTION ITEMS (By Department)**

**Environmental Services Department – Linda Purpus**

**5.1 California Environmental Quality Act Support for the Increased Importation of State Water Project Water – Amendment to Professional Consulting Services Agreement with Stantec Consulting Services, Inc. - \$286,288**

**Motion**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Stantec Consulting Services, Inc. (Stantec) in the amount of \$286,288 to complete technical studies and provide additional support to United in the development of California Environmental Quality Act (CEQA) documentation for the pursuit of increased State Water Project (SWP) water imports to Lake Piru.

**5.2 Freeman Diversion Multiple Species Habitat Conservation Plan – Amendment to Professional Consulting Services Agreement with Stillwater Sciences - \$230,000**

**Motion**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Stillwater Sciences (Stillwater) in the amount of \$230,000 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

**5.3 Freeman Diversion Multiple Species Habitat Conservation Plan – Amendment to Professional Consulting Services Agreement with Rincon Consultants - \$215,381**

**Motion**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Rincon Consultants (Rincon) in the amount of \$215,381 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan

(MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

**5.4 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Consulting Services Agreement with ICF Jones  
& Stokes, Inc. - \$124,721**

**Motion**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with ICF Jones & Stokes, Inc. (ICF) in the amount of \$124,721 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

**Park and Recreation Department – Clayton Strahan**

**5.5 Authorize an Amendment to the Licensing Agreement between United Water Conservation District (District) and Tommy's Boats LLC for Marina and Boat Rental Services at the Lake Piru Recreation Area**

**Motion**

The Board will consider approving the attached licensing agreement amendment between the District and Tommy's Boats, LLC and authorize the General Manager to execute the agreement on behalf of the Board of Directors

**6. BOARD OF DIRECTORS READING FILE**

**7. FUTURE AGENDA ITEMS**

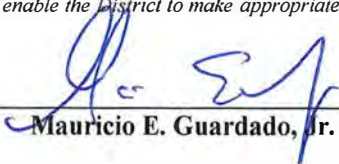
**8. ADJOURNMENT**

The Board will adjourn to the **Regular Board Meeting scheduled for Wednesday, March 8, 2023** or call of the President.

*All testimony given before the Board of Directors is recorded. Materials, which are non-exempt public records and are provided to the Board of Directors to be used in consideration of the above agenda items, including any documents provided subsequent to the publishing of this agenda, are available for inspection at the District's offices at 1701 N. Lombard Street, Suite 200, Oxnard CA 93030 during normal business hours.*

*The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participation in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda materials in an alternative format, please contact the District Office at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.*

Approved: \_\_\_\_\_

  
Mauricio E. Guardado, Jr. – General Manager

Posted: (date) February 3, 2023

(time) 11:30a.m.

(attest) *Kris Sofley*

At: United Water Conservation District Headquarters, 1701 N. Lombard Street, Oxnard CA 93030

Posted: (date) February 3, 2023

(time) 11:45a.m.

(attest) *Kris Sofley*

At: [www.unitedwater.org](http://www.unitedwater.org)

**EXHIBIT A**  
**EXECUTIVE (CLOSED) SESSION AGENDA**

**1. LITIGATION**

**1.1 Conference with Legal Counsel-Anticipated Litigation**

Pursuant to Government Code Section 54956.9(d)(2), one (1) case.

**1.2 Conference with Legal Counsel – Existing Litigation**

Pursuant to Government Code Section 54956.9 (d)(1)

- A. City of San Buenaventura v. United Water Conservation District, et al, Santa Barbara County Superior Court Case No. 19CV06168, pending before the Court of Appeal of the State of California, Second Appellate District, Division 6, Court of Appeal No. B312471.
- B. Wishtoyo Foundation, et al v. United Water Conservation District, U.S. District Court for the Central District of California, Case No.2:16-cv-03869 GHK (PLAx).
- C. OPV Coalition v Fox Canyon Groundwater Management Agency, Superior Court of the State of California, County of Ventura, Case No. 56-2021-00555357-CU-PT-VTA; Complaint for Comprehensive Groundwater Adjudication of the Oxnard Groundwater Subbasin (No. 4-004.02) and Pleasant Valley Subbasin (No. 4-006) Pursuant to Sections 830, *Et Seq.* of the Code of Civil Procedure; Declaratory Relief; Quiet Title; and Petition for Writs of Mandate.
- D. United Water Conservation District v United States, U.S. Court of Federal Claims, Case No. 22-542L; Complaint for Just Compensation under the 5<sup>th</sup> Amendment.
- E. United Water Conservation District v. California Fish and Game Commission, Los Angeles County Superior Court Case No. 2STCP02661; Petition for Writ of Mandate (CESA)
- F. Wishtoyo Foundation, et al. v. United Water Conservation District, U.S. District Court for the Central District of California, Case No. 2:22-cv-08657 DOC (PLAx)



**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Kris Sofley, Clerk of the Board

**Date:** February 1, 2023 (February 8, 2023 Meeting)

**Agenda Item:** 2.5 Board Members' Activities Reports  
**Information Item**

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**Staff Recommendation:**

The Board will receive and file information regarding meeting participation provided by each of the Board of Directors through Monthly Activities (aka per diem) Reports.

**Discussion:**

This item is provided on the agenda of each regular District Board of Directors meeting in order to allow Directors to report on non-agenda activities such as:

1. UWCD Committee participation – Committee Chair to report on Committee's objectives and actions to Board.
2. Meetings, workshops, conferences and functions attended during the previous month on behalf of the District.
3. Possible conflicts that Directors might have with respect to issues on the Agenda.

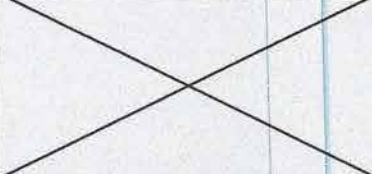
Attachments: A – Directors' Monthly Activities Reports (per diem)  
B - 2023 AWA VC Calendar of Meetings and Events



**Board of Directors**  
**Activities and Expenses for Month** January **Year** 2023

Due on last day of month

Director: Sheldon Berger

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.		<b>Date</b>	<b>Mileage</b>	
		1/11	20	
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.	<b>Committee Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
	Execurtive	1/10	-	
	Executive	1/24	20	
	AD Hoc	1/24	20	
<b>3. Meeting with GM or District Legal Counsel (LC)</b>	<b>W/ GM or LC</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.	<b>Event Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.	<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
	AWA Board	1/5	-	
	AWA Water Wise	1/19	20	
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.	<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
	Dr. Mathis	1/9	-	
	Dr Mathis	1/31	-	
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.	<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
<b>8. Public meetings hosted by District regarding District matters</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	

**Board of Directors**  
**Per Diem and Expenses for Month** January **Year** 2023

Due on last day of month

9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00
Total # of meetings**		x \$248	\$
**not to exceed 10 meetings and \$2,260. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles		x \$0.625/mile	\$
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			<b>\$</b>

Director Signature



Date: 2/2/23

General Manager Signature

Date: \_\_\_\_\_

**Definitions**

BoD: Board of Directors

BP: Board President

GM: General Manager

**Board of Directors**  
**Activities and Expenses for Month January Year 2023**

Due on last day of month

Director: Bruce Dandy

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.			<b>Date</b>	<b>Mileage</b>
			1/11	8
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.		<b>Committee Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
		Executive	1/24	8
		AD HOC	1/25	8
<b>3. Meeting with GM or District Legal Counsel (LC)</b>	<b>W/ GM or LC</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
	GM	Mauricio/Dr. Bill	1/9	22
	GM	Board Prep	1/10	8
	GM	Dr. Mathis	1/30	
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.		<b>Event Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
		AWA Waterwise	1/19	8
		VCAWA	1/17	8
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>8. Public meetings hosted by District regarding District matters</b> Such as Section 10 HCP, Vern Freeman Fish Panel.		<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>

**Board of Directors**  
**Per Diem and Expenses for Month January Year 2023**

Due on last day of month

9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00
Total # of meetings**	8	x \$248	\$ 1,984.00
**not to exceed 10 meetings and \$2,480. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles	70	x \$0.655/mile	\$ 45.85
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			<b>\$ 2,079.85</b>

Director Signature

*Bruce Dandy*

Date: 2/1/23

General Manager Signature

Date: \_\_\_\_\_

**Definitions**

BoD: Board of Directors

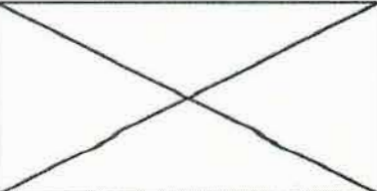
BP: Board President

GM: General Manager

**Board of Directors**  
**Activities and Expenses for Month** 1 **Year** 23

Due on last day of month

Director: Mohammed Hasan, P.E.

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.			<b>Date</b>	<b>Mileage</b>
			1-11	12
			1-24	12
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.		<b>Committee Name &amp; Location</b> Finance	<b>Date</b>	<b>Mileage</b>
			1-9	12
<b>3. Meeting with GM or District Legal Counsel (LC)</b>	<b>W/ GM or LC</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.		<b>Event Name &amp; Location</b> Dr. Mathis Ventura Chamber	<b>Date</b>	<b>Mileage</b>
			1-31	
			1-18	9
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.		<b>Entity Name &amp; Location</b> AWA water issues AWA waterwise	<b>Date</b>	<b>Mileage</b>
			1-17	12
			1-19	12
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>8. Public meetings hosted by District regarding District matters</b> Such as Section 10 HCP, Vern Freeman Fish Panel.		<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>

**Board of Directors**  
**Per Diem and Expenses for Month** 1 **Year** 23

Due on last day of month

9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00
Total # of meetings**	7	x \$248	\$ 1736.00
**not to exceed 10 meetings and \$2,480. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles	69	x \$0.655/mile	\$ 45.20
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			<b>\$ 1831.20</b>

Director Signature

Mohamed Hasan Date: 1-31-23

General Manager Signature

Date: \_\_\_\_\_

**Definitions**

BoD: Board of Directors

BP: Board President

GM: General Manager

**Board of Directors**  
**Activities and Expenses for Month \_\_\_\_\_ Year \_\_\_\_\_**

Due on last day of month

Director: \_\_\_\_\_

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.			<b>Date</b>	<b>Mileage</b>
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.		<b>Committee Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>3. Meeting with GM or District Legal Counsel (LC)</b>	<b>W/ GM or LC</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.		<b>Event Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>
<b>8. Public meetings hosted by District regarding District matters</b> Such as Section 10 HCP, Vern Freeman Fish Panel.		<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>



**Board of Directors**  
**Per Diem and Expenses for Month \_\_\_\_\_ Year \_\_\_\_\_**

Due on last day of month

9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00
Total # of meetings**		x \$248	\$
**not to exceed 10 meetings and \$2,480. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles	72	x \$0.655/mile	\$ 47.16
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			<b>\$ 1089.16</b>

Director Signature



Date: 01/31/23

General Manager Signature

Date: \_\_\_\_\_

**Definitions**

BoD: Board of Directors

BP: Board President

GM: General Manager



**Board of Directors**  
**Activities and Expenses for Month** January **Year** 2023

Due on last day of month

Director: Lynn E. Maulhardt

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.		<b>Date</b> Jan 11 Jan 24 SBM	<b>Mileage</b> 3.2 3.2	
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.	<b>Committee Name &amp; Location</b> Engineering and Operations Executive Committee Executive Committee Water Resources Committee (Feb)	<b>Date</b> Jan 5 Jan 10 Jan 24 Jan 31	<b>Mileage</b> 3.2 3.2  3.2	NA
<b>3. Meeting with GM or District Legal Counsel (LC)</b>	<b>W/ GM or LC</b> GM and LC	<b>Meeting Description &amp; Location</b> Meeting with Director Naumann	<b>Date</b> Jan 31	NA
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.	<b>Event Name &amp; Location</b> AWA WaterWise	<b>Date</b> Jan 19	<b>Mileage</b> 3.2	
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.	<b>Entity Name &amp; Location</b> FCGMA Special Board Meeting FCGMA Prep Meeting FCGMA Board Meeting	<b>Date</b> Jan 13 Jan 24 Jan 25	<b>Mileage</b> 28  28	NA
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.	<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.	<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
<b>8. Public meetings hosted by District regarding District matters</b> Such as Section 10 HCP, Vern Freeman Fish Panel.	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	

**Board of Directors**  
**Per Diem and Expenses for Month** January **Year** 2023

Due on last day of month

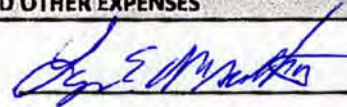
9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00
Total # of meetings**	8	x \$248	1,984.00
\$*not to exceed 10 meetings and \$2,480. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles	75.2	x \$0.655/mile	\$ 49.26
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			<b>\$ 2083.26</b>

Director Signature



Date: 01/1/23

General Manager Signature

Date: \_\_\_\_\_

**Definitions**

BoD: Board of Directors

BP: Board President

GM: General Manager

**Board of Directors**  
**Activities and Expenses for Month** January **Year** 2023

Due on last day of month

Director: Daniel C. Naumann

<b>1. UWCD Board Meetings</b> Regular, special or emergency meetings.			<b>Date</b>	<b>Mileage</b>		
			Jan 11	12	✓	
			Jan 24 SBM	12	✓	
<b>2. UWCD Committee/Advisory Body Meetings</b> Environmental, Executive, Finance/Audit, Groundwater, Operations, Planning, Recreation and RiverPark JPA Committees.		<b>Committee Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		
		Engineering and Operations Committee	Jan 5	12	✓	
		ad hoc Legislative Committee	Jan 25	12	✓	
		Water Resources Committee	Jan 31 (Feb)	12	✓	
<b>3. Meeting with GM or District Legal Counsel (LC)</b>		<b>W/ GM or LC</b>	<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>	
		GM	Dinner meeting w/Dandy, Dr. Mathis	Jan 9	12.6	✓
<b>4. Conferences/Trainings.</b> Includes conferences or educational activities organized by ACWA, AWAVC & CSDA.		<b>Event Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		
		AWA VC WaterWise (NOAA)	Jan 19	12	✓	
<b>5. Appointed representative to meetings of other entities' Boards.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA and GSA. Or preparatory meetings with GM regarding above meetings.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		
<b>6. Meetings of other government entities at request of BoD, BP or GM.</b> Such as PVCWD, FCGMA or Oxnard City Council.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		
<b>7. Meetings with board members or executive management of other agencies.</b> Includes FCGMA, LAFCO, RiverPark JPA, AWAVC BoD, Oxnard Chamber of Commerce Water Committee, ACWA, CSDA, GSA.		<b>Entity Name &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		
<b>8. Public meetings hosted by District regarding District matters</b> Such as Section 10 HCP, Vern Freeman Fish Panel.		<b>Meeting Description &amp; Location</b>	<b>Date</b>	<b>Mileage</b>		

**Board of Directors**  
**Per Diem and Expenses for Month** January **Year** 2023


Due on last day of month

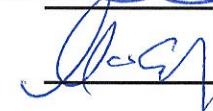
9. Meetings with state or federal legislators or officials or representatives from other entities.  At the request of the BoD, BP or GM.	Official Name/Meeting Description & Location	Date	Mileage

Other Expenses	Total
Days of out of town travel	
Lodging*	\$
Meals*	\$
Transportation*	\$
Misc.*	\$

\* attach all receipts

This section to be completed by Finance Department only			
Phone Allowance			\$50.00 ✓
Total # of meetings**	7	x \$248	\$ 1,736.00 ✓
**not to exceed 10 meetings and \$2,480. per month or 1 meeting per day			
Total days of travel		x \$100.00/day	
Total # of miles	84.6	x \$0.665/mile	\$ 56.26 ✓
Total other expenses			\$
<b>TOTAL MILEAGE AND OTHER EXPENSES</b>			\$ 1,842.26 ✓

Director Signature  Date: 1-31-23

General Manager Signature  Date: 2/7/23

**Definitions**

BoD: Board of Directors

BP: Board President

GM: General Manager





## 2023 CALENDAR OF EVENTS

DATES ARE SUBJECT TO CHANGE

Meeting Event notices with all details will be sent via email prior to each occurrence. Contact AWA for more information

<b>JANUARY</b>	5	Board Meeting	3:00 pm, Thursday	(Hybrid)
	17	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	19	<b>WaterWise Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	25	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>FEBRUARY</b>	2	Executive Committee Meeting	3:00 pm, Thursday	(Hybrid)
	16	<b>WaterWise Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	21	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	22	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>MARCH</b>	2	Board Meeting (Annual Meeting-Elections)	3:00 pm, Thursday	(Hybrid)
	16	<b>WaterWise Program (Installation/Directors)</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	21	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	22	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>APRIL</b>	6	Executive Committee Meeting	3:00 pm, Thursday	(Hybrid)
	20	<b>Annual Water Symposium &amp; Exposition (Hybrid)</b>	<b>8:00am–2:00pm, Thurs.</b>	Courtyard Marriott Oxnard?
	20	<b>Operators Tech Workshop &amp; Exposition</b>	<b>8:00 am-3:30pm, Thurs.</b>	Courtyard Marriott Oxnard?
<b>MAY</b>	4	Board Meeting	3:00 pm, Thursday	(Hybrid)
	16	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	18	<b>WaterWise Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	24	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
	—	Math Workshop: Water Distribution Exam Review	8:30am–Noon	(Virtual?)
<b>JUNE</b>	1	Executive Committee Meeting	3:00 pm, Thursday	(Hybrid)
	15	WaterWise Program	8:00 am, Thursday	(Hybrid)
	20	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	28	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>JULY</b>	6	Board Meeting	3:00 pm, Thursday	(Hybrid)
	18	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	20	<b>WaterWise Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	26	<b>Channel Counties/Water Systems</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>AUGUST</b>		<b>DARK</b>		
<b>SEPTEMBER</b>	7	Board Meeting	3:00 pm, Thursday	(Hybrid)
	*14	<b>Reception for Members/Elected Officials</b>	<b>4:00 pm, Thursday</b>	(In-Person Members/Guests)
	19	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	27	<b>Channel Counties/Water Systems Luncheon</b>	<b>8:00 am, Wednesday</b>	(Virtual)
	—	VCFD/AWA Confined Space Training	8:00 am - Noon	(VCFD / In-Person)
	—	Math Workshop: Water Treatment Exam Review	8:30am–Noon	(Virtual?)
<b>OCTOBER</b>	5	Executive Committee Meeting	3:00 pm, Thursday	(Hybrid)
	17	Water Issues Committee	8:00 am, Tuesday	(Hybrid/Members Only)
	19	<b>WaterWise Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	25	<b>Channel Counties/Water Systems Luncheon</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>NOVEMBER</b>	2	Board Meeting	3:00 pm, Thursday	(Hybrid)
	16	<b>WaterWise Breakfast Program</b>	<b>8:00 am, Thursday</b>	(Hybrid)
	21	Water Issues Committee	7:00 am, Tuesday	(Hybrid/Members Only)
	29	<b>Channel Counties/Water Systems Lunch</b>	<b>8:00 am, Wednesday</b>	(Virtual)
<b>DECEMBER</b>	7	Executive Committee Meeting	3:00 pm,	(Hybrid)
	7	<b>Holiday Mixer/Corporate Night</b>	<b>5:00 pm, Tuesday</b>	(Members/Guests In-Person)

\* Indicates change from typical event date



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Clayton W. Strahan, Chief Park Ranger

**Date:** January 25, 2023 (February 8, 2023 meeting date)

**Agenda Item:** 2.6 Presentation of Proclamation to Ventura County Sherriff Senior Deputy Cesar Salas  
**Ceremonial Item**

---

The Board will acknowledge the numerous contributions of Ventura County Sherriff Senior Deputy Cesar Salas to the Lake Piru Recreation Area visitors and staff and United Water Conservation District (UWCD) management and staff over the past two decades by presenting him with a UWCD Proclamation in recognition of his service, leadership, and commitment to public safety on the occasion of his retirement from the Ventura County Sherriff's Department in March 2023.

Senior Deputy Cesar Salas took an oath when he was hired as a Ventura County Sherriff to "Preserve, Protect and Defend the Constitution," an oath he never broke, and has upheld the mission of the Ventura County Sheriff's Office to safeguard the lives and property of residents of Ventura County and respond to public concerns in a manner which is fair, unbiased, lawful and promotes neighborhoods free from crime.

A man of integrity, honor and dedication, Senior Deputy Cesar Salas has compassionately served the residents of Ventura County and the guests of the Lake Piru Recreation Area, even volunteering for additional duties at Lake Piru during major holidays and events, taking time away from his family to assist the District's Park Rangers. Held in high esteem by the Lake Piru Park Rangers, Senior Deputy Cesar Salas has always demonstrated a strong ability to proactively prevent crimes by utilizing his knowledge of the Lake and by working cohesively with the Lake Piru Park Rangers and the public, always demonstrated a "follow me" leadership style for the Lake Piru Park Ranger staff.

Working tirelessly alongside the Lake Piru Park Rangers to provide a safe and meaningful experience for several hundred thousand Lake Piru visitors during his career, the United Water Conservation District Board of Directors, along with the full support of the management and staff of the United Water Conservation District including the Lake Piru Recreation Area Park Rangers and staff as well as the residents of the community, congratulate Senior Deputy Cesar Salas on his honorable retirement and thank him for his immeasurable service and his unwavering support of Lake Piru Park Ranger staff.

**2.6 Presentation of Proclamation to Ventura County Sherriff Senior  
Deputy Cesar Salas  
Ceremonial Item**

---

**Fiscal Impact:**

There is no fiscal impact as a result of this proclamation.

**Attachment A: UWCD Proclamation for Ventura County Sherriff Senior Deputy  
Cesar Salas**

**Ventura County Sheriff's Office,  
SENIOR DEPUTY CESAR SALAS,  
In Recognition of His Retirement**

WHEREAS Senior Deputy Cesar Salas was hired as a Sheriff's Senior Deputy for the County of Ventura in 1994 and has served the residents of Ventura County tirelessly for 29 years; and

WHEREAS Senior Deputy Cesar Salas upheld the mission of the Ventura County Sheriff's Office to safeguard the lives and property of residents of Ventura County and respond to public concerns in a manner which is fair, unbiased, lawful and promotes neighborhoods free from crime; and

WHEREAS Senior Deputy Cesar Salas took an oath when he was hired to, "Preserve, Protect and Defend the Constitution," an oath he never broke; and

WHEREAS Senior Deputy Cesar Salas, a man of integrity, honor and dedication has not only passionately served the residents of Ventura County but the guests of the Lake Piru Recreation Area; and

WHEREAS Senior Deputy Cesar Salas routinely volunteered for additional duties and details at Lake Piru Recreation Area during major holidays and events, taking time away from his family to assist the District's Park Rangers; and

WHEREAS Senior Deputy Cesar Salas, during his tenure in working with the Park Rangers at Lake Piru, has always demonstrated a strong ability to proactively prevent crimes by his knowledge of the Lake and by working cohesively with the Lake Piru Park Rangers and the public; and

WHEREAS Senior Deputy Cesar Salas has always demonstrated a "follow me" leadership style for the Lake Piru Park Ranger staff to follow; and

WHEREAS Senior Deputy Cesar Salas is revered by the Lake Piru Park Rangers and viewed as a mentor and a reliable leader for Lake Piru Ranger staff to model themselves after; and

WHEREAS Senior Deputy Cesar Salas worked tirelessly along the Lake Piru Park Rangers to provide a safe and meaningful experience for several hundred thousand Lake Piru visitors during his career.

NOW, THEREFORE, I, Bruce E. Dandy, President of the United Water Conservation District Board of Directors, along with the full support of the Board, management and staff of the United Water Conservation District including the Lake Piru Recreation Area Park Rangers and staff as well as the residents of the community, do hereby congratulate Senior Deputy Cesar Salas on his honorable retirement and thank him for his service and his unwavering support of our Lake Piru Park Ranger staff.

Attest: \_\_\_\_\_  
Bruce E. Dandy, president





**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager Josh

**From:** Perez, Human Resources Manager

**Date:** January 4, 2023 (February 8, 2023 meeting)

**Agenda Item:** 2.7 Staff Service Awards Part II 2022  
**Ceremonial item**

---

**Staff Recommendation:**

Present service awards to staff for service through the end of 2022.

**Discussion:**

The following staff members have earned longevity of service awards in the past year:

**5 Years**

**Peter Cervantez**

**15 Years**

**Kelly Johnson**  
**Bryan Schaffer**



### **Staff Report**

**To:** UWCD Board of Directors

**From:** Mauricio E. Guardado, Jr., General Manager

**Date:** January 4, 2023 (February 8, 2023 meeting)

**Agenda Item:** 2.8 General Manager's Report  
**Information Item**

---

#### **Staff Recommendation:**

The General Manager will present information on his activities of possible interest to the Board and that may have consequences to the District.

#### **Discussion:**

The General Manager's primary responsibility is to ensure that the policies and directions of the Board of Directors are adhered to as he oversees and manages the efforts of the department managers and their staff in the day-to-day operation and administration of the District. All of these efforts are to be consistent with the District's Mission Statement and within the fiscal constraints set by the Board of Directors.

The District's managers provide detailed monthly updates to the Board of Directors which outline projects' statuses, accomplishments, issues of concern, projects planning, etc. The monthly General Manager's report provides an opportunity for the General Manager to discuss issues that may impact the efforts of the separate departments as they pursue their defined goals and objectives. The report also provides the Board with information on the District's efforts and involvement in local, regional and state-wide issues.

Finally, the monthly General Manager's report offers the Board of Directors an overview of how their policies and directions are being administered through discussion of the work plan and efforts of the General Manager.



**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Kris Sofley, Clerk of the Board

**Date:** January 26, 2023 (February 8, 2023 meeting)

**Agenda Item:** 2.9 Standing Committee Assignments and Appointments of Board  
Representation to Outside Agencies  
**Information Item**

---

**Staff Recommendation:**

The Board President will designate 2023 Standing Committee schedules and assignments to the Board.

Attachment A – UWCD 2023 Standing Committee Assignments and Appointments of Board  
Representatives to Outside Agencies



# United Water

## CONSERVATION DISTRICT

### 2023 ROSTER OF COMMITTEES

Effective February 8, 2023

#### STANDING COMMITTEES

**EXECUTIVE COMMITTEE:** [GM] Overall responsibility  
for Governance Issues and HR/Personnel policies

President: Bruce E. Dandy

Vice President: Sheldon G. Berger

Sec./Treasurer: Lynn E. Maulhardt

Meets as appropriate

**ENGINEERING & OPERATIONS COMMITTEE:**

[AGM, Chief Engineer, Operations & Maintenance  
Manager] Projects, Operations, Permits, Planning, Equipment, Dam  
Safety, Facilities

**Chair:** 1 Lynn E. Maulhardt

2 Catherine P. Keeling

3 Daniel C. Naumann

Meets 1<sup>st</sup> Thursday of the Month

**FINANCE & AUDIT COMMITTEE:** [AGM, CFO]  
Budgets, Rates, Audit, Appropriations, and Grant Administration; HR/ Risk  
Management and IT

**Chair:** 1 Lynn E. Maulhardt

2 Sheldon G. Berger

3 Catherine P. Keeling

Meets 9 days before the Regular Monthly Board Meeting

**RECREATION COMMITTEE** [Chief Park Ranger]  
Lake Piru Recreation Area, Park Ranger Staff, Concessionaire

**Chair:** 1. Sheldon G. Berger

2. Daniel C. Naumann

3. Gordon Kimball

Meets 1<sup>st</sup> Wednesday of the Month

**WATER RESOURCES COMMITTEE:** [Chief  
Engineer] Groundwater, Surface Water, Water Quality and Modeling,  
Overdraft, Seawater Intrusion, Replenishment, FCGMA, GSAs

**Chair:** 1 Daniel C. Naumann

2 Mohammed Hasan

3 Gordon Kimball

Meets 1<sup>st</sup> Tuesday of the Month

#### UWCD REPRESENTATIVES

**ACWA JPIA BOARD OF DIRECTORS**

Bruce E. Dandy

Alternate: Mauricio E. Guardado Jr

**COALITION OF LABOR, AGRICULTURE  
AND BUSINESS OF VENTURA COUNTY  
(CoLAB)**

Mauricio E. Guardado, Jr.

Anthony Emmert

John Lindquist

**FILLMORE AND PIRU BASINS GSA**

Gordon Kimball

**FOX CANYON GROUNDWATER  
MANAGEMENT AGENCY**

Lynn E. Maulhardt

Alternate: Bruce E. Dandy

**MOUND BASIN GSA**

Catherine P. Keeling

**VENTURA COUNTY AWA  
BOARD OF DIRECTORS**

Sheldon G. Berger

Alternate: Daniel C. Naumann

**VENTURA COUNTY AWA  
WATER ISSUES COMMITTEE**

Mohammed A. Hasan

Alternate: Bruce E. Dandy

**VENTURA COUNTY SPECIAL DISTRICTS  
ASSOCIATION**

Bruce E. Dandy

Alternate: Daniel C. Naumann

**VENTURA WATER COMMISSION**

Bruce E. Dandy

Alternate: Daniel C. Naumann



**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Kris Sofley, Clerk of the Board

**Date:** January 27, 2023 (February 8, 2023 Meeting)

**Agenda Item:** 2.10 **PUBLIC HEARING** Proposed Ordinance No. 27 –  
**Consideration to Increase Compensation of the Board of Directors**  
**Motion**

---

**Staff Recommendation:**

Open Public Hearing and receive public comments on the proposed adoption of Ordinance No. 27, approving an increase in the Board of Director's per diem from \$248 to \$260 per day. After receiving public comments, Board may move to close the Public Hearing and agendize adoption of Ordinance No. 27 at the March 8, 2023 Regular Board meeting. If approved at the March 8, 2023 Regular Board meeting, the increase in the Director's per diem will take effect in 60 days (May 8, 2023).

**Discussion:**

Since 2022, District Directors have received \$248 per meeting, for up to ten meetings per month. California Water Code Section 20202 authorizes the Board to increase its compensation up to five percent annually. A full five percent increase would allow the per-meeting compensation to increase to no more than \$260.40.

Notice has been given in the Ventura County Star on Tuesday, January 31, 2023 and on Monday, February 6, 2023 (in accordance with notice requirements for this public hearing) to allow for the per diem to be increased by five percent, up to \$260.40, as permitted by law.

District staff surveyed other local water agencies and ascertained per diems paid to Directors as of January 2023. As listed below, per diems are:

Calleguas MWD	\$227.00
Camrosa Water District	\$200.00
Casitas MWD	\$217.82
Las Virgenes MWD	\$220.00
Santa Clarita Valley Water	\$239.00

**2.10     PUBLIC HEARING   Proposed Ordinance No. 27 –  
Consideration to Increase Compensation of the Board of Directors  
Motion**

---

The attached draft Ordinance includes a new per diem rate of \$260, reflecting a rounding of the maximum five percent increase allowable by law (\$260.40), however, the Board could move to reduce this amount prior to adopting and approving the Ordinance.

Regardless of the amount, any increase must be adopted through an Ordinance and a Public Hearing process, which is schedule for the February 2023 Regular Board meeting, along with the introduction of Ordinance No. 27. The Board would then vote to adopt the proposed Ordinance No. 27 at its March 2023 Regular Board meeting, and, if approved, the increase in per diem would take effect 60 days after the Ordinance’s adoption (May 8, 2023).

**Fiscal Impact**

Based upon prior activities and an average number of five meetings per month per Director, an increase in the per diem from \$248 to \$260 would result in a cost increase of approximately \$9,240 annually, as up to 10 meetings per month are compensable. There are sufficient funds within the budget to cover the additional costs.

**Attachments:** A – Proposed Ordinance No. 27

**UNITED WATER CONSERVATION DISTRICT  
ORDINANCE NO. 27**

**AN ORDINANCE AUTHORIZING AN INCREASE  
IN COMPENSATION OF THE MEMBERS OF  
THE BOARD OF DIRECTORS**

WHEREAS, the compensation of each Director of United Water Conservation District was last adjusted in 2022 to an amount not to exceed two hundred forty eight dollars and no cents (\$248.) per day for each day's attendance at meetings of the Board or for each day's service rendered as a Director by request of the Board, not exceeding a total of ten days in any calendar month, together with any expenses incurred in the performance of each Director's duties required or authorized by the Board; and

WHEREAS, California Water Code sections 20201 and 20202 authorize the governing board of a water conservation district to increase the compensation received by members of the Board of Directors of the District above the amount of one hundred dollars (\$100.00) per day by an amount not to exceed five percent of the compensation which is received when the ordinance is adopted, for each calendar year following the operative date of the last adjustment, for a total of not more than ten days in any calendar month.

NOW, THEREFORE, the Board of Directors of United Water Conservation District hereby ordains as follows:

That each Director of this District shall receive compensation in an amount not to exceed two hundred sixty dollars and no cents (\$260) per day for each day's attendance at meetings of the Board or for each day's service rendered as a Director by request of the Board, not exceeding a total of ten days in any calendar month, together with any expenses incurred in the performance of the Director's duties required or authorized by the Board.

This ordinance shall become effective sixty (60) days after its adoption.

**PASSED AND ADOPTED** this 8<sup>th</sup> day of March 2023.

**ATTEST:**

By \_\_\_\_\_  
Bruce E. Dandy, President

By \_\_\_\_\_  
Lynn E. Maulhardt, Secretary/Treasurer



Board of Directors  
Bruce E. Dandy, President  
Sheldon G. Berger, Vice President  
Lynn E. Maulhardt, Secretary/Treasurer  
Mohammed A. Hasan  
Catherine P. Keeling  
Gordon Kimball  
Daniel C. Naumann

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**MINUTES**  
**REGULAR BOARD MEETING**  
**Wednesday, January 11, 2023, 12:00 P.M.**  
**Board Room, UWCD Headquarters**  
**1701 N. Lombard Street, Oxnard CA 93030**

**DIRECTORS IN ATTENDANCE**

Bruce E. Dandy, Board president  
Sheldon G. Berger, Board vice president  
Lynn E. Maulhardt, Board secretary/treasurer  
Mohammed A. Hasan, director  
Catherine P. Keeling, director  
Gordon Kimball, director (arrived at 2:30pm)  
Daniel C. Naumann, director (left meeting at 1:15 pm)

**STAFF IN ATTENDANCE**

Mauricio Guardado, general manager  
David Boyer, legal counsel  
Dr. Maryam Bral, chief engineer  
John Carman, operations and maintenance program supervisor  
Brian Collins, chief operations officer  
Dan Detmer, water resources manager  
Eric Elliott, associate hydrogeologist  
Anthony Emmert, assistant general manager  
Hannah Garcia-Wickstrum, associated environmental scientist  
Robyn Gorecki, environmental services field technician  
Dr. Zachary Hanson, hydrogeologist  
Tony Huynh, risk and safety manager  
Eva Ibarra, administrative assistant III  
Michel, Kadah, engineer  
Michael Kaminski, water treatment operator III  
Kathleen Kuepper, hydrogeologist  
Tessa Lenz, environmental scientist-regulatory affairs  
Ofelia Leon, human resource generalist  
John Lindquist, supervising hydrogeologist  
Robert Marshall, water resources technician  
Randall McInvale, principal environmental scientist  
Craig Morgan, engineering manager  
Josh Perez, chief human resource officer  
Zachary Plummer, technology systems manager  
Linda Purpus, environmental services manager  
Ed Reese, technology systems specialist  
Robert Richardson, senior engineer  
Destiny Rubio, human resource generalist  
Daryl Smith, controller  
Kris Sofley, executive assistant/clerk of the Board



UWCD Board of Directors Meeting MINUTES

January 11, 2023

Page 2

Clayton Strahan, chief park ranger

Jason Sun, principal hydrogeologist – modeler

Ambry Tibay, senior accountant

Erik Zivirbulis, GIS analyst

**PUBLIC IN ATTENDANCE**

Burt Handy

Suparna Jain, AALRR

**1. FIRST OPEN SESSION 12:00 P.M.**

President Dandy called the meeting to order at 12noon. He asked District's Legal Counsel David Boyer to outline matters that the Board will be discussing in Executive (Closed) Session.

Mr. Boyer stated, in accordance with Government Code Section 54956.9(d)(2), the Board would be discussing one (1) case on anticipated litigation; and, in accordance with Government Code Section 54956.9 (d)(1), the Board would be discussing five (5) cases of existing litigation, including City of San Buenaventura, Wishtoyo Foundation, OPV Coalition v. Fox Canyon GMA, UWCD v. United States, UWCD v. California Fish and Game Commission.

**1.1 Public Comments**

**Information Item**

President Dandy asked if there were any public comments or questions for the Board members. None were offered.

**1.2 EXECUTIVE (CLOSED) SESSION 12:05 P.M.**

President Dandy adjourned the Board into Executive (Closed) Session at 12:05p.m.

**2. SECOND OPEN SESSION AND CALL TO ORDER 1:10 P.M.**

President Dandy called the Second Open session of the UWCD Board meeting to order at 1:10p.m.

**2.1 Pledge of Allegiance**

President Dandy asked Director Gordon Kimball to lead everyone in reciting the Pledge of Allegiance.

**2.2 Public Comment**

**Information Item**

President Dandy asked if there were any public comments or questions for the Board members. None were offered.

**2.3 Approval of Agenda**

**Motion**

President Dandy asked if there were any changes to the agenda. General Manager Mauricio Guardado stated there were no changes to the agenda. President Dandy asked for a motion. Motion to approve the agenda, Director Naumann; second,

Director Keeling. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

**2.4 Oral Report Regarding Executive (Closed) Session  
Information Item**

President Dandy asked Mr. Boyer to report out of Executive (Closed) session. Mr. Boyer stated that the Board took no action in Executive Session that is reportable under the Brown Act.

**2.5 Board Members' Activities Report  
Information Item**

President Dandy asked if there were any questions or comments regarding the Board members' monthly activities (aka per diem) reports. None were offered.

**2.6 General Manager's Report  
Information Item**

Mr. Guardado reported on his recent trip to Washington, D.C., stating that in part because of the District's frequent outreach efforts to elected officials, his meetings were much more action orientated as most were familiar with the District, its projects and issues. He said he was very encouraged by the level of engagement, especially with agencies like FERC and the Office of Local Defense Community Cooperation (OLDCC), which helps fund projects that benefit the military but are located outside military bases, stating that the agency was revising policy which would make funding available for the situation here in Ventura County. Mr. Guardado also announced the promotion of Tessa Lenz to environmental scientist-regulatory affairs, and recounted her numerous contributions to the District.

**2.7 Election of Officers  
Motion**

President Dandy opened the floor to nominations for Board Officers. Motion to nominate Director Bruce Dandy for a second term as president, Director Naumann; second, Director Berger. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

Motion to nominate Director Sheldon Berger for a second term as vice president, Director Naumann; second, Director Maulhardt. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

Motion to nominate Director Lynn Maulhardt for a second term as secretary/treasurer, Director Naumann; second, Director Berger. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

**2.8 Staff Service Awards for 2022**

**Ceremonial Item**

President Dandy presented District Service Awards to several employees, reporting staff achievements and contributions to the District throughout their milestone years of service. Service awards were presented to Eric Elliott, Eva Ibarra, Michael Kaminski, Robert Marshall, and Erik Zvirbulis, each for five years of service. Dr. Jason Sun was feted for 10 years of service to the District.

The Board congratulated staff and thanked them for their contributions as photos were taken by John Carman to commemorate the awards.

**3. CONSENT CALENDAR: All matters listed under the Consent Calendar are considered routine by the Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member pulls an item from the Calendar. Pulled items will be discussed and acted on separately by the Board. Members of the public who want to comment on a Consent Calendar item should do so under Public Comments. (ROLL CALL VOTE REQUIRED)**

Director Hasan asked President Dandy to pull the Minutes from the Consent Calendar as he said they did not accurately convey his comments from the previous Board meeting.

**A. Approval of Minutes**

**Motion**

Approval of the Minutes for the Regular Board Meeting of December 14, 2022.

President Dandy asked for a motion for the remainder of the Consent Calendar items. Motion to approve items B, C. and D., Director Hasan; second, Director Maulhardt. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

**B. Groundwater Basin Status Reports**

**Information Item**

Receive and file Monthly Hydrologic Conditions Report for the District.

**C. Monthly Investment Report**

**Information Item**

Report on the District's investments and the availability or restriction of these funds. All investments are in compliance with the District's investment policy, which is reviewed and approved annually by the Board.

**D. Resolution 2023-01 Subsequent Finding that the Governor of California issued a Proclamation of a State of Emergency on March 4, 2020 relating to the COVID-19 virus and local officials continue to recommend social distancing measures to mitigate the spread of the COVID-19 virus and Authorizing remote teleconference meetings of the legislative bodies of United Water**

**Conservation District for the period of January 11, 2023, through February 8, 2023 pursuant to Brown Act provisions**

**Motion**

The Board will consider approving subsequent AB361 Findings and adopt Resolution 2023-01 reaffirming that the Proclamation of a State of Emergency by the Governor of California issued on March 4, 2020 relating to the Covid-19 Virus remains in effect and local officials continue to recommend social distancing measures to mitigate the spread of the Covid-19 virus and re-authorize remote teleconference meetings of the legislative bodies of United Water Conservation District for the period of January 11, 2023 through February 8, 2023 pursuant to Brown Act provisions.

Director Hasan then addressed the Minutes, stating that there was a misunderstanding between the General Manager and himself regarding the preparation of the Master Plan, not the Facilities Improvement Plan.

Mr. Guardado stated that there was not a misunderstanding, that the District already has a Master Plan and the item discussed during the Recreation Committee and presented to the Board was the proposed facilities improvement plan for the Lake Piru Recreation Area, which is very specific. The gentlemen discussed the two documents and ended the discussion with Director Hasan asking the Minutes be corrected to read the General Manager understood Director Hasan was asking for a review of the Master Plan, not the Facility Plan. Director Hasan stated that the Board should have access to the Master Plan.

Director Maulhardt commented that he wants to make sure that the public understands that the Recreation Committee is *not* redoing the Master Plan, but rather the Facilities Improvement Plan, which helps the Board determine which projects at Lake Piru to support.

Motion to approve the Minutes as amended, Director Hasan; second, Director Maulhardt. Roll call vote: six ayes (Berger, Hasan, Keeling, Maulhardt, Naumann, Dandy); one abstaining (Kimball, as he was not present for most of the last Board meeting); none opposed. Motion carries 6/0/1 (abstaining).

**4. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)**

**Administrative Services Department – Brian Zahn and Josh Perez**

**4.1 Monthly Administrative Services Department Report – Josh Perez and Brian Zahn**

**Information Item**

District Controller Daryl Smith addressed the Board on behalf of CFO Brian Zahn, who was absent. Mr. Smith said that while there was no Finance Committee meeting in January, he wanted to give the Board a “heads up,” that the District would be posting a request for proposals (RFP) for new auditors as Vasquez & Company had served the District for the past three years. Director Berger said the company could still reapply, and Mr. Smith said that was correct.

Chief Human Resource Officer Josh Perez addressed the Board following Mr. Smith. Stating that he had nothing to present but if the Board had any questions or comments based on the monthly staff report, he would be happy to respond. No questions or comments were offered.

**Engineering Department – Dr. Maryam Bral**

**4.2 Monthly Engineering Department Report  
Information Item**

Dr. Bral guided the Board through a slide presentation (see attached), that highlighted many of the Engineering department's activities over the past month. Director Maulhardt stated that the Engineering and Operations Committee had addressed many of the dam safety processes and complimented staff for understanding the scope of responsibility and how the District must remain even more vigilant during construction projects.

Director Hasan asked if Mr. Collins was heavily involved with the design and construction at the Santa Felicia Dam, as he believes that operation people have to be involved to obtain the best results. Dr. Bral stated that Operations and Maintenance staff, Engineering staff, consultants and others are all very much involved in the project.

Dr. Bral presented highlights of a few other projects, ending her presentation. She asked if there were any additional questions or comments. None were offered.

**Environmental Services Department – Linda Purpus**

**4.3 Monthly Environmental Services Department Report  
Information Item**

Environmental Scientist-Regulatory Affairs Tessa Lenz addressed the Board, asking if there were any questions or comments regarding the department's monthly staff report. None were offered. Ms. Lenz walked the Board through a slide presentation (see attached), highlighting three main activities – the Freeman Diversion Fish Ladder monitoring (no O.mykiss were observed); the kick off meeting of the Extraction Barrier Brackish Water Treatment' contract with Environmental Services Associates; and Water Resources' Bram Sercu providing river discharge training to the Environment Services department's field team. She explained that field staff are trained in these techniques to support Water Resources staff.

President Dandy asked if there were any questions or comments for Ms. Lenz. None were offered.

**Operations and Maintenance Department – Brian Collins**

**4.4 Monthly Operation and Maintenance Department Report  
Information Item**

Chief Operations Officer Brian Collins addressed the Board, asking if there were any questions or comments on the monthly department report. None were offered. With that, Mr. Collins began his presentation (see attached), which included the installation of a water treatment plant emergency generator, dewatering at the Freeman Diversion to remove old caulking from the canal, the completion of the replacement of an aged flow meter on OH well number 14 and other maintenance activities.

President Dandy asked if anyone had any questions or comments for Mr. Collins. None were offered.

**Park and Recreation Department – Clayton Strahan**

**4.5 Monthly Park and Recreation Department Report  
Information Item**

Chief Park Ranger Clayton Strahan addressed the Board, reminding them that there was no Recreation Committee meeting in January, so he had no presentation, but did want to update them on the recent storm events. He stated that the lake, which had been at 14,100AF had increased to nearly 40,000AF, rising some 30 vertical feet from January 8 to January 10. He reported that there was quite a bit of debris in the water and the Lake had to be closed to boating as a result. He also reported that staff had to shelter in place as fire crews bulldozed Piru Canyon Road to remove the mud and debris that covered about a third of a mile of the road. He reported that most of the “dog park” had been lost to mud slides and that the coming weeks would require a lot of clean up.

Chief Strahan added that the current situation at the lake was similar to the debris and sediment that resulted from the 2005 storm event. He also said that the marina was secure, but currently sat about 150 feet off shore.

President Dandy asked if there were more questions or comments for Chief Strahan. None were offered.

**Water Resources Department – Dan Detmer**

**4.6 Monthly Water Resources Department Report  
Information Item**

Water Resources Manager Dan Detmer asked the Board if there were any questions regarding the department’s monthly report. None were offered. Mr. Detmer said that the department would have a robust report at next month’s Board meeting, including Murray McEachron’s characterizations of the storm events and conditions at the Freeman Diversion. He did state that the lake was up 30 feet, which was great for quagga control as the silt in the water would cut off oxygen as it settled.

## 5. MOTION ITEMS (By Department)

### **Engineering Department – Dr. Maryam Bral**

#### **5.1 Authorization of a Supplemental Appropriation of Funds for the Iron and Manganese Treatment Project (8007)**

##### **Motion**

Dr. Bral explained the need for a supplemental appropriation of funds for the Iron and Manganese Treatment project, reporting that the project's construction was 80 percent complete. She said that the "buy American" compliance stipulated in the grant added additional costs to the project. She said total project cost was \$14 million, with \$6.7 million in grant funding, or 47.8 percent of the project costs.

Motion to approve a supplemental appropriation of \$1.5 million for the Iron and Manganese Treatment Project (CIP 8007), Director Berger; second, Director Maulhardt. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

### **Environmental Services Department – Linda Purpus**

#### **5.2 Resolution 2023-02 Approving Adoption of the California Environmental Quality Act (CEQA) Notice of Exemption and the Approval of the Categorical and Statutory Exemption for the Proposed Multi-Year State Water Project Transfer from Casitas Municipal Water District to United Water Conservation District**

##### **Motion**

Ms. Lenz addressed the Board and explained the need for Resolution 2023-02 in an effort to file the notice of exemption for the California Environmental Quality Act (CEQA).

Motion to approve Resolution 2023-02 adopting the CEQA Notice of Exemption for the Proposed Multi-Year State Water Project Transfer from Casitas Municipal Water District to United Water Conservation District, Director Hasan; second, Director Naumann. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

### **Operations and Maintenance Department – Brian Collins**

#### **5.3 Resolution 2023-03 Authorization of the Purchase of Table A Water from Casitas Municipal Water District**

##### **Motion**

Mr. Collins addressed the Board regarding the agreement with Casitas Municipal Water District for purchase of its Table A Water allocation. Director Hasan asked a number of questions clarifying the agreement. Director Kimball said that this should have been done a long time ago and that he congratulates staff and management for the collaborative effort and leadership to bring more water into the County. He thanked staff and added, "well done."

UWCD Board of Directors Meeting MINUTES

January 11, 2023

Page 9

Motion to adopt Resolution 2023-03, approving the authorization of the General Manager or his designee to execute a contract for the purchase of Table A water from Casitas Municipal Water District for a five-year term, Director Naumann; second, Director Berger. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy). None opposed. Motion carries unanimously.

**6. BOARD OF DIRECTORS READING FILE**

Director Berger reminded everyone that the AWA WaterWise event on Thursday would feature Eric Boldt of NOAA who would be making his annual rain predictions and that the event was being held in the UWCD Boardroom and encouraged all to attend.

**7. FUTURE AGENDA ITEMS**

Director Hasan commented on ensuring a quorum for the Finance Committee and again proposed developing two-year budgets and stated that he'd like to discuss that at the February Finance Committee meeting.

**8. ADJOURNMENT 2:55p.m.**

President Dandy adjourned the meeting at 2:55p.m. to the **Regular Board Meeting scheduled for Wednesday, February 8, 2023** or call of the President.

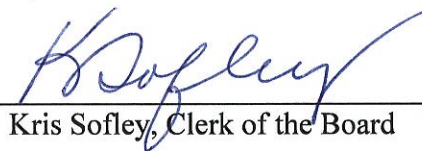
I certify that the above is a true and correct copy of the minutes of the UWCD Board of Directors meeting of January 11, 2023.

ATTEST:



Lynn E. Maulhardt, Board Secretary

ATTEST:



Kris Sofley, Clerk of the Board





Board of Directors  
Bruce E. Dandy, President  
Sheldon G. Berger, Vice President  
Lynn E. Maulhardt, Secretary/Treasurer  
Mohammed A. Hasan  
Catherine P. Keeling  
Gordon Kimball  
Daniel C. Naumann

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

## ATTENDANCE LIST

**MEETING DATE:** Wednesday, January 11, 2023 12noon

**MEETING:** UWCD Board of Directors Meeting

The signing or registering of your name on this sign-up form is not required but is voluntary. All persons may attend the meetings of the Board of Directors of United Water Conservation District without signing or registering their names on this form.

Name (Please Print)

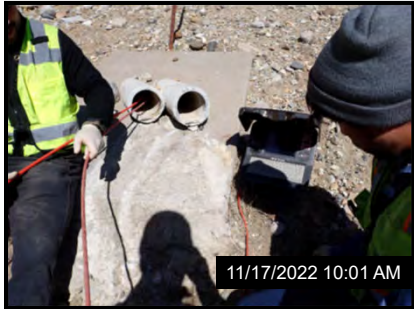
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# ENGINEERING DEPARTMENT MONTHLY UPDATE

January 11, 2023

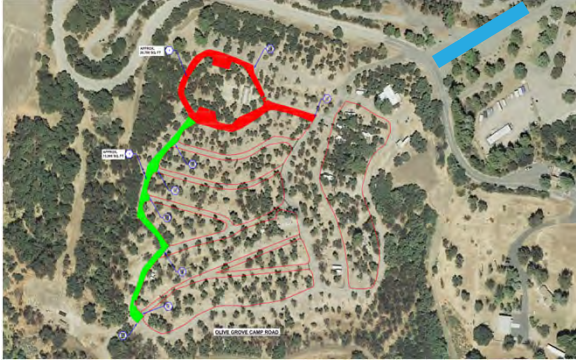


## Santa Felicia Dam Safety Year End Reporting December 2022

1. SFD Spillway Drain Inspection Report
2. Owner Dam Safety Program External Audit Report
3. Call-Down Drill Report
4. Interim Risk Reduction Measures Reports
5. Dam Safety and Surveillance Monitoring Report
6. EAP After Action Report
7. EAP Status Report
8. Annual Security Compliance Certification
9. Vulnerability Security Risk Assessment Report
10. SFD Security Plan Update



## Lake Piru Recreation Area 2022 Pavement Maintenance Program



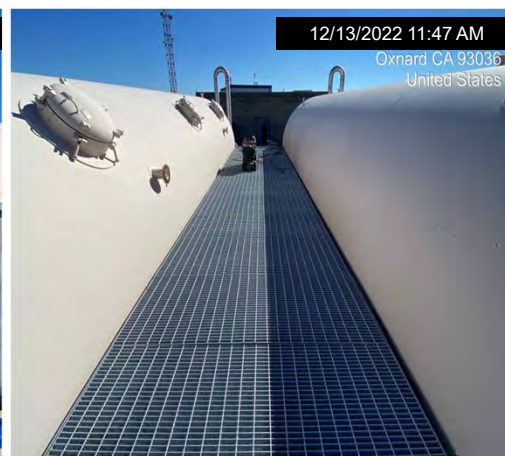
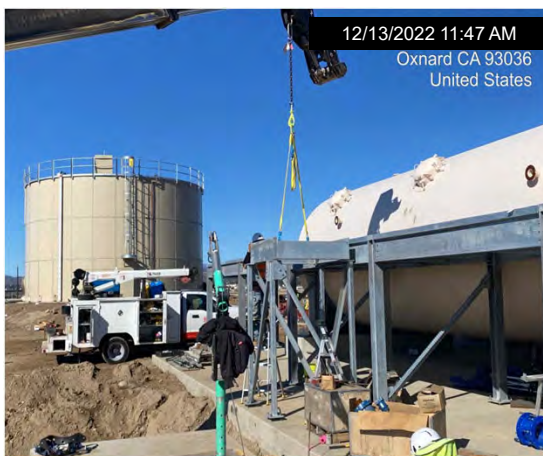
- Repairs of access roads to and around Olive Grove Campground
- Repairs of areas between Park Rangers Office and Marina Parking Lot
- Over 53,000 square feet of pavement repairs between December 5 to 21
- Finishes and final touch-ups by January 4, 2023



3

3

## Iron and Manganese Treatment Facility



Installation of grated platforms at filter vessels



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## Iron and Manganese Treatment Facility



Preparing filter vessels for pressure washing  
and face piping for pressure testing



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## Iron and Manganese Treatment Facility



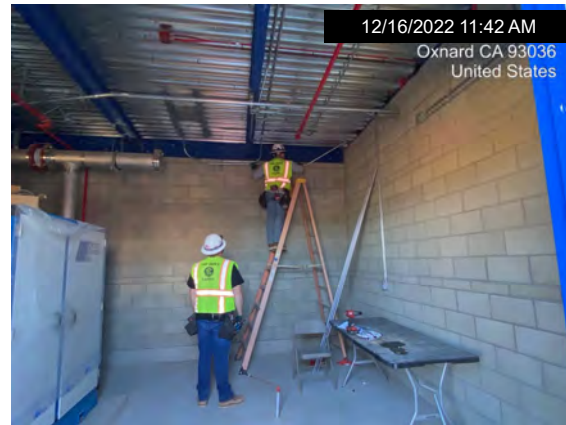
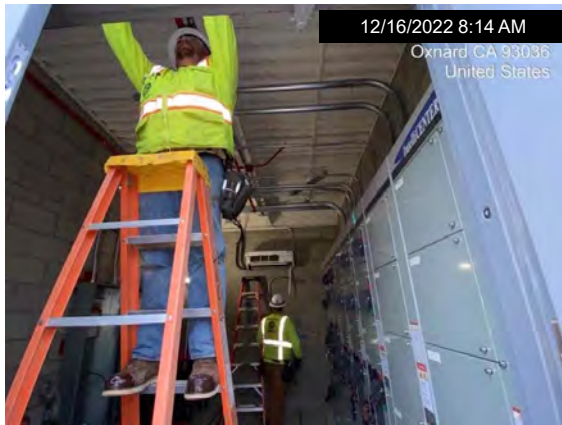
Near completion of piping at Washwater Recovery Tank and Filter Vessels



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## Iron and Manganese Treatment Facility



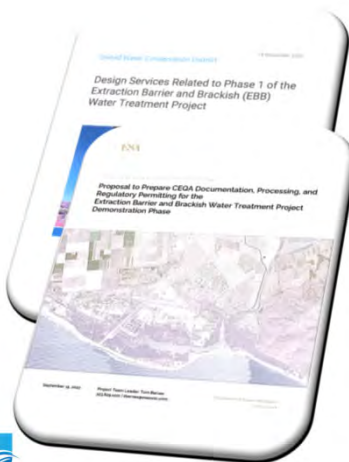
Taft installing overhead electrical conduits in electrical and blower rooms



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## Extraction Barrier and Brackish Water Treatment Project Phase 1




- Kennedy Jenks (KJ) Professional Services Agreement executed December 19, 2022
- ESA Professional Services Agreement executed on December 20, 2022
- Joint kickoff meeting on December 15, 2022
- December 20 and 28 progress meetings with KJ
- Joint site visit scheduled for January 12, 2023





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# QUESTIONS






# ENVIRONMENTAL SERVICES DEPARTMENT MONTHLY UPDATE

January 11, 2023




## Department Summary Updates

- December Freeman Fish Ladder Operations
- End of Year Reporting
- Extraction Barrier and Brackish Water Treatment Project – Phase 1 Kick-off Meeting



Stranding Surveys in the Santa Clara River– 12/13/2022



ES Staff seining the fish bays – 12/15/2022





QUESTIONS





# OPERATIONS AND MAINTENANCE DEPARTMENT MONTHLY UPDATE

January 11, 2023



1

## Santa Felicia Dam

Water Treatment Plant Emergency Generator





2

2

# Freeman Diversion

## Canal Joints / Season's First Water Harvest





3

# OH Delivery

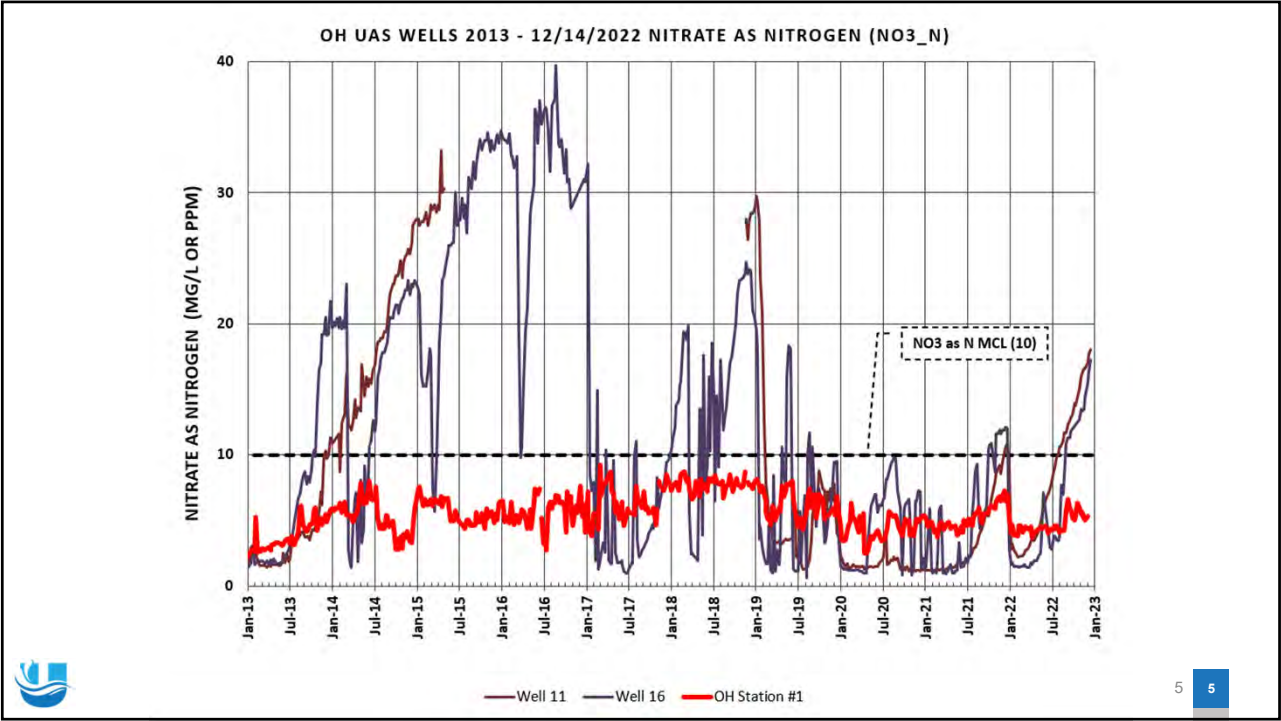
## OH Well 14 Check Valve – El Rio Recharge Basins



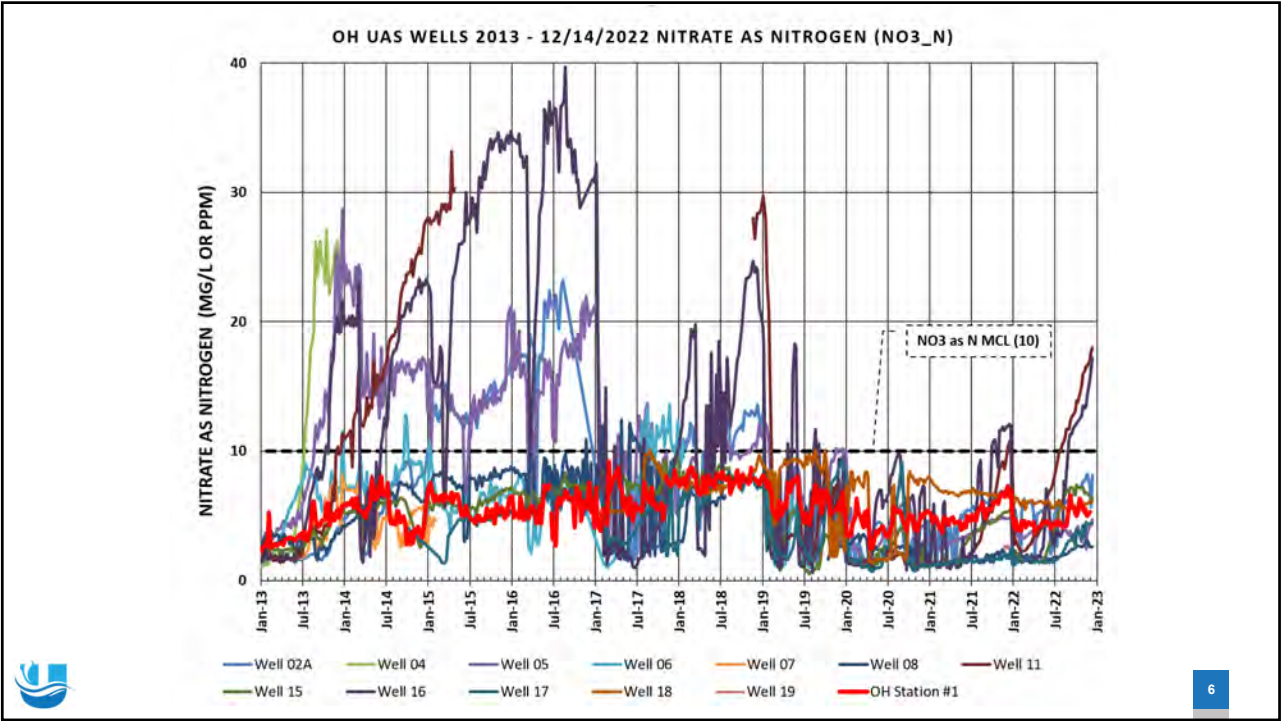


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# PTP

## PTP Reservoir Motor







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# Questions?



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# Motion 5.1

## Supplemental Appropriation of \$1.5M for the Iron and Manganese Treatment Project

	<u>Original Budgeted Amount</u>	<u>Original Contract Amount</u>	<u>Additions</u>	<u>Cost Impact</u>
Construction Contract (GSE)	\$9,786,700	\$9,342,900	Change orders (various): <ul style="list-style-type: none"><li>\$662,910.19 (BAA)</li><li>\$466,556.07 (other)</li></ul>	\$685,666
Construction Management and Inspection Services (HDR)	\$444,850	\$701,956	No amendments requested	\$257,106
Design Services during Construction (K/J)	\$518,790	\$537,488	Amended request <ul style="list-style-type: none"><li>\$200,000</li></ul>	\$218,698
Additional Project Cost				<b>\$1,161,470</b>
Contingency				<b>\$338,530</b>
Requested Supplemental Appropriation				<b>\$1,500,000</b>

Updated Total Project Cost:	<b>\$14,071,289</b>
Total State and Federal Grant Fundings:	<b>\$6,730,133</b> (47.8% of Total Project Cost)



## Motion 5.2

### **Resolution 2023-02; Adoption of CEQA Notice of Exemption (NOE) for the proposed multi-year State Water Project transfer from CMWD to UWCD**

- Terms of the draft agreement were approved by the Board at the September 2022 meeting







Board of Directors  
Bruce E. Dandy, President  
Sheldon G. Berger, Vice President  
Lynn E. Maulhardt, Secretary/Treasurer  
Mohammed A. Hasan  
Catherine P. Keeling  
Gordon Kimball  
Daniel C. Naumann

General Manager  
Mauricio E. Guardado, Jr.

Legal Counsel  
David D. Boyer

**MINUTES**  
**EMERGENCY SPECIAL BOARD MEETING**  
**Tuesday, January 24, 2023, 11:30 A.M.**  
**Board Chambers, UWCD Headquarters**  
**1701 N. Lombard Street, Oxnard CA 93030**

**DIRECTORS IN ATTENDANCE**

Bruce E. Dandy, Board president  
Sheldon G. Berger, Board vice president  
Lynn E. Maulhardt, Board secretary/treasurer  
Mohammed A. Hasan, director  
Catherine P. Keeling, director  
Daniel C. Naumann, director

**DIRECTOR ABSENT**

Gordon Kimball, director

**STAFF IN ATTENDANCE**

Mauricio Guardado, general manager  
David Boyer, legal counsel  
Suparna Jain, assistant legal counsel  
Josh Perez, chief human resource officer  
Zachary Plummer, technology systems manager  
Kris Sofley, executive assistant/clerk of the Board

**1. FIRST OPEN SESSION 11:30 A.M.**

President Dandy called the meeting to order at 11:30a.m.

**1.1 Public Comments**

**Information Item**

President Dandy asked if there were any public comments or questions. None were offered.

**1.2 Adoption of Resolution 2023-04 Declaring a State of Emergency for Conditions Resulting from the January 8, 2023 Storm Events and Continuing Motion**

General Manager Mauricio Guardado addressed the Board of Directors, informing them of the staff's survey of the damage caused by the recent storm events. He said damage and clean-up is estimated at \$2 million as the lake experienced extreme debris flows and mud covering roadways, portions of the park and more. Staff has not yet assessed the damage at Freeman Diversion, and the storm created moisture within several pump motors causing damage at El Rio. He reported that Federal Emergency Management Agency (FEMA) and Office of Emergency Services (OES) have met with staff and done inspections at Lake Piru, where Chief Ranger Strahan and been coordinating everything. He stated that by adopting an "official Resolution" declaring a State of Emergency for the Lake Piru Recreation Area for

UWCD Emergency Special Board of Directors Meeting MINUTES

January 24, 2023

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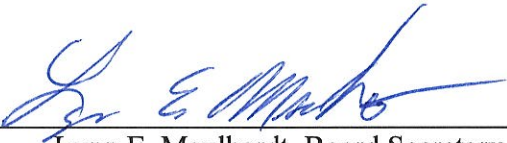
conditions resulting from the January 8, 2023 storm event and continuing will provide the District with the appropriate documentation to monitor costs and repair work for reimbursement.

Motion to adopt Resolution 2023-04 declaring a state of Emergency for conditions resulting from the January 8, 2023 storm events and continuing, Director Naumann; second, Director Hasan. Roll call vote: six ayes (Berger, Hasan, Keeling, Maulhardt, Naumann, Dandy); none opposed; one absent (Kimball). Motion carries unanimously 6/0/1.

**2. ADJOURNMENT 11:35a.m.**

President Dandy thanked the Board and staff and adjourned the Emergency Special Board meeting at 11:35a.m. to the **Regular Board Meeting scheduled for Wednesday, February 8, 2023** or call of the President.

I certify that the above is a true and correct copy of the minutes of the UWCD Emergency Special Board of Directors meeting of January 24, 2023.

ATTEST:   
Lynn E. Maulhardt, Board Secretary

ATTEST:   
Kris Sofley, Clerk of the Board



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager  
Dan Detmer, Water Resources Manager

**From:** Kathleen Kuepper, Hydrogeologist  
Bram Sercu, Senior Hydrologist

**Date:** February 2, 2023 (February 8, 2023 Meeting)

**Agenda Item:** 3.B Groundwater Basin Status Report  
**Informational Item**

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#### **Staff Recommendation:**

The Board will receive and file the Monthly Hydrologic Conditions Report for the District for the month of January 2023.

#### **Summary:**

Diversions, Recharge and Ag Pipeline Deliveries for Month of January 2023\*

<b>Activity</b>	<b>Amount (acre-feet)</b>
Total Diversions at Freeman Diversion	7,937
Lloyd-Butler Mutual Water Company surface water use	NA
Recharge to Saticoy basins (metered + unmetered)	3,775
Recharge to Noble and Rose basins	183
Recharge to El Rio basin	3,751
Total Ag Pipeline Deliveries of water diverted at Freeman	228
Total Ag Pipeline Deliveries of water pumped from Saticoy Well Field	0
Recharge to Piru spreading grounds	0

\*Provisional data. Final data are made available in the September Hydrologic Conditions Report of each water year.

Groundwater Basin Available Storage at End of Month of January 2023

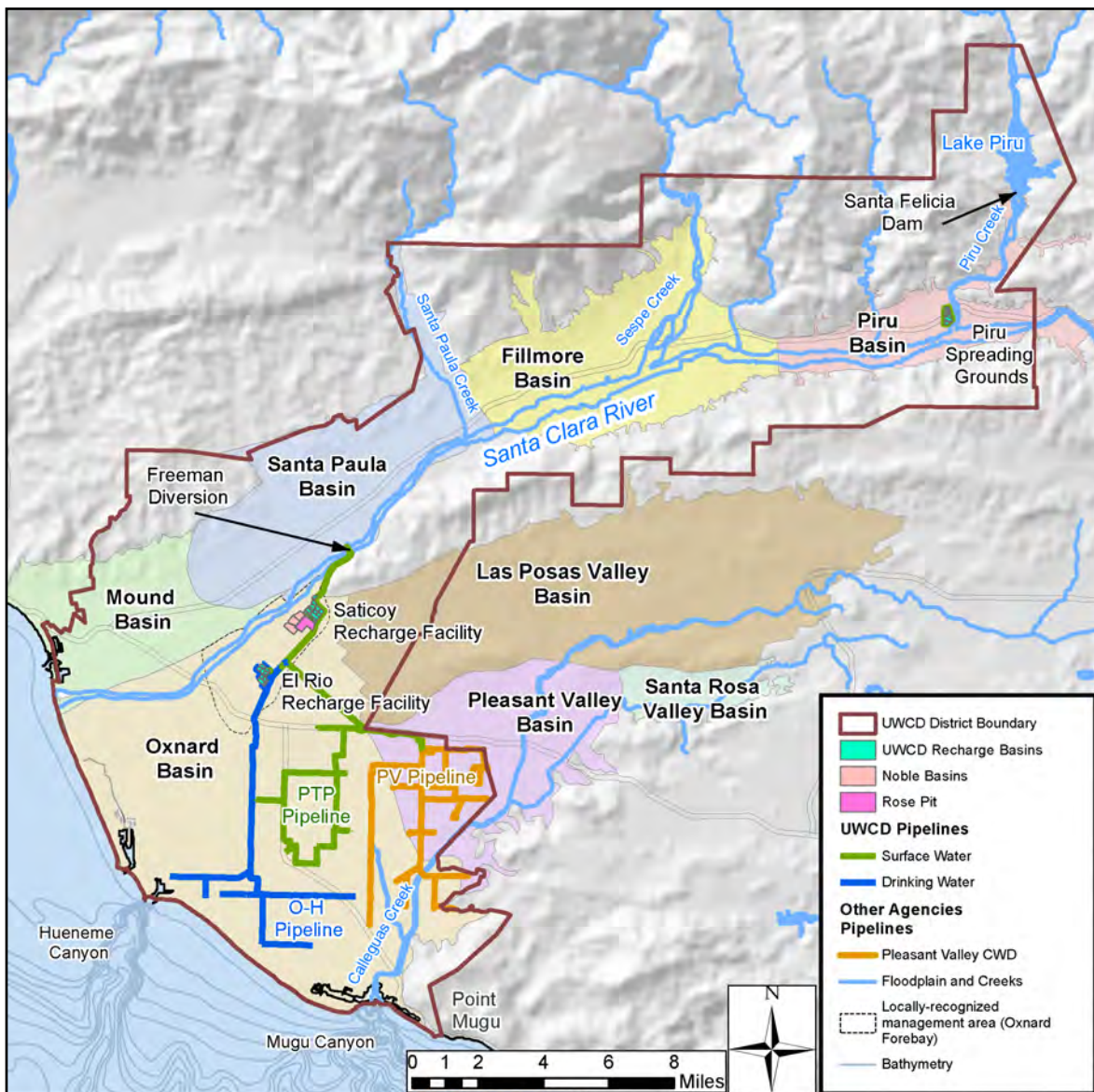
<b>Basin</b>	<b>Available Storage (acre-feet)</b>
Oxnard Forebay	94,200

Precipitation for Month of January 2023

<b>Location</b>	<b>Precipitation (inches)</b>
Lake Piru	21.15
Santa Paula	12.97
El Rio	8.32

### January 2023 Hydrologic Conditions Report 2022/23 Water Year

February 2, 2023

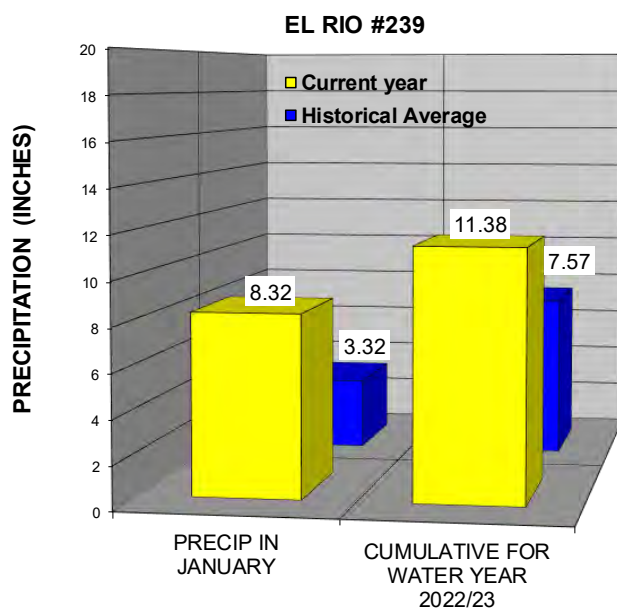
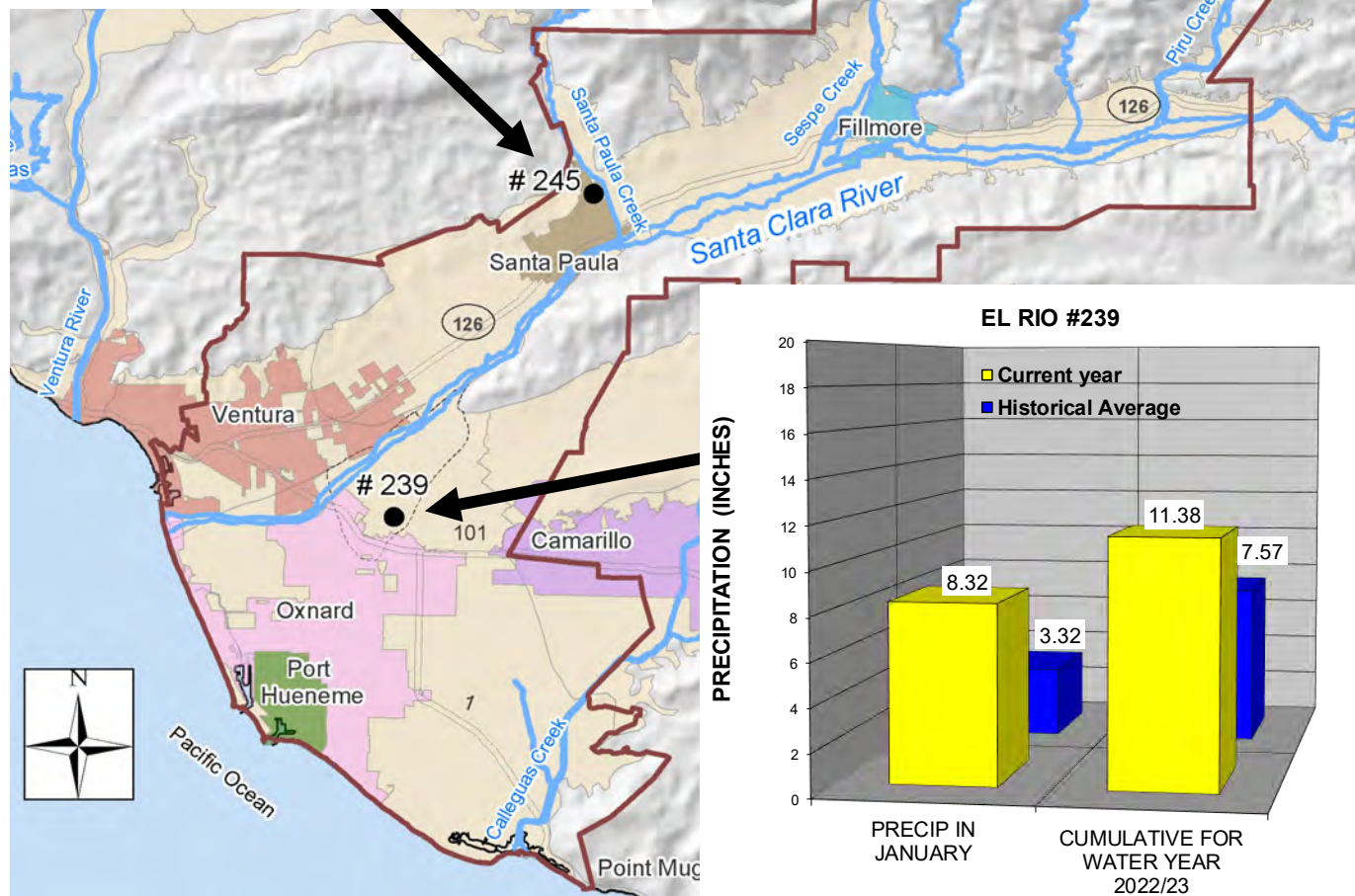
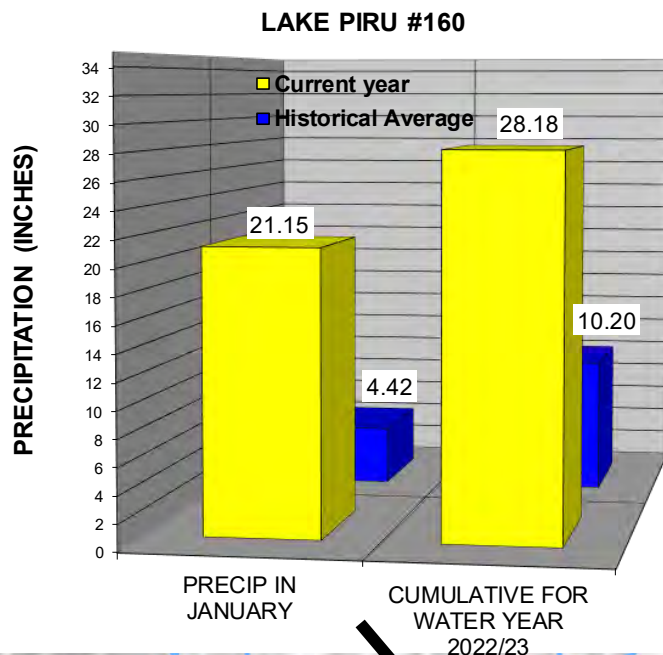
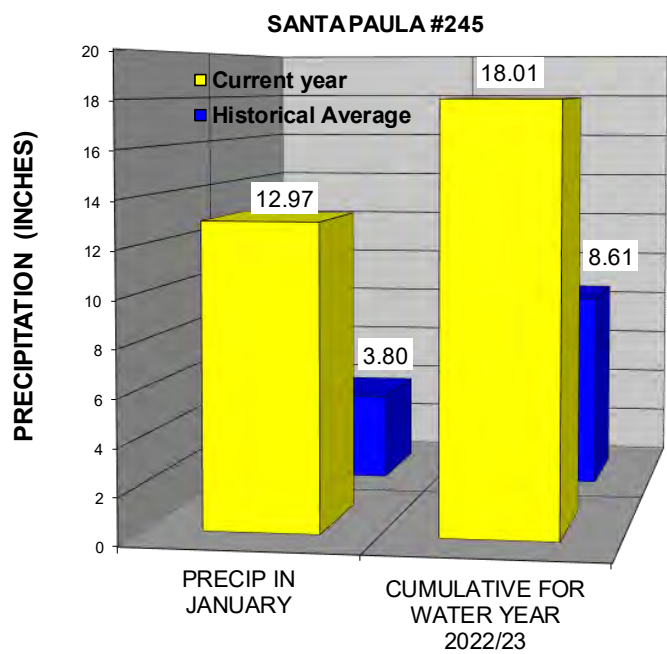


*Note: This report may contain provisional data until final review at the end of the water year.*

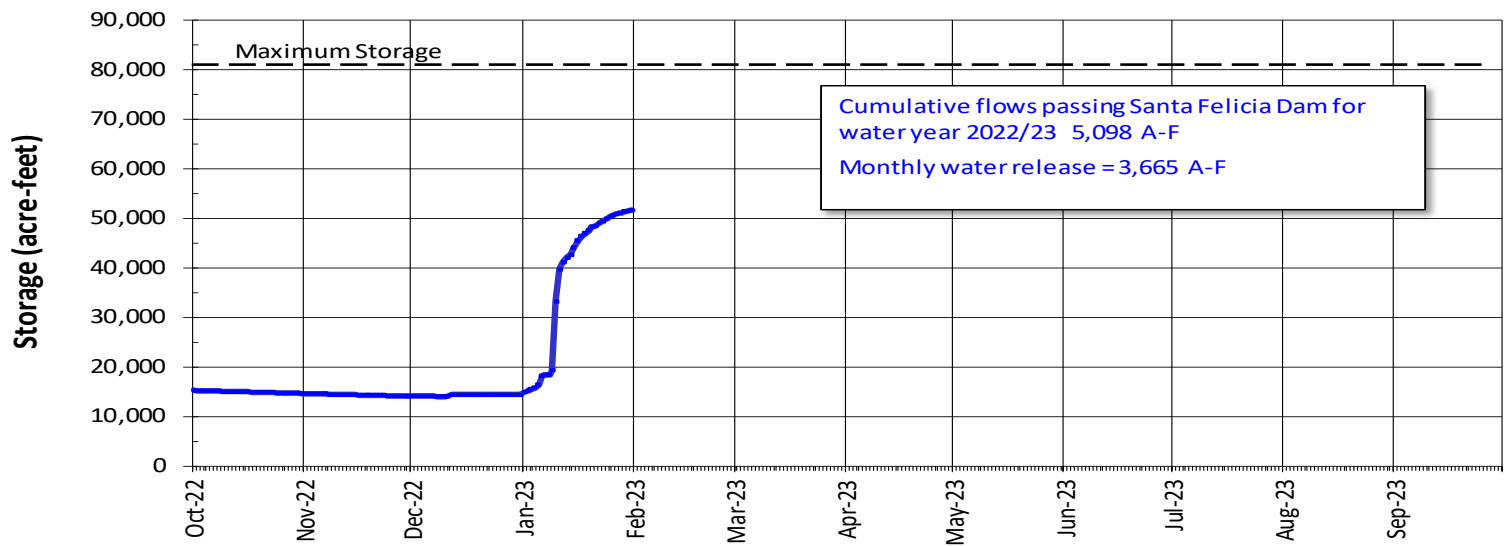
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# Precipitation

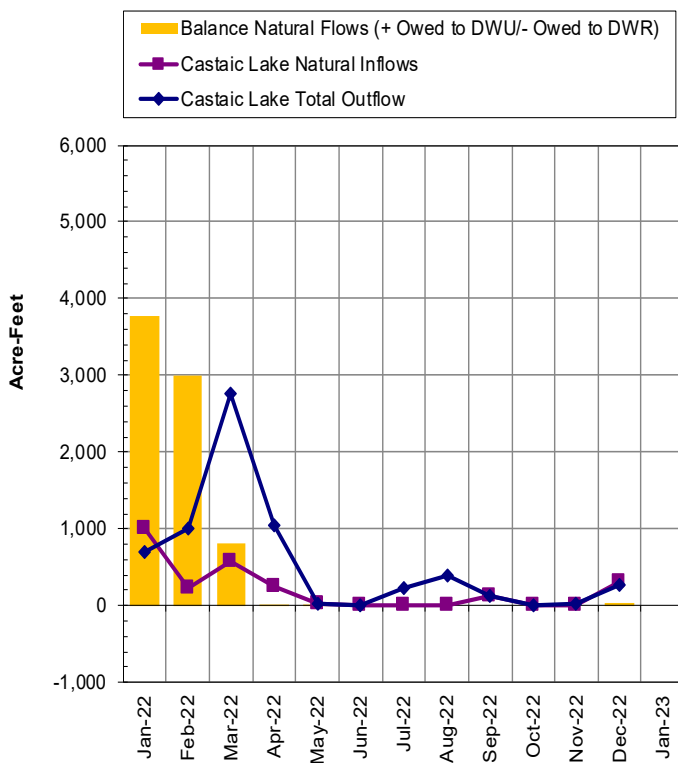


District-wide percent of normal precipitation = 218%

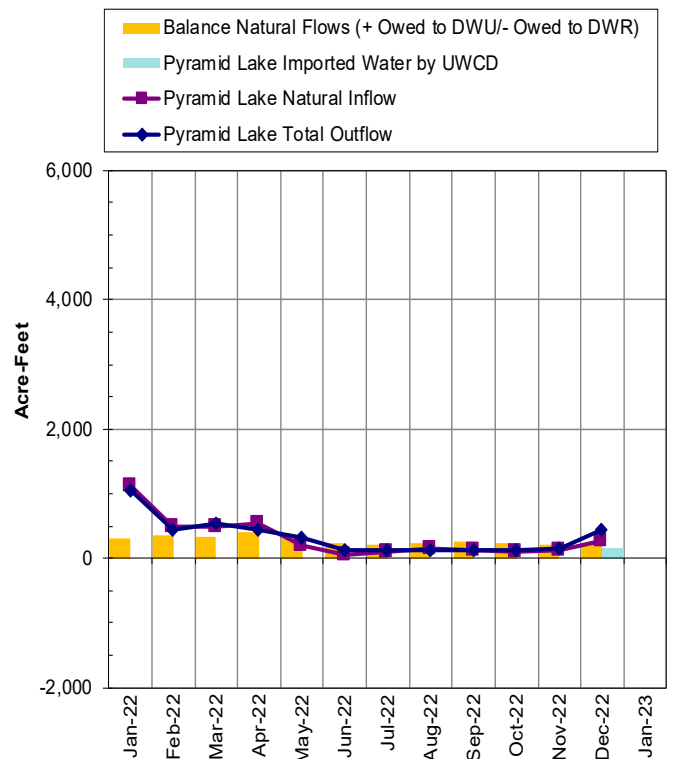


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0	0	0	0								
Cumulative Hydro Plant Outflow (A-F)	0	0	0	0								

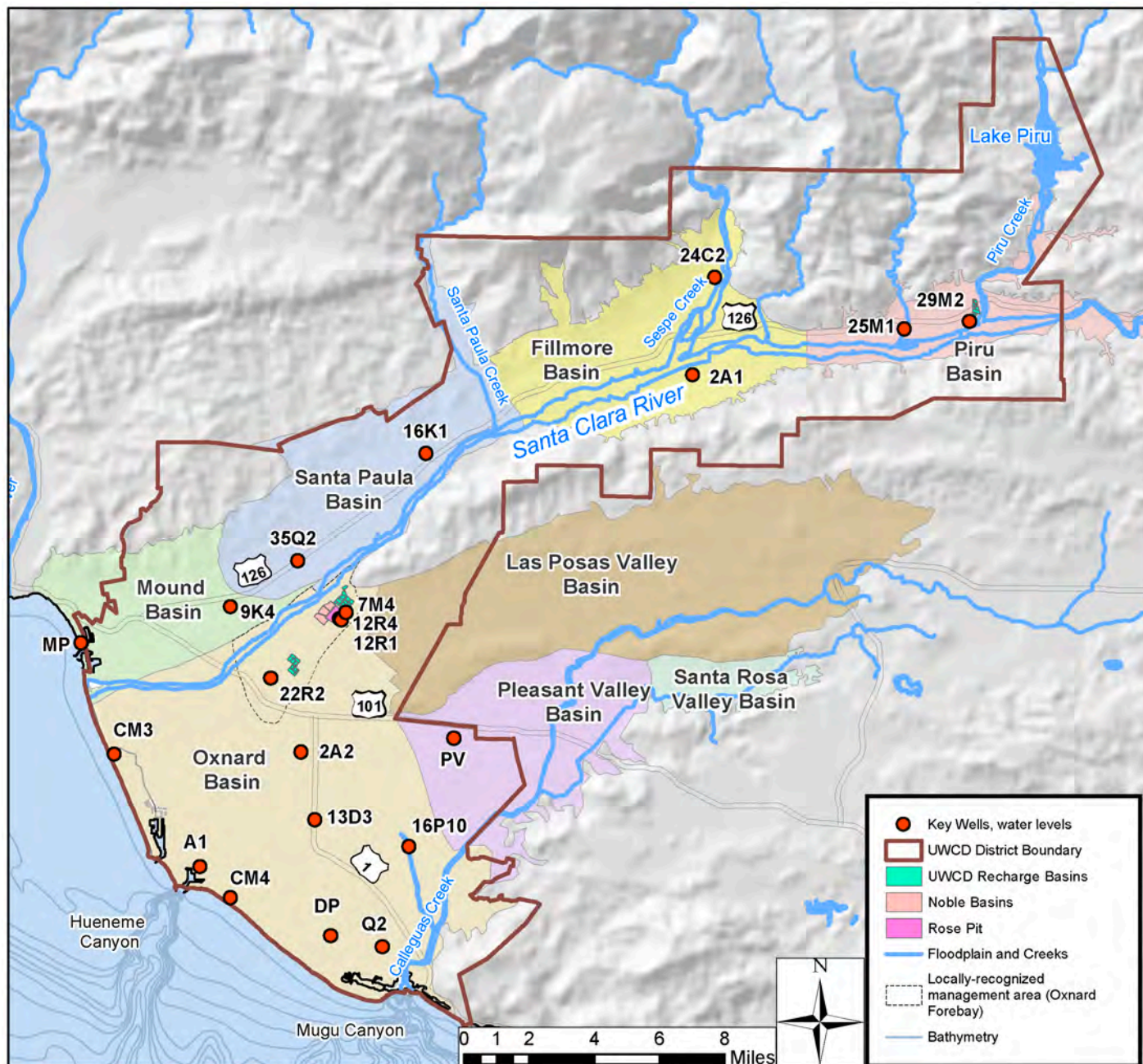
## Castaic Lake releases to downstream water users (DWU)



## Pyramid Lake releases to UWCD



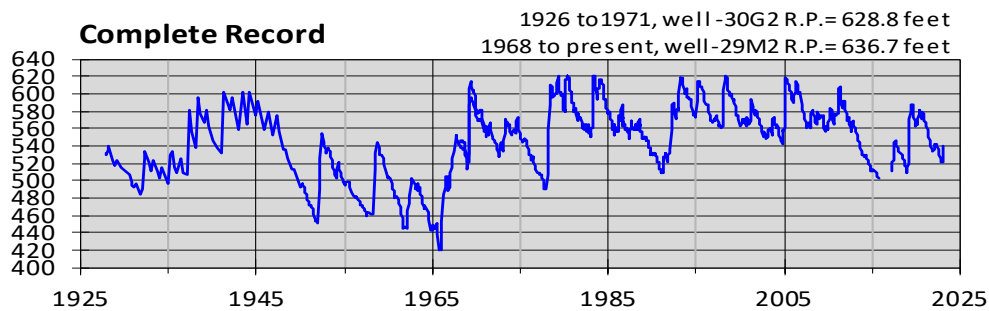
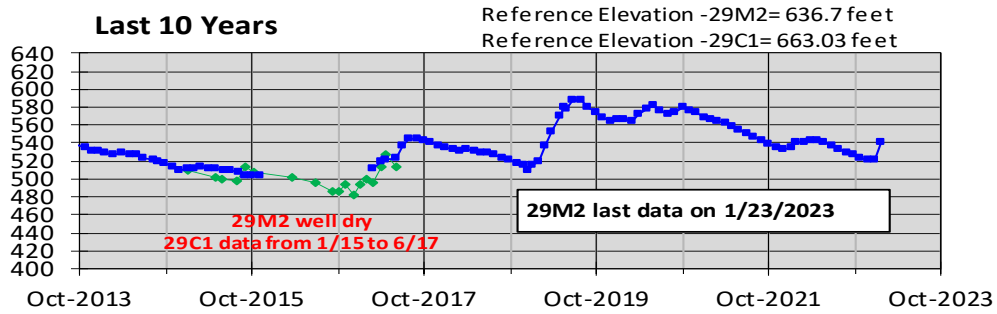




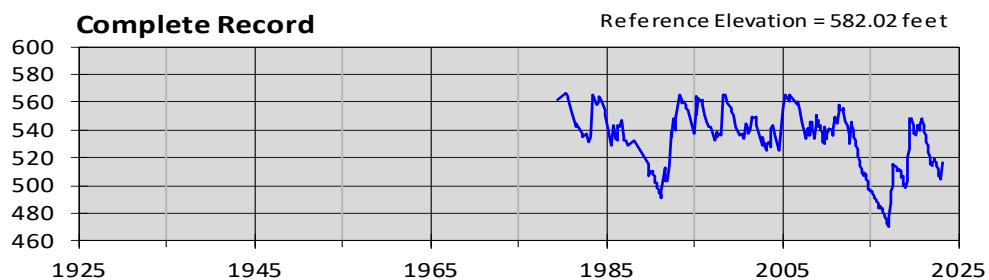
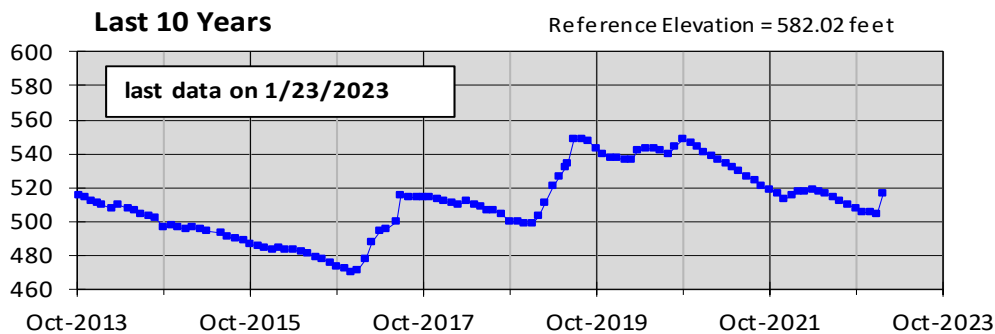
## Locations of Key Wells, Monthly Groundwater Elevation Monitoring

# Groundwater Elevation Records – Piru Basin

Well 04N18W29M02S (29M2)

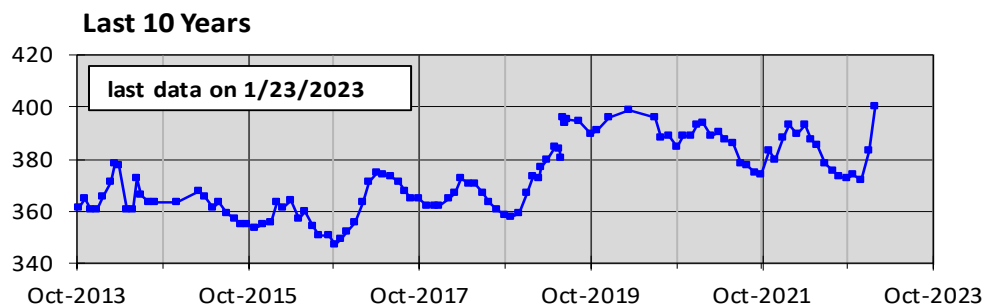


Well 04N19W25M01S (25M1)



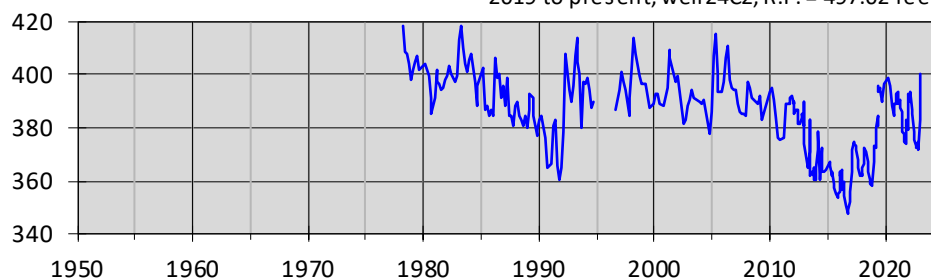
## Groundwater Elevation Records – Fillmore Basin

Well 04N20W24C02S (24C2)

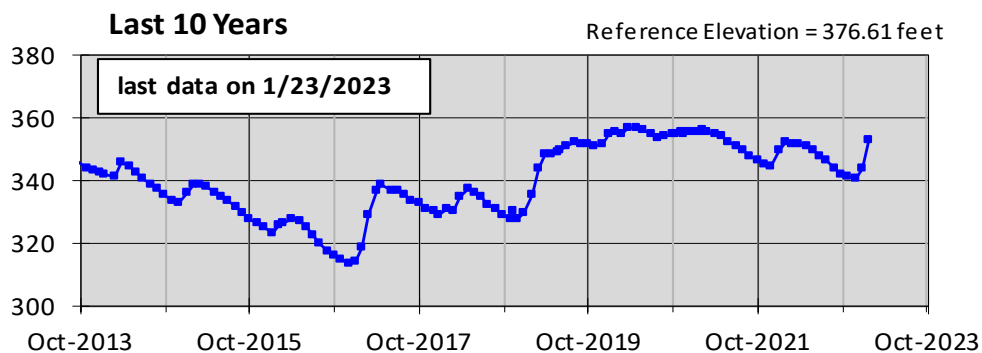


**Complete Record**

1978 to 2014, well 23Q2, R.P. = 513.99 feet  
2015 to 2019, well 23N1, R.P. = 559.00 feet  
2019 to present, well 24C2, R.P. = 497.02 feet

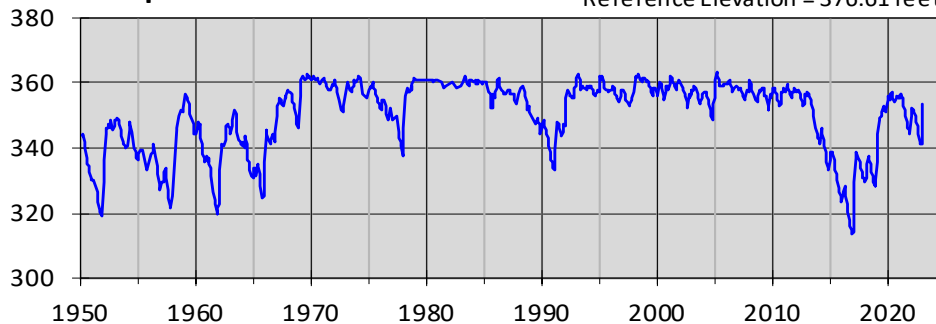


Well 03N20W02A01S (2A1)

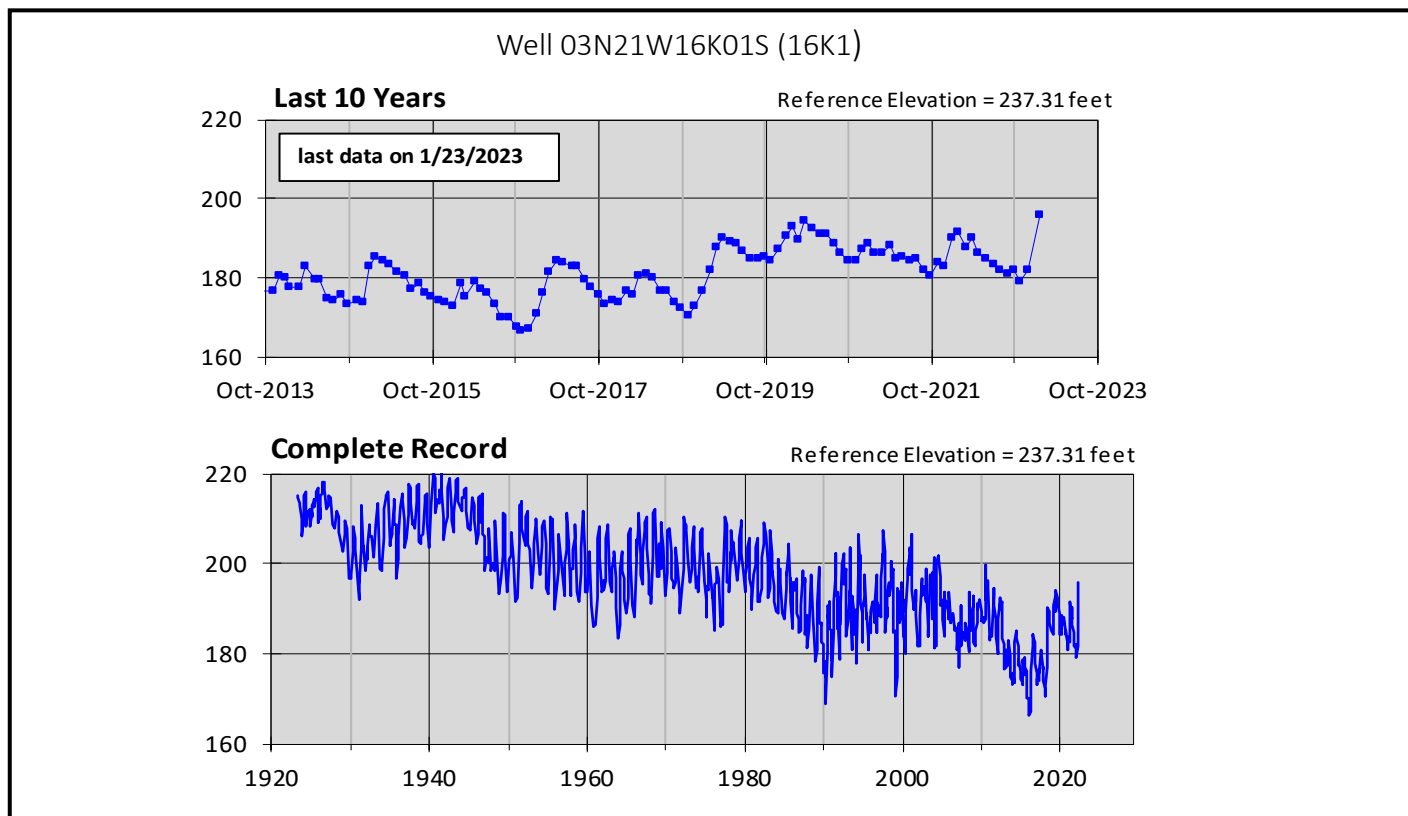


**Complete Record**

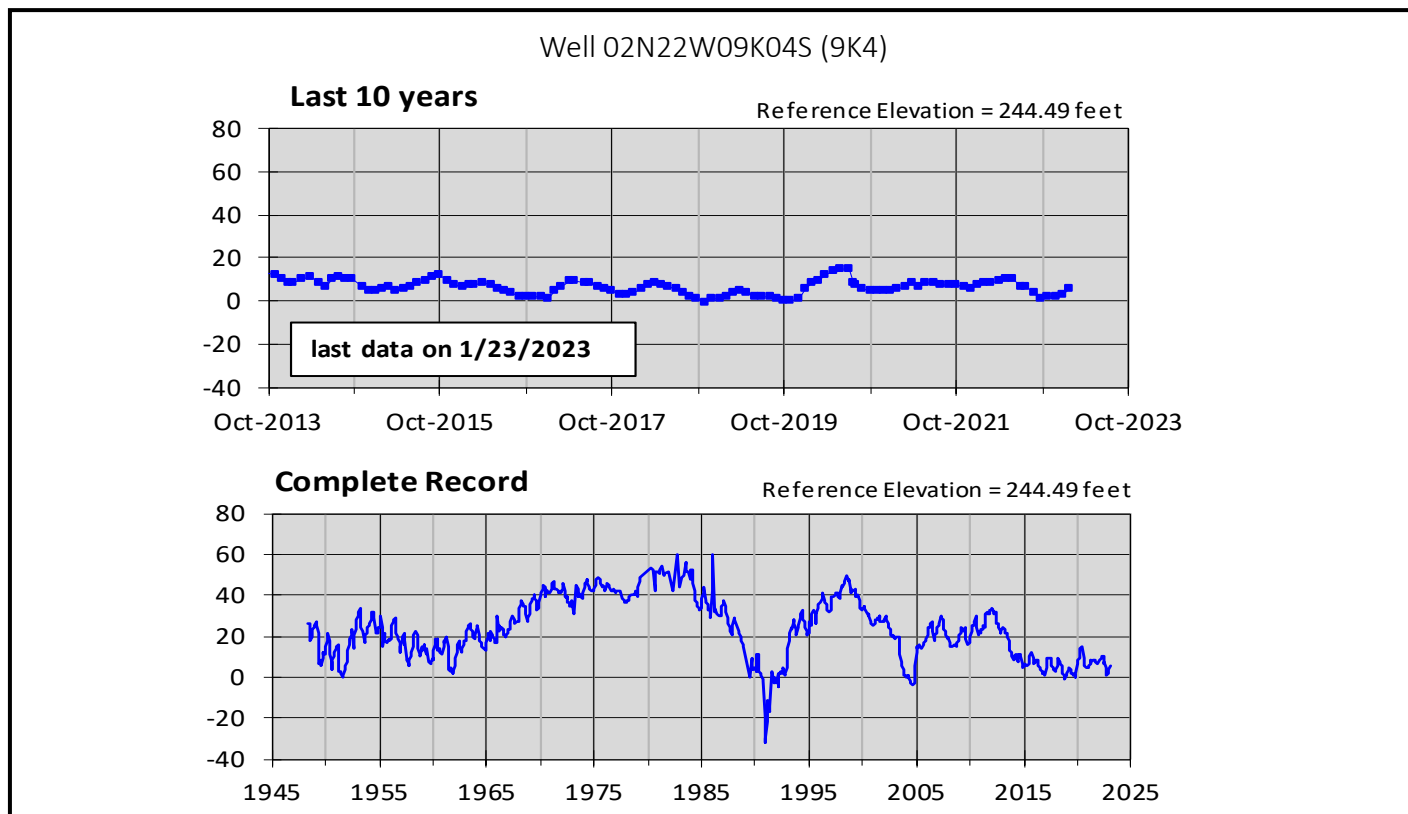
Reference Elevation = 376.61 feet



## Groundwater Elevation Records – Santa Paula Basin



## Groundwater Elevation Records – Mound Basin

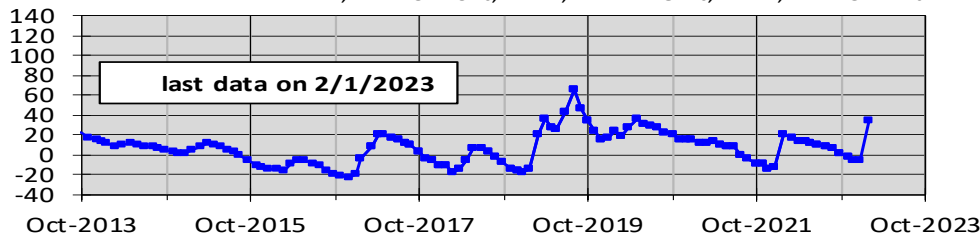


# Groundwater Elevation Records – Oxnard Basin, Forebay

Wells 02N22W12R01S (12R1), 02N22W12R04S (12R4), and 02N21W07M04S (7M4)

## Last 10 Years

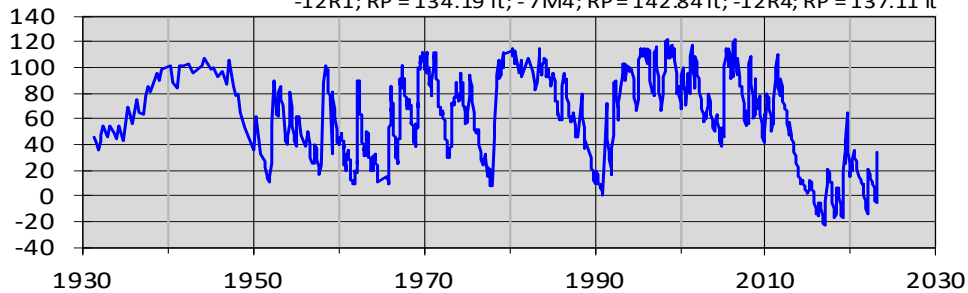
-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft



Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

## Complete Record

-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft

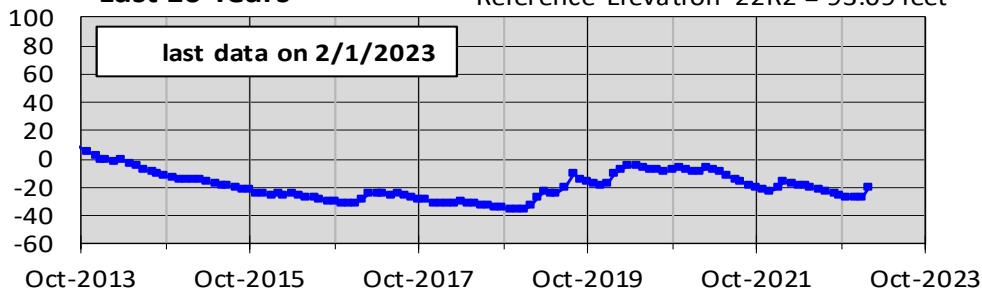


Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

Well 02N22W22R02S (22R2)

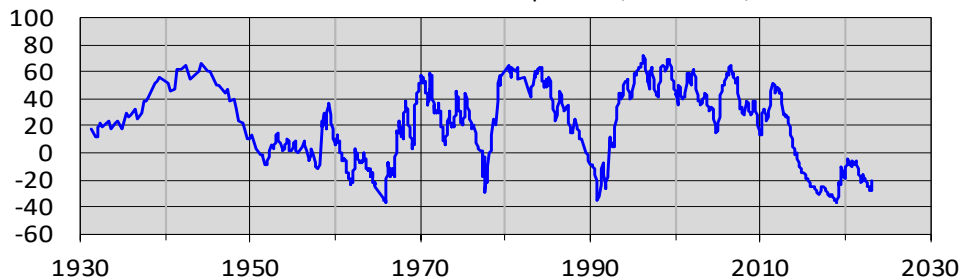
## Last 10 Years

Reference Elevation -22R2 = 93.09 feet



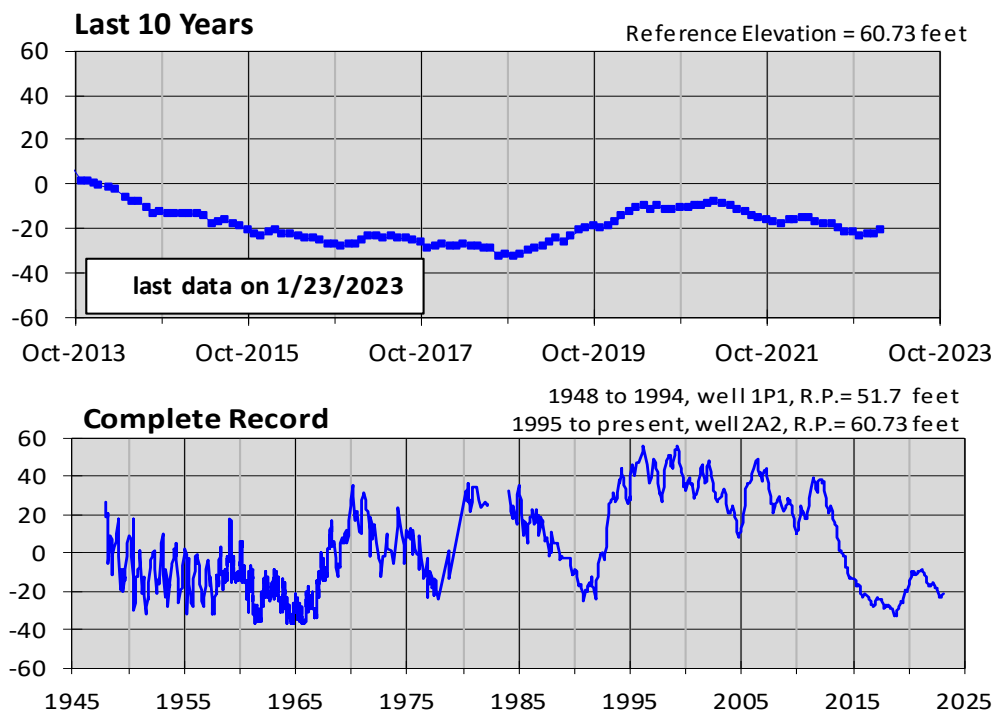
## Complete Record

1931 to 2004, well -22R1, RP = 93.6 feet  
2004 to present, well -22R2, RP = 93.09 feet

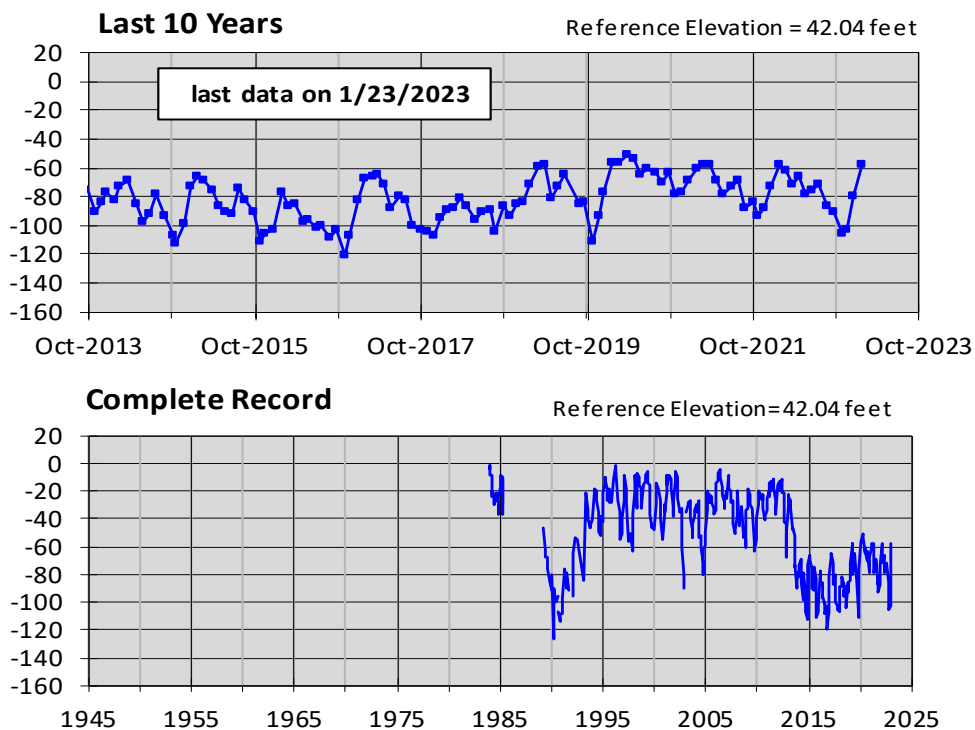


# Groundwater Elevation Records – Oxnard Basin

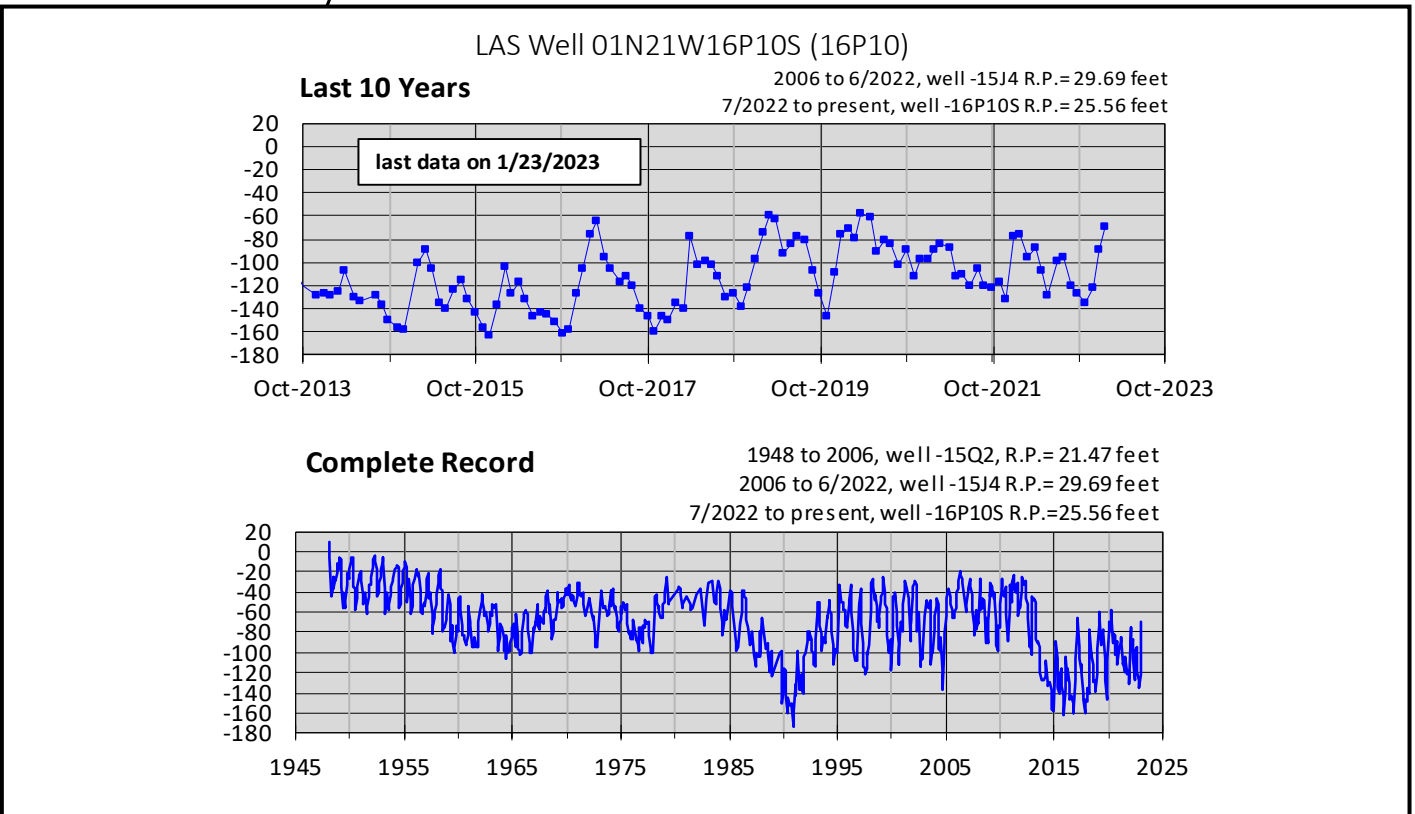
UAS Well 01N22W02A02S (2A2)



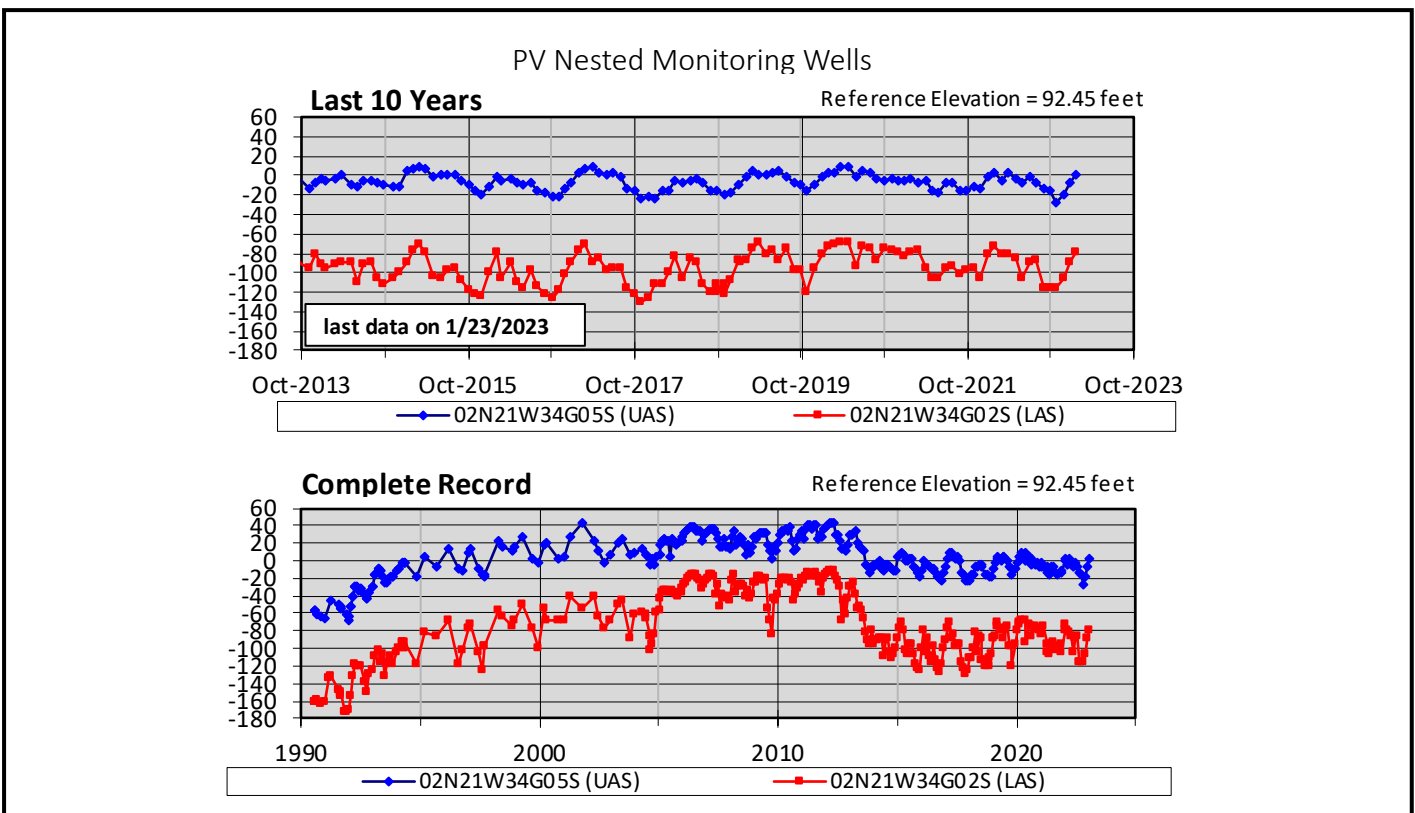
LAS well 01N22W13D03S (13D3)



## Groundwater Elevation Records – eastern Oxnard/Pleasant Valley Basin Boundary Area



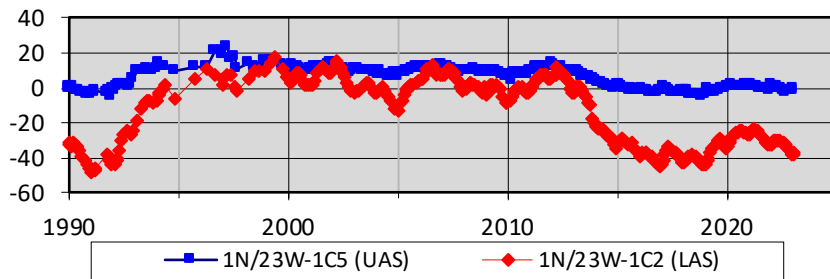
## Groundwater Elevation Records – Pleasant Valley Basin



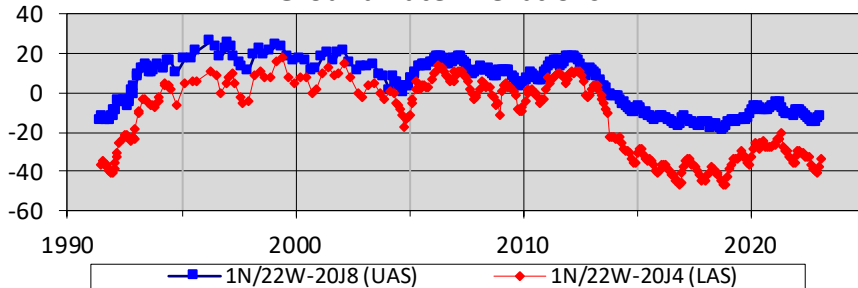


# Groundwater Elevation Records – Coastal Nested Monitoring Wells

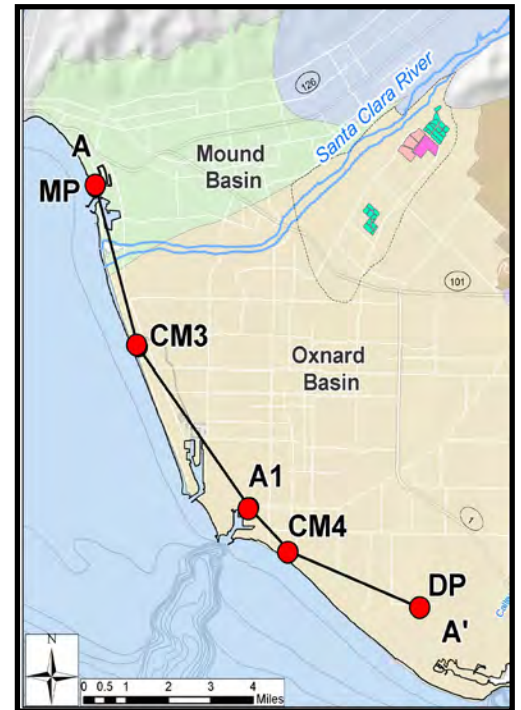
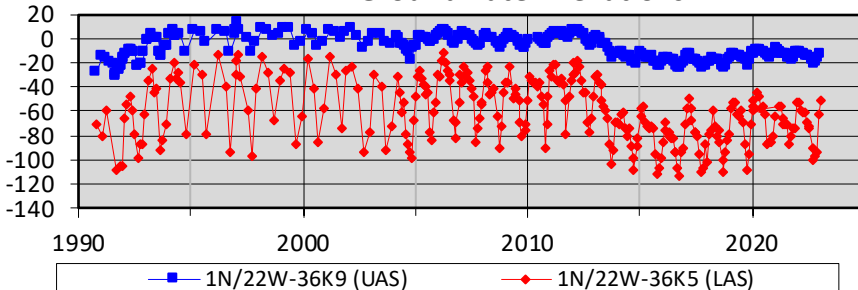
**CM3 Groundwater Elevations**



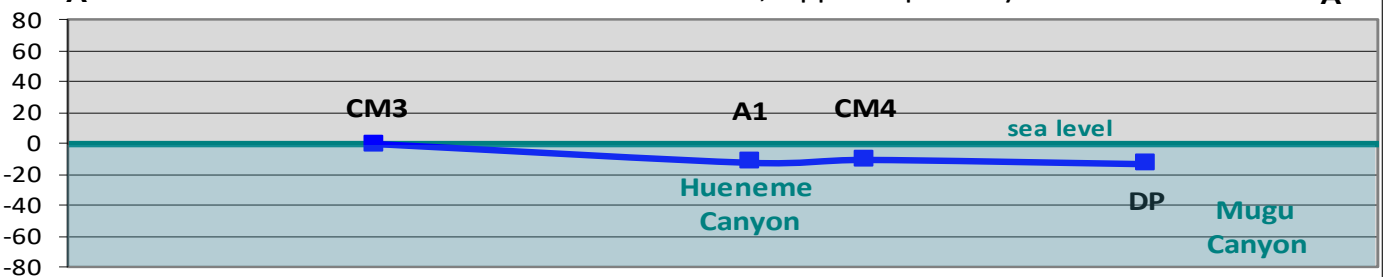
**A1 Groundwater Elevations**



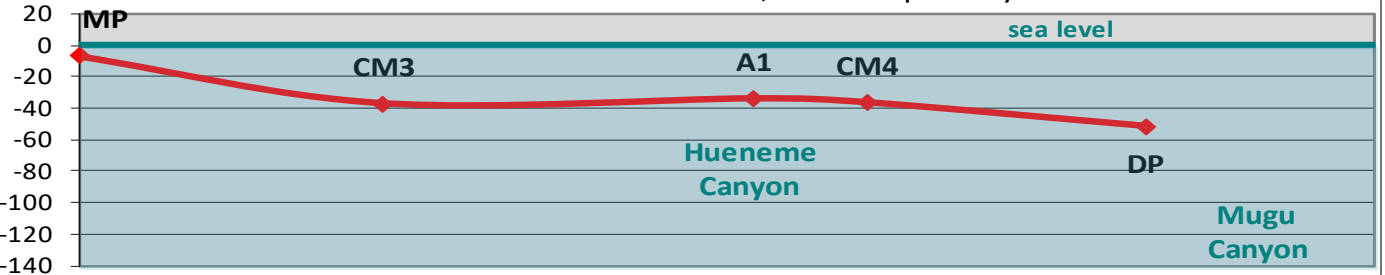
**DP Groundwater Elevations**



**Coastal Groundwater Elevation Transect, Upper Aquifer System**



**Coastal Groundwater Elevation Transect, Lower Aquifer System**



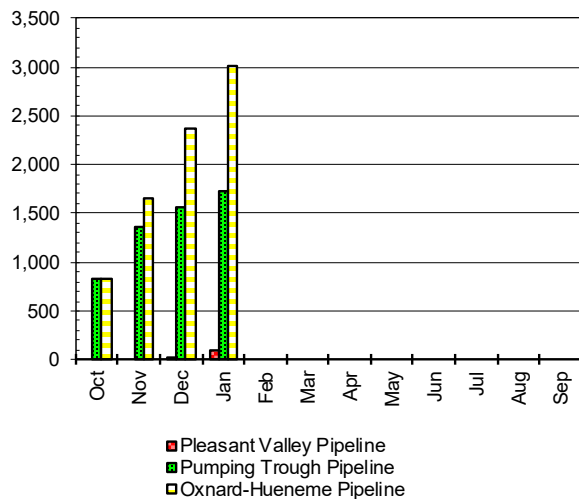
## Monthly Water Deliveries, acre-feet (Water Year 2022/23)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	7.9	84.3								
PV Pipeline (Saticoy well field)	0.0	0.0	0.0	0.0								
Total to Pleasant Valley Pipeline	0.0	0.0	7.9	84.3								
PTP (surface water)	0.0	0.0	64.5	143.7								
PTP (PTP 1-5)	706.9	500.4	145.6	21.0								
PTP (OH-12/13)	116.5	32.1	0.0	0.0								
PTP (Saticoy well field)	0.0	0.0	0.0	0.0								
Total PTP	823.4	532.5	210.1	164.7								
C-customers (surface water)	0	0	0	0								
Saticoy Well Field (groundwater)	0.0	0.0	0.0	0.0								
O-H Pipeline (groundwater)	835.8	818.2	713.2	643.3								
Total Surface Water Delivery (PTP, PV, c-cust)	0.0	0.0	72.4	228.0								
Total Groundwater Delivery (PTP, OH, Sat)	1,659.2	1,350.7	858.8	664.3								
Total Delivery (surface water, groundwater)	1,659.2	1,350.7	931.2	892.3								

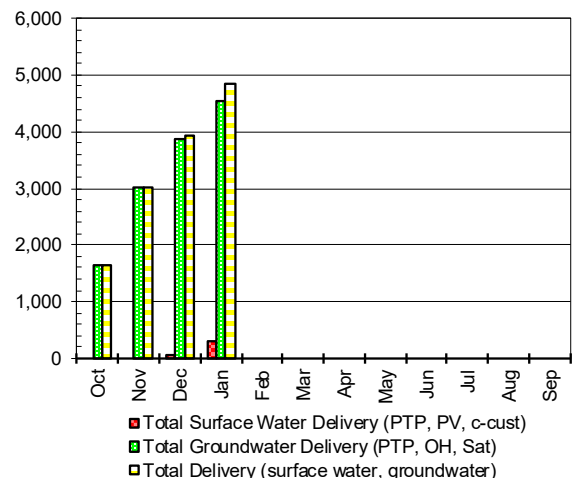
## Cumulative Water Deliveries, acre-feet (Water Year 2022/23)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	7.9	92.2								
PV Pipeline (saticoy well field)	0.0	0.0	0.0	0.0								
Total to Pleasant Valley Pipeline	0.0	0.0	7.9	92.2								
PTP (surface water)	0.0	0.0	64.5	208.2								
PTP (PTP 1-5)	706.9	1,207.3	1,352.9	1,373.9								
PTP (OH-12/13)	116.5	148.6	148.6	148.6								
PTP (Saticoy well field)	0.0	0.0	0.0	0.0								
Total PTP	823.4	1,355.9	1,566.0	1,730.7								
C-customers (surface water)	0.0	0.0	0.0	0.0								
Saticoy Well Field (groundwater)	0.0	0.0	0.0	0.0								
O-H Pipeline (groundwater)	835.8	1,654.0	2,367.2	3,010.5								
Total Surface Water Delivery (PTP, PV, c-cust)	0.0	0.0	72.4	300.4								
Total Groundwater Delivery (PTP, OH, Sat)	1,659.2	3,009.9	3,868.7	4,533.0								
Total Delivery (surface water, groundwater)	1,659.2	3,009.9	3,941.1	4,833.4								

Cumulative deliveries by system



Cumulative deliveries by source/type



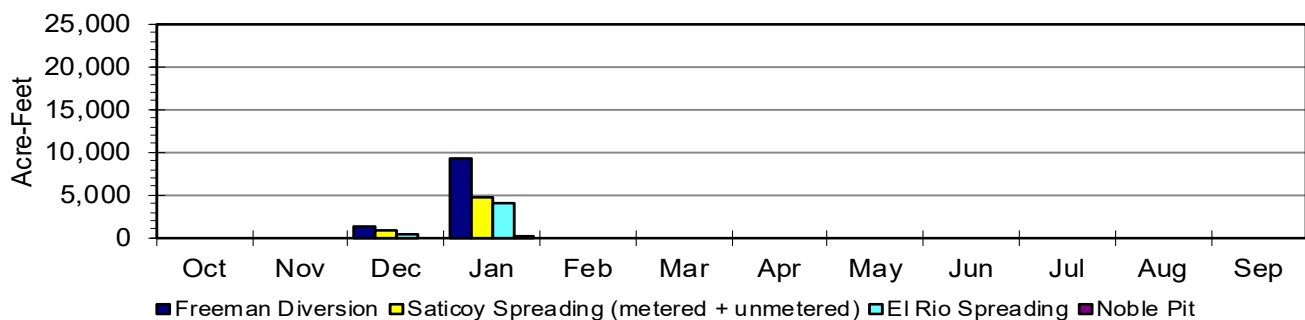
### Monthly diversion and recharge totals by facility, 2022/23, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit	LBMWC Water Use
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	1,360	900	387	0	1
Jan	0	7,937	3,775	3,751	183	NA
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

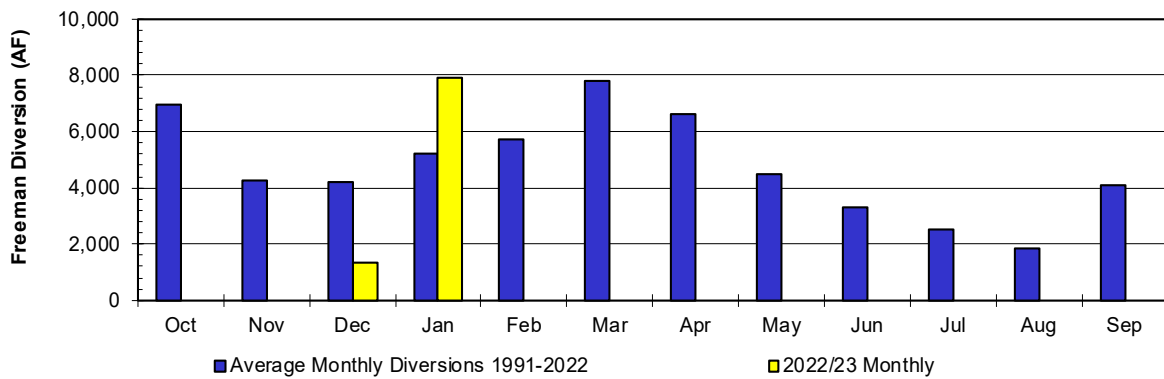
### Cumulative diversion and recharge totals by facility, 2022/23, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit	LBMWC Water Use
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	1,360	900	387	0	1
Jan	0	9,297	4,675	4,138	183	NA
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

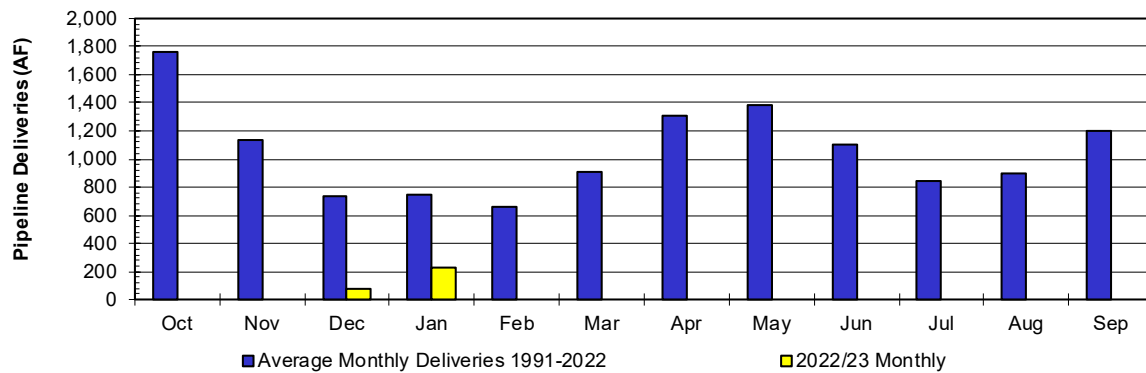
### Cumulative diversion at Freeman, and distribution to recharge facilities



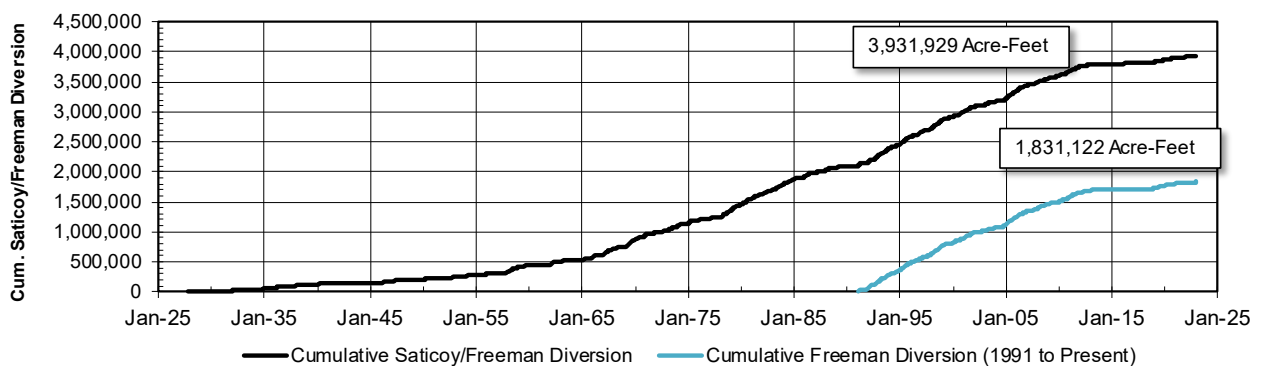
Monthly 2022/23 diversion at Freeman, compared to average monthly diversions (1991-2022)



Monthly 2022/23 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2022)

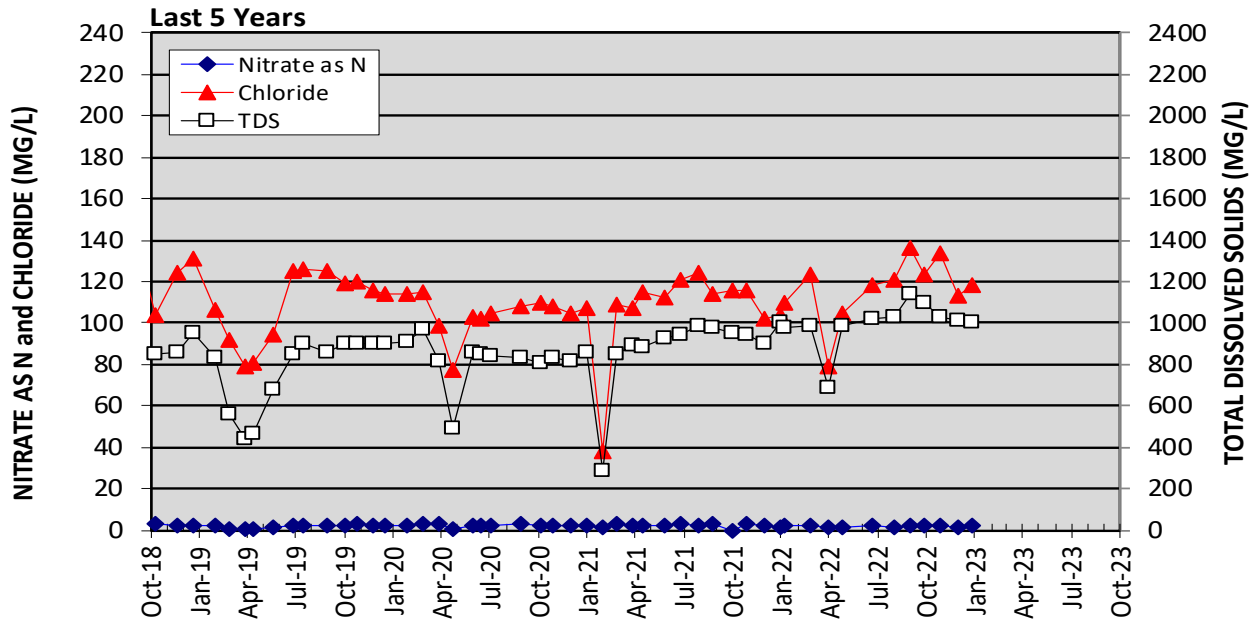


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

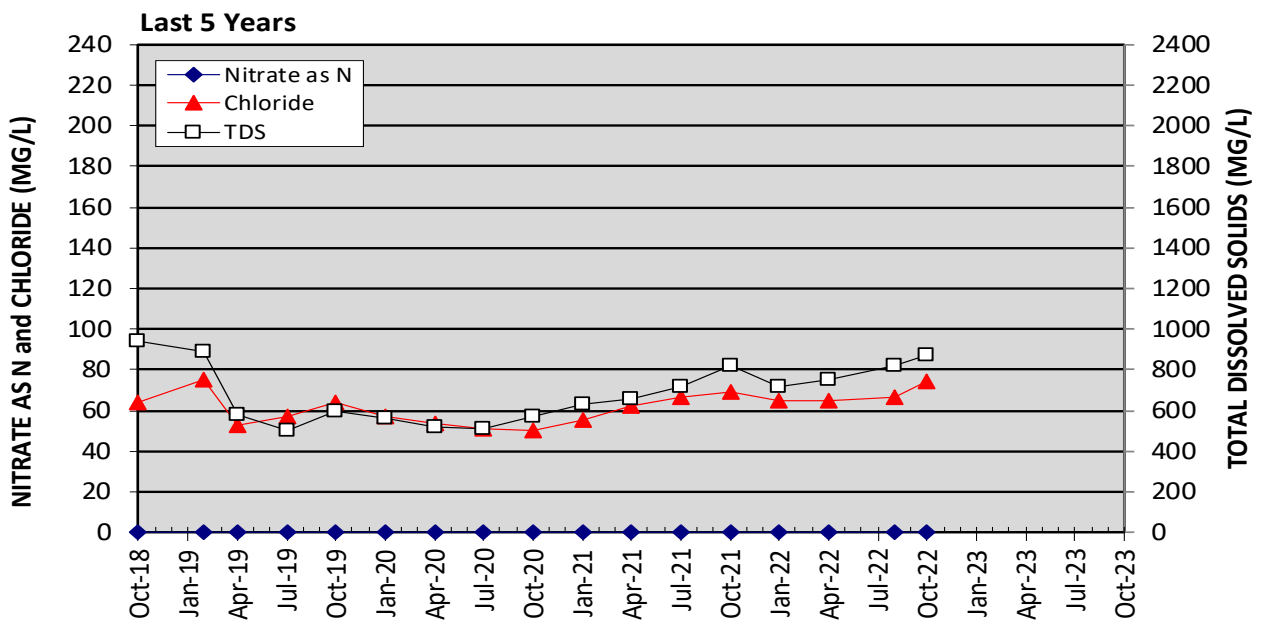


# Water Quality

Santa Clara River water quality near Los Angeles/Ventura County line

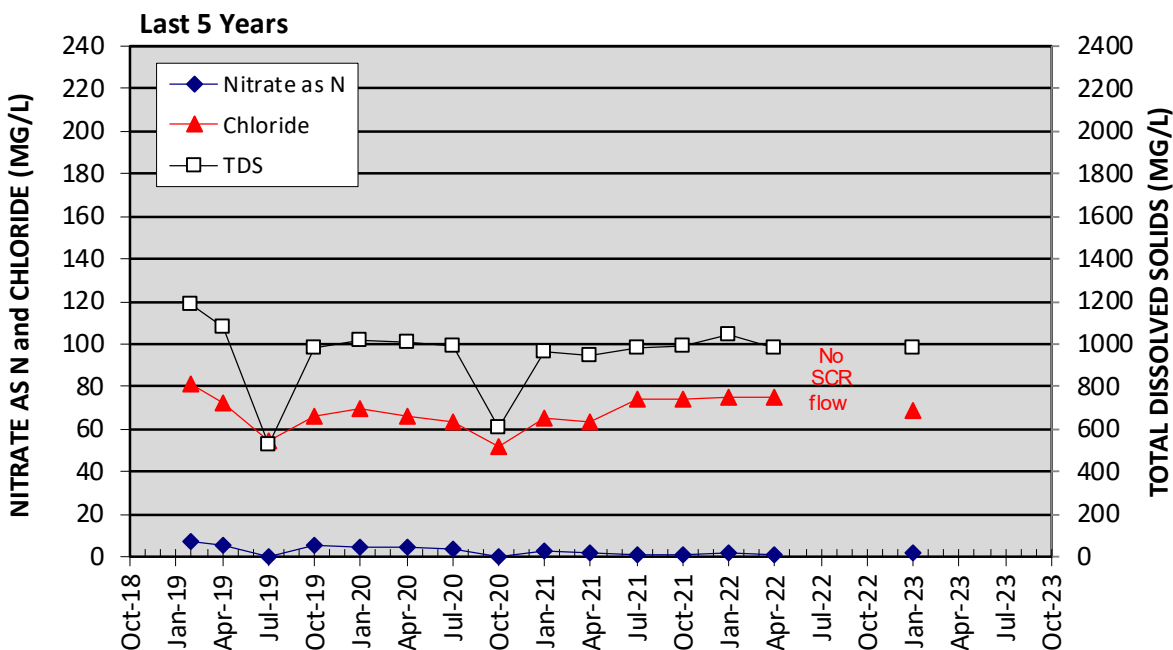


Piru Creek water quality below Santa Felicia Dam

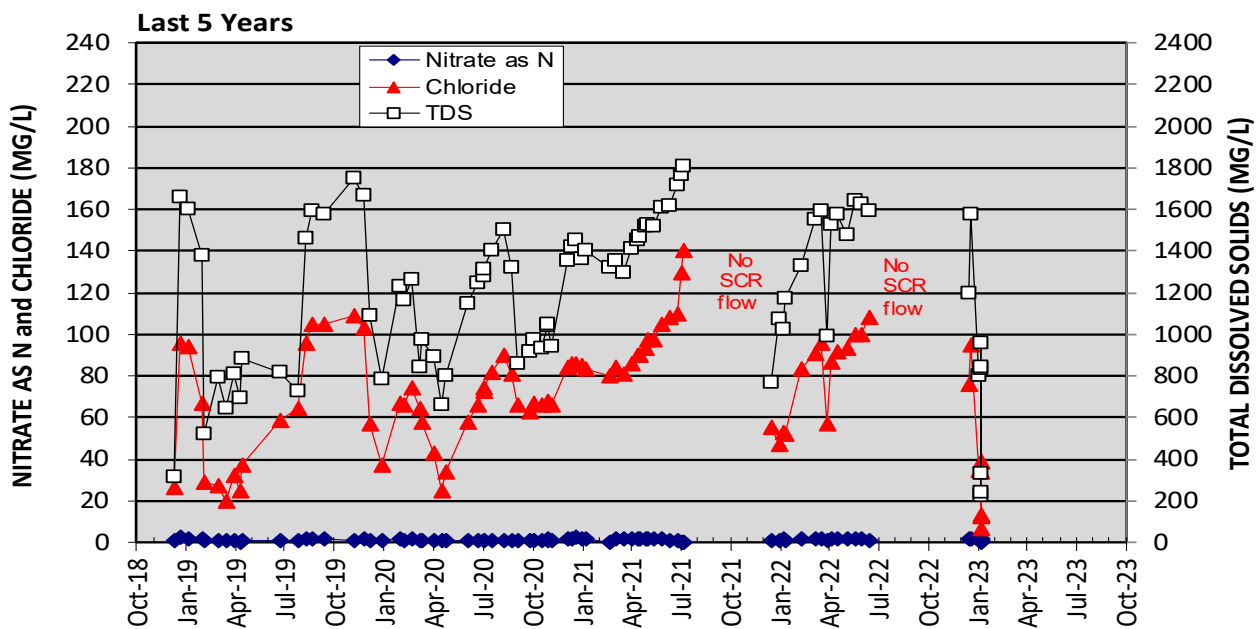


# Water Quality

Santa Clara River water quality near Fillmore Fish Hatchery

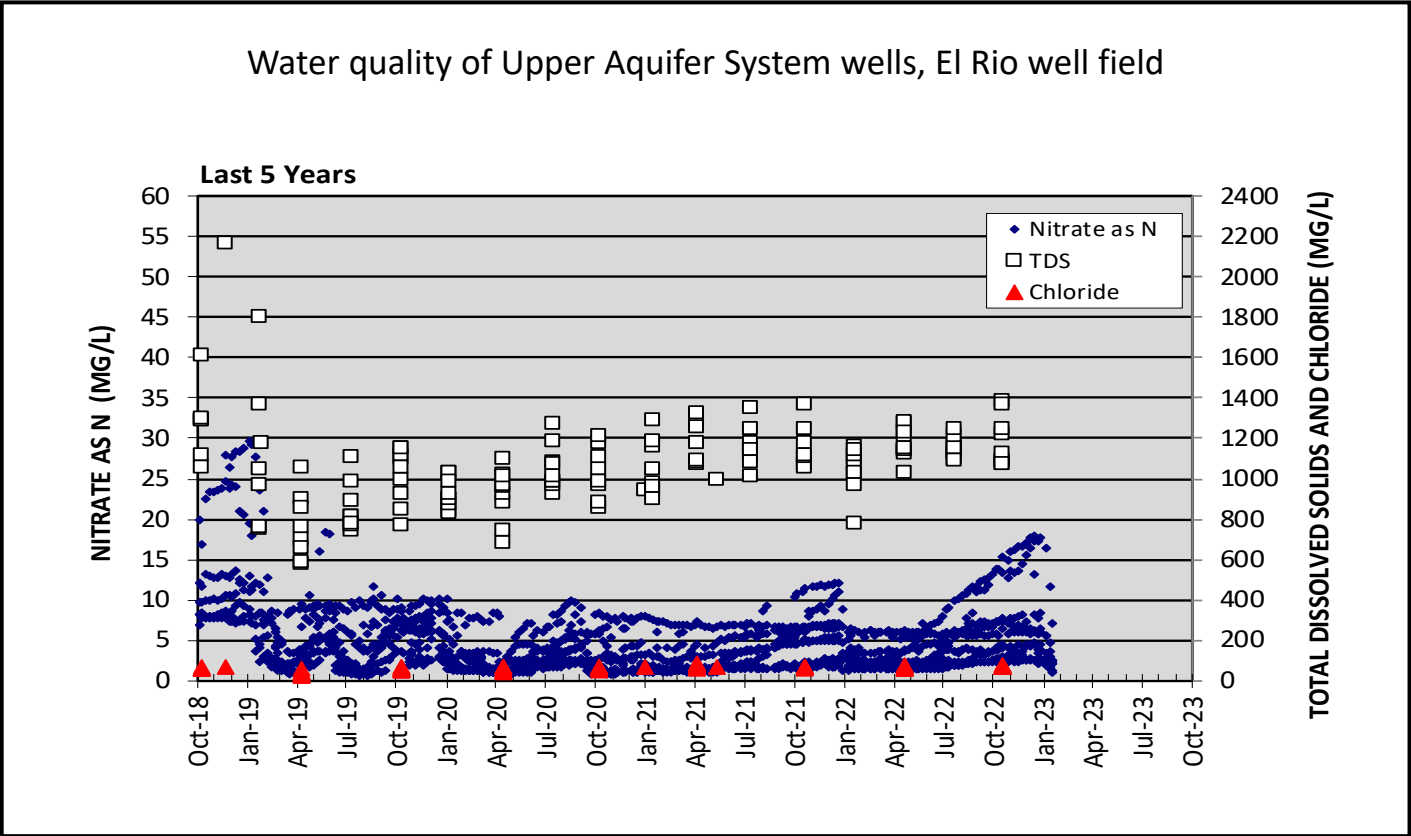


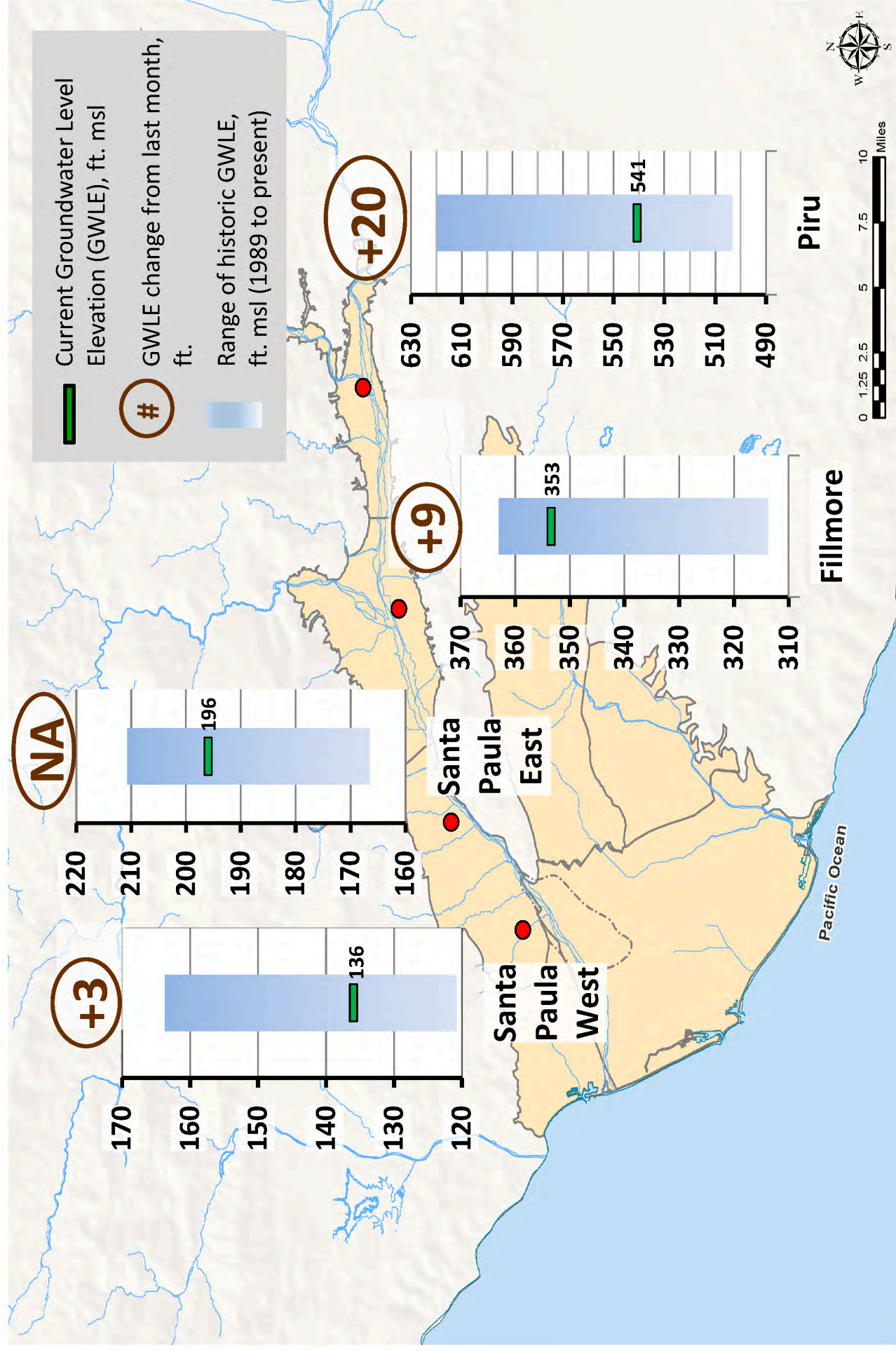
Santa Clara River water quality at Freeman Diversion



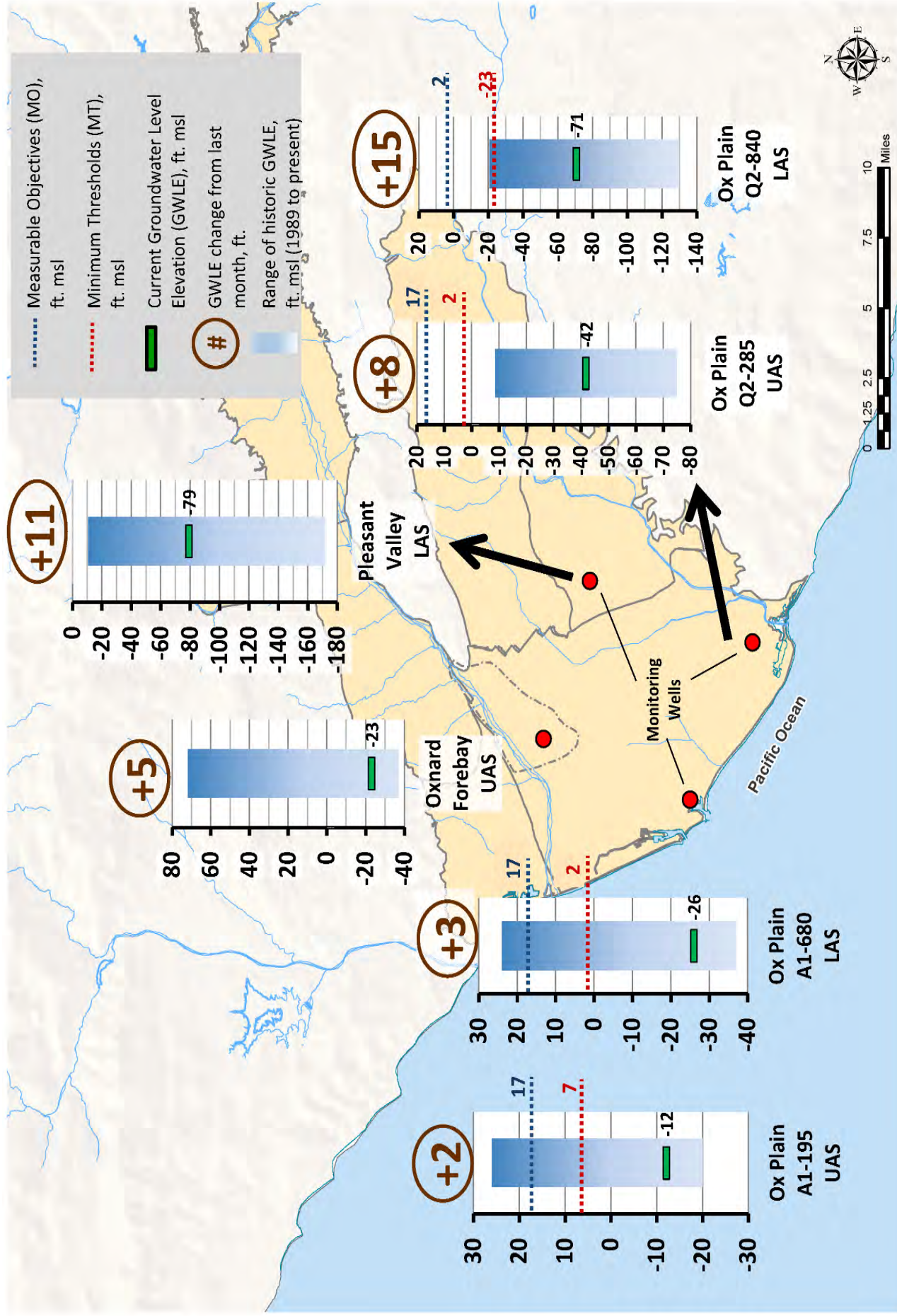


# Water Quality

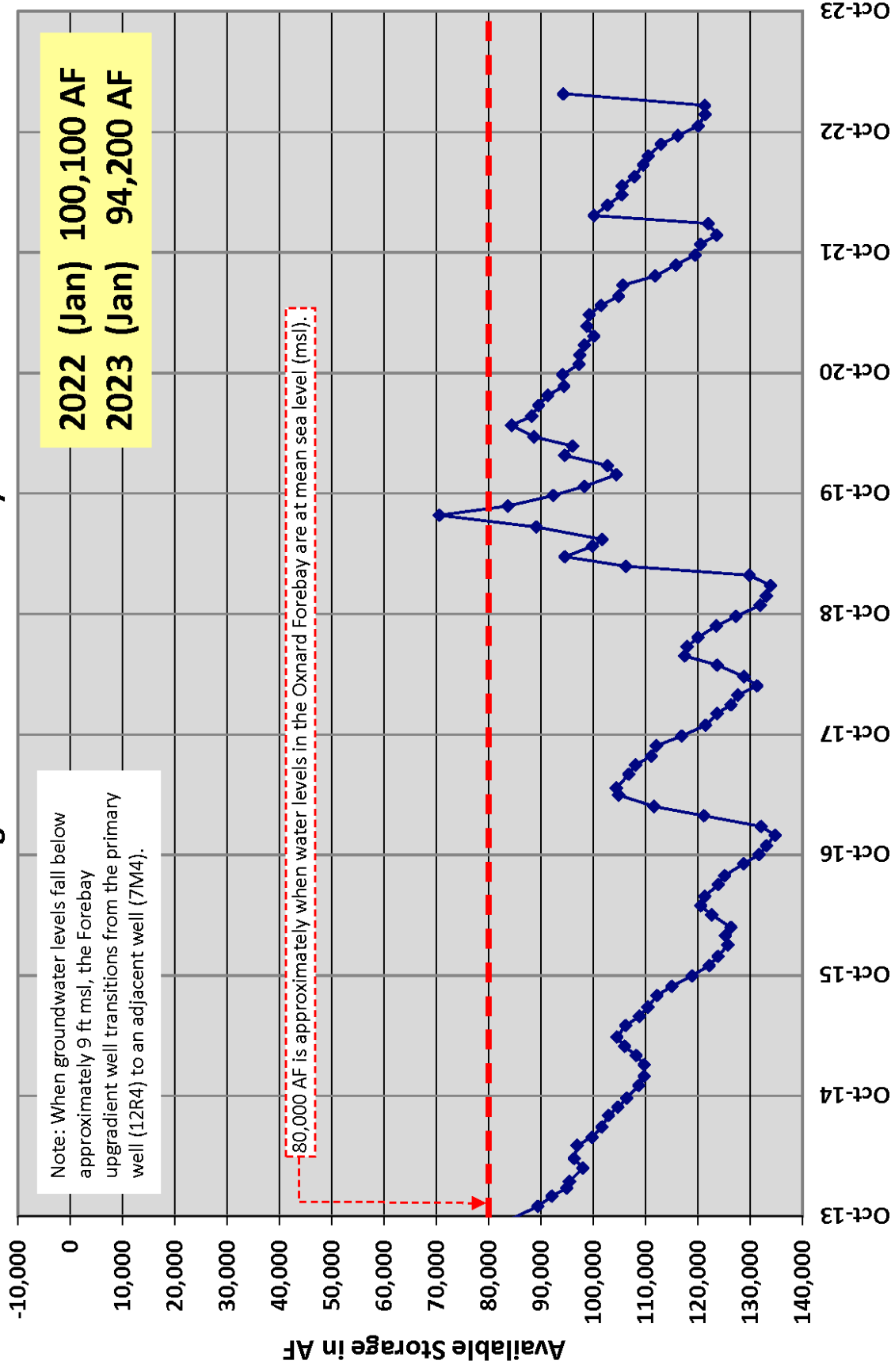


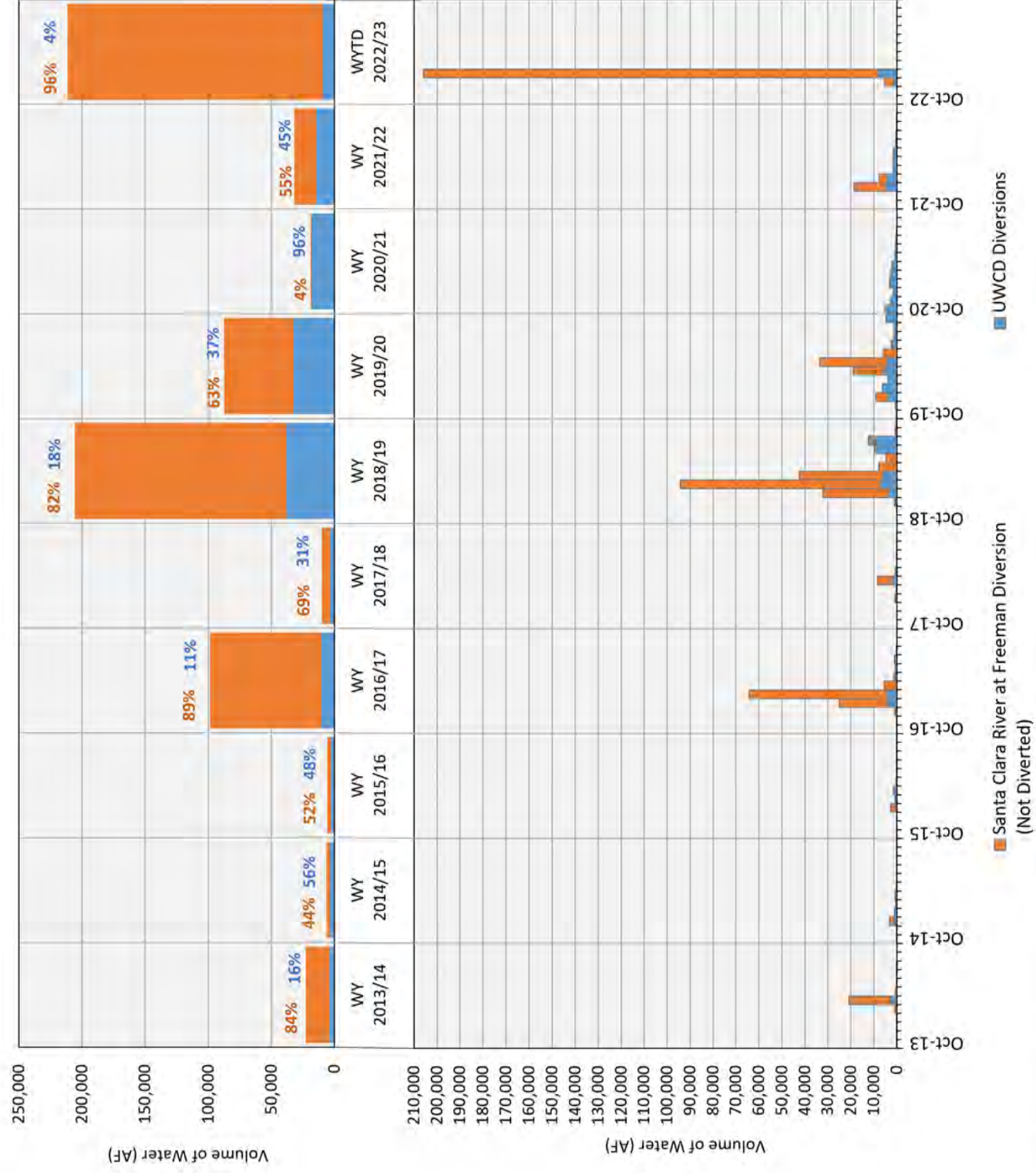






## Available Storage in the Oxnard Forebay - Last 10 Years





Water Year (WY) = October 1 to September 30; WYTD = Water Year To Date



**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager  
Anthony A. Emmert, Assistant General Manager

**From:** Brian H. Zahn, Chief Financial Officer  
Daryl Smith, Controller

**Date:** January 24, 2023 (February 8, 2023 meeting)

**Agenda Item:** 3C. Monthly Investment Report (December 31, 2022)  
**Information Item**

---

**Staff Recommendation:**

The Board will receive and review the most current investment report for December 31, 2022, that is enclosed.

**Discussion:**

Informational purposes.

**Fiscal Impact:**

As shown.

**Attachment:**

Combined Investment Report



**United Water Conservation District**  
**Monthly Investment Report**  
**December 31, 2022**

<b><u>Investment Recap</u></b>	<b><u>G/L Balance</u></b>	<b><u>Weighted Avg Days to Maturity</u></b>	<b><u>Diversification Percentage of Total</u></b>
Bank of the Sierra	3,470,309	1	7.88%
Citizens Business Bank	2,778,457	1	6.31%
US Bank - 2020 COP Bond Balance	10,203,188	1	23.17%
Petty Cash	4,400	1	0.01%
County Treasury	1,712	1	0.00%
LAIF Investments	27,587,193	1	62.62%
<b>Total Cash, Cash Equivalents and Securities</b>	<b>44,045,258</b>		<b>100.00%</b>
 <b>Investment Portfolio w/o Trustee Held Funds</b>	 <b>44,045,258</b>		
<b>Trustee Held Funds</b>	<b>-</b>		
<b>Total Funds</b>	<b>44,045,258</b>		

<b>Local Agency Investment Fund (LAIF)</b>	<b>Beginning Balance</b>	<b>Deposits (Disbursements)</b>	<b>Ending Balance</b>
	27,587,193	-	27,587,193
	<b>Interest</b>	<b>Interest</b>	
	<b>Earned YTD</b>	<b>Received YTD</b>	<b>Qtrly Yield</b>
	266,445	323,826	2.07%

All District investments are shown above and conform to the District's Investment Policy. All investment transactions during this period are included in this report. Based on budgeted cash flows the District appears to have the ability to meet its expenditure requirements for the next six months.

DocuSigned by:  
  
 36023F-9D982745E  
**Mauricio E. Guardado, Jr., General Manager**

1/24/2023

**Date Certified**

DocuSigned by:  
  
 005995C7008D48E  
**Anthony Emmert, Assistant General Manager**

1/24/2023

**Date Certified**

DocuSigned by:  
  
 6894D8302A272A3  
**Brian H. Zahn, Chief Financial Officer**

1/24/2023

**Date Certified**

<b><i>United Water Conservation District</i></b>			
<b><i>Cash Position</i></b>			
<b>December 31, 2022</b>			
<b>Fund</b>	<b>Total</b>	<b>Composition</b>	<b>Restrictions/Designations</b>
<b>General/Water Conservation Fund:</b>			<b>Revenue collected for district operations</b>
General/Water Conservation	14,323,521	348,333	Includes General, Rec & Ranger, Water Conservation
		4,962,000	Reserved for legal expenditures
		6,184,000	Designated for replacement, capital improvements, and environmental projects
		2,829,188	Supplemental Water Purchase Fund
General CIP Funds	7,121,800	7,121,800	Appropriated for capital projects
2020 COP Bond Funds	6,331,923	6,331,923	Reserved for CIP Projects
<b>Special Revenue Funds:</b>			<b>Revenue collected for a special purpose</b>
State Water Project Funds	6,770,499	6,770,499	Procurement of water/rights from state water project
<b>Enterprise Funds:</b>			<b>Restricted to fund usage</b>
Freeman Fund	841,625	841,625	Operations, Debt Service and Capital Projects
		-	Designated for replacement and capital improvements
		-	Reserved for legal expenditures
Freeman CIP Fund	1,403,675	1,403,675	Appropriated for capital projects
OH Pipeline Fund	2,638,002	2,638,002	Delivery of water to OH customers
OH CIP Fund	1,022,186	1,022,186	Appropriated for capital projects
OH Pipeline Well Replacement Fund	576,815	576,815	Well replacement fund
PV Pipeline Fund	540,102	540,102	Delivery of water to PV customers
PV CIP Fund	235,239	235,239	Appropriated for capital projects
PT Pipeline Fund	1,147,545	1,147,545	Delivery of water to PTP customers
PT CIP Fund	1,092,326	1,092,326	Appropriated for capital projects
<b>Total District Cash &amp; Investments</b>	<b>44,045,258</b>	<b>44,045,258</b>	



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager  
Brian Collins, Chief Operations Officer

**From:** John Carman, Programs Supervisor

**Date:** January 30, 2023 (February 8, 2023, Meeting)

**Agenda Item:** 4.1 Monthly Operations and Maintenance Department Report  
**Information Item**

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#### **Staff Recommendation:**

The Board will receive and file this staff report from the Operations and Maintenance department regarding its activities for the month of January.

#### 1. Water Releases, Diversions

- Lake Piru rose 50.4 feet in January to 51,612 acre-feet (AF) of storage.
- 7937 AF of water was diverted by the Freeman Diversion facility in January.
- 3924 AF of water was diverted to the Saticoy recharge basins in January (metered plus unmetered).
- 3519 AF of surface water was delivered to the El Rio recharge basins in January.
- 143.7 AF of surface water was delivered to the PTP system in January.
- 0 AF of surface water was delivered C customers in January.
- 84.3 AF of surface water was delivered to Pleasant Valley County Water District in January.

#### 2. Major Facilities Update

- **Santa Felicia Dam**
    - On February 1, 2023, the lake level was 27.4 feet below the spillway lip.
    - Habitat and migration water releases from Santa Felicia Dam (SFD) were maintained between 15-200 cubic feet per second (cfs), for the month of January, as per the Water Release and Ramping Rate Implementation Plan for Lower Piru Creek.
    - January 10, 2023, over 9" of rain were recorded which resulted in debris slides, lake debris, road damage, preliminary storm cleanup efforts estimated at \$1.5 million dollars.
-

**Agenda Item: 4.1 Monthly Operations and Maintenance Department Report**  
**Information Item**

---

- **Freeman Diversion, Saticoy, and El Rio Recharge Facilities**

- Flows at the Freeman Diversion averaged 129 cfs for the month of January, with 25.7 cfs of surface water being diverted on February 1, 2023.
- Local storm activities produced 21.1 inches of rain in January. District staff operated the Freeman Diversion throughout the month including many nights of labor intensive operations, harvesting runoff, recharging basins, and delivering surface water to PTP and PV pipelines.
- District staff and contractor International Water Screens removed and repaired Freeman Diversion traveling screen. Further repairs may be required.
- Static water levels (distance of water from the well pad to the water table):

	<b>2022</b>	<b>2021</b>	<b>2020</b>
Saticoy	65	110'	125'
El Rio	122.4'	118.7'	102.4'
PTP	100' - 118'	99' - 138'	98' - 132'

- **Oxnard-Hueneme (OH) Delivery System**

- January 1, 2023, the OH Wellfield experienced a 60 hour shutdown due high voltage isolator failure, repairs performed by contractor Oilfield Electric.
- January 24, 2023, staff assisted contractor Waukesha Pierce Industries to install the El Rio Booster Plant rebuilt natural gas engine #4.
- All OH Wells upper and lower bearing oil reservoirs changed and sampled.

- **Pleasant Valley County Water District (PVCWD)**

- PVCWD received United's surface water supply, surface supply from Conejo Creek Project and received some highly treated recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF).

- **Pumping Trough Pipeline (PTP)**

- During the month of January, the PTP system demand was met with both PTP wells and surface water.
- Staff installed new signs at all PTP Well sites.
- On January 25, 2023, staff assisted contractor General Pump with installing a new pump, discharge head and motor at PTP Reservoir.
- All PTP Wells upper and lower bearing oil reservoirs sampled and changed.

**Agenda Item: 4.1 Monthly Operations and Maintenance Department Report**  
**Information Item**

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- **Instrumentation**

- Instrumentation staff removed and sent OH Well 18 to contractor DeMaria Electric for motor re-wind.
- Following a lengthy electrical wellfield outage, staff disconnected, meggered and manually heated windings on all OH Wells assuring proper startup conditions.
- Instrumentation calibrated the Freeman Diversion Flodar meter.
- January 12, 2023, Instrumentation staff installed spare Solitax turbidity sensor at Freeman Diversion.
- Staff replaced and calibrated Freeman Diversion Flocculation pump.
- Instrumentation staff troubleshot and repaired the Dos Diego Well manifold valve.

- **Lake Piru Water System**

- All chlorine residuals and turbidity readings for the drinking water system were within proper ranges for the month of January.
- Rainfall and runoff reduced water quality beyond the treatment plant capacity, the potable water treatment plant offline. Potable water is being trucked in until lake turbidity levels decline.
- Monthly pH, turbidity and coliform samples were obtained for Lake Piru, as part of the Long Term 2 Enhanced Surface Water Treatment Rule compliance monitoring.

3. Operations and Maintenance Projects Update

- The Iron and Manganese grant funded project is progressing well at El Rio Booster Plant, projected completion date June 30, 2023.

4. Other Operations and Maintenance Activities

- The Santa Felicia Dam Emergency Action Plan sirens located in Piru were exercised on January 6, 2023.
- The monthly inspection of Santa Felicia Dam was performed.
- Staff repaired storm drains in Ferro Basin.
- Monthly bacteria samples were obtained for the PTP system.
- Monthly meter readings were obtained for the OH, PTP, and PV Pipelines.
- Completed and electronically transmitted the monthly OH Pipeline report to the State Water Resources Control Board Division of Drinking Water.
- Static water levels were obtained for all El Rio, Saticoy, and PTP wells.
- Weed abatement continued throughout the District.

**Agenda Item: 4.1 Monthly Operations and Maintenance Department Report**  
**Information Item**

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5. Safety and Training

- During the month of January, approximately 3100 hours of O & M department work were performed with no reportable accidents.
- The online Target Safety assignment for December was “Water Industry Excavation.” One Safety Meeting was conducted on at the District’s Headquarters, covering Excavation and Trenching Safety. Three safety videos were shown & discussed with staff— *Trench Collapse* by Ed Davidson, *WSO Water Distribution Grades 1 & 2: Trenching and Shoring, Ch. 6* by American Water Works, and *Trench Collapse Rescue 02/27/2021* by United Fire. The meeting emphasized the different types of potential hazards as well as the severity of those hazards associated with excavation and trenching activities. Similar to last month, the remaining O&M staff who are part of the Dam Safety Program continued receiving Satellite Phone refresher training. This training covered operational requirements, utilizing the DHS Government Emergency Telecommunications Services (GETS), and successfully demonstrated the ability to utilize a Satellite Phone (e.g., dialing an unlisted number and sending SMS text messages).
- Tailgate safety meetings were conducted at all individual O&M field locations and the topics included refresher training on equipment used at the various O&M locations.

**Attachment:** Operations Log for January

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**OPERATIONS LOG v 10/7/21**

DATE	SANTA FELICIA DAM								FREEMAN DIVERSION**					RECHARGE				IRRIGATION						O-H		
	SFD El.	Stor.	Surface	Evap.	Inflow Balance	Outflow USGS	Hydro	Rain 106E	River	Diverted	Fish*** Facility	Bypass Channel	Crest	El Rio	Saticoy Facility		Noble/ Rose	Ptru	T.I.D.	P.T.P.	PVCWD		L.P.	Saticoy Wells	Total	Cl2
	Fl.	A/F	Acres	Inches	Av. CFS	Av. CFS	Kw	Inches	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Misc CFSI	Weir CFS	Av. CFS	Av. CFS	A/F	A/F	A/F	%	A/F	A/F	A/F	Lbs.
A/F*		14407			867	1,433		7.03	5,320	1,360	163	3,259		387	908		0	0.0	65	65	6		0.0	0	2,515	19,866
1/1/23	976.57	14840	483.90	0.038	232	12.9	0	2.91	3090	177	52.5	645.6	2214.8	36.16	137	3.71	0	0.0	0.2	0.1	0.1	0.00	0.0	0.0	17.6	150
1/2/23	977.08	15088	487.60	0.047	141	15.41	0	0.03	748	150	92.7	0	505.5	84.52	-39	103.94	0	0.0	0.1	0.2	0.0	0.00	0.0	0.0	14.6	179
1/3/23	977.71	15397	492.90	0.031	172	15.46	0	0.29	285	12	92.7	0	180.5	28.39	-17	0	0	0.0	0.6	0.5	0.1	0.00	0.0	0.0	17.6	124
1/4/23	978.44	15759	498.20	0.021	199	15.51	0	0.05	292	11	66.9	25.8	188.4	6.72	4	0	0	0.0	0.2	0.2	0.0	0.00	0.0	0.0	20.2	156
1/5/23	979.63	16357	506.00	0.035	393	90.4	0	1.63	6027	113	16.1	902.6	4996.1	77.27	-2	36.91	0	0.0	0.1	0.0	0.1	0.00	0.0	0.0	19.4	150
1/6/23	983.28	18255	533.70	0.058	1163	204.19	0	0.89	2219	148	37.6	92.7	1940.2	73.66	34	26.94	0	0.0	26.5	6.7	19.8	0.07	0.0	0.0	19.5	168
1/7/23	983.48	18362	535.40	0.036	257	202.1	0	0.00	524	213	89	0	221.6	105.83	1	104.45	0	0.0	4.0	3.6	0.4	0.00	0.0	0.0	19.3	161
1/8/23	983.59	18421	536.30	0.040	144	114	0	0.00	309	56	95.4	0	157	68.85	-17	4.48	0	0.0	0.5	0.4	0.1	0.00	0.0	0.0	18.6	156
1/9/23	985.04	19209	550.20	0.032	463	65	0	1.97	28988	22	33.6	1205.5	27727.7	35.19	-14	0.46	0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	19.3	125
1/10/23	1005.83	33160	789.00	0.021	7068	22	0	9.14	33831	5	0	2100	31726.6	12.43	-9	1	0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	18.7	134
1/11/23	1013.67	39626	855.00	0.044	3290	23.9	0	0.38	4934	29	9.8	1535.3	3360	12	16	0	0	0.0	1.9	1.9	0.0	0.00	0.0	0.0	21.0	199
1/12/23	1015.51	41210	867.00	0.070	824	22.79	0	0.00	2043	252	65.5	0	1725.2	80.08	75	94.04	0	0.0	5.8	4.3	1.5	0.00	0.0	0.0	21.2	247
1/13/23	1016.41	41992	872.00	0.053	421	24.66	0	0.00	1169	322	88.4	0	759	113.75	-3	206.04	0	0.0	8.6	8.8	0.0	0.00	0.0	0.0	18.3	156
1/14/23	1017.12	42613	876.00	0.043	341	26.44	0	0.00	2489	201	65.5	771.4	1451.2	113.03	-95	182.12	0	0.0	0.7	0.7	0.0	0.00	0.0	0.0	21.0	164
1/15/23	1018.76	44057	885.00	0.033	839	109	0	2.08	2692	198	80.7	630.8	1782.2	77.07	61	60.62	0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	20.8	180
1/16/23	1020.37	45488	893.00	0.031	927	204.19	0	1.48	3790	291	67.2	139.9	3291.8	113.15	-8	185.18	0	0.0	0.0	0.1	0.0	0.00	0.0	0.0	21.7	192
1/17/23	1021.32	46339	899.00	0.040	633	202.1	0	0.11	2129	304	72.8	111.1	1640.8	115.44	-10	198.13	0	0.0	1.4	1.4	0.0	0.00	0.0	0.0	21.4	207
1/18/23	1021.98	46934	903.00	0.045	415	114	0	0.00	1222	329	88.1	0	804.9	118.22	-3	211.82	0	0.0	3.1	3.4	0.0	0.00	0.0	0.0	21.3	198
1/19/23	1022.57	47467	906.00	0.048	334	64	0	0.00	1069	288	85.4	132	563	98.14	-15	203.06	15.98	0.0	4.7	5.0	0.0	0.00	0.0	0.0	20.9	197
1/20/23	1023.37	48194	911.00	0.071	397	28.39	0	0.00	861	282	88.2	0	490.5	93.24	-33	217.46	69.25	0.0	8.3	8.0	0.3	0.00	0.0	0.0	22.5	198
1/21/23	1023.64	48440	913.00	0.084	154	28.63	0	0.00	709	136	88.9	0	484.2	85.31	-14	58.19	7.15	0.0	12.2	11.5	0.7	0.00	0.0	0.0	21.8	197
1/22/23	1024.20	48952	916.00	0.058	285	24.82	0	0.00	618	104	88.6	0	425.5	89.31	-11	25.1	0	0.0	0.6	0.5	0.1	0.00	0.0	0.0	23.2	209
1/23/23	1024.75	49457	920.00	0.075	281	24.44	0	0.00	572	65	89	0	417.2	62.78	-3	0	0	0.0	11.3	11.4	0.0	0.00	0.0	0.0	23.7	214
1/24/23	1025.22	49891	924.00	0.088	245	24.51	0	0.00	541	56	70.4	22.9	392.3	47.38	3	0	0	0.0	9.9	9.6	0.3	0.00	0.0	0.0	22.8	191
1/25/23	1025.63	50271	928.00	0.050	217	24.55	0	0.00	485	50	71.6	0	363.6	35.42	1	0	0	0.0	25.3	12.2	13.1	0.13	0.0	0.0	22.6	219
1/26/23	1025.96	50578	931.00	0.091	181	24.58	0	0.00	450	39	88.2	0	322.7	19.22	0	0	0	0.0	38.9	17.1	21.8	0.29	0.0	0.0	26.4	242
1/27/23	1026.26	50858	934.00	0.092	168	24.6	0	0.00	417	35	88.3	0	293.3	17.52	2	0	0	0.0	31.0	17.1	13.9	0.20	0.0	0.0	21.2	187
1/28/23	1026.48	51065	936.00	0.054	130	24.61	0	0.00	392	33	88.7	0	269.9	17.79	5	0	0	0.0	20.9	13.1	7.8	0.12	0.0	0.0	24.0	223
1/29/23	1026.67	51243	938.00	0.055	116	24.63	0	0.00	369	32	87.9	0	249.7	18.93	8	0	0	0.0	9.1	2.0	7.1	0.11	0.0	0.0	22.8	196
1/30/23	1026.88	51441	940.00	0.037	125	24.66	0.19	0.19	403	33	89.1	0	280.3	21.62	10	0	0	0.0	2.7	0.5	2.2	0.03	0.0	0.0	20.5	197
1/31/23	1027.06	51612	942.00	0.064		24.67	0	0.00	346	27	90.1	0	229.5	16.06	7	0	0	0.0	7.5	7.6	0.0	0.00	0.0	0.0	19.4	143
TOTAL CFS					20557	1851		21.15	104008	4008	2229	8316	89455	1894	71	1924	92	0.0								
AVERAGE CFS					685	60			3355	129	72	268	2886	61	2	62	3	0.0								
TOTAL A/F					40702	3665			205936	7937	4413	16465	177121	3751	141	3809	183	0.0	236	148	89		0	0.0	643	5659
MONTHLY REVENUE TO DATE (approx.)							\$0	K																		
AVERAGE A/F					1357	118			6643	256	142	531	5714	121	5	123	6	0.0	8	5	3	3%	0	0.0	21	183
WATER YEAR TOTALS A/F					41,569	5,098		28.18	211,256	9,297	4,576	19,724	177,121	4,138	4,857		183	0.0	301	213	95		0	0	3,158	25,525
* Input total A/F previous month																										
** Daily averages imported from Ranch Systems																										
*** Fish facility flows include Denil fishladder, aux pipe and smolt bypass pipe																										
I Includes Ponds A, C, E, and I overflows, temporary storage in the desilting basin and Pond B, JLB diversions, losses between meters. Negatives mean prior storage from pond B or desilting basin is discharging to other metered sources.																										



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Clayton W. Strahan, Chief Park Ranger

**Date:** January 22, 2023 (February 8, 2023, meeting)

**Agenda Item:** 4.2 Monthly Park and Recreation Department Report  
**Information item**

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#### **Staff Recommendation:**

The Board will receive and file this staff report from the Parks and Recreation Department regarding its activities for the month of January 2023.

#### **Discussion:**

During the month of January, the Piru area received 20.96 inches of rainfall. Staff worked throughout the month to deal with the historic flooding conditions as seen throughout the county. As a result of the significant rainfall, the park has experienced \$2,000,000.00 in estimated damages. The marina suffered significant stress due to the sharp increase in water level and a significant debris flow. The marina currently remains anchored offshore and inoperable with only four of eight anchor points remaining attached. The road drains along Piru Canyon road throughout the park have been heavily impacted by sediment and debris, especially the po of the road leading up to both the Juan Fernandez boat ramp and the potholes trailhead. These areas, along with the East Road across the dam were significantly impacted by heavy mud slides. Piru canyon road between h town of Piru and the recreation facility has been closed since the 9<sup>th</sup> due to storm damage. Due to the closures, the recreation area has remained closed to public access.

With the park being closed a majority of this month, visitation numbers have been low. The few long-term campers that have been with us throughout the stormy weather enjoyed a wet and quiet campground. This month we conducted a physical battery test on a potential Park Ranger Cadet.

#### **1. Staff Tasks and Activity Highlights**

- **January 6:** As result of the storm flows in the Satna Clara River, the outflow form Santa Felicia Dam was increased to 200 cubic feet a second (cfs) as required by federal mandate for migration releases for fish. This triggered recreational whitewater boating access as required under the district's FERC license for flows over 200 cfs. As result a notification as sent out to all whitewater stakeholders. The district received zero requests for
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whitewater access.

- **January 8:** Staff completed Annual, and Quarterly Septic Reports for Saticoy, Santa Felica Dam, and Piru as required by the Regional Water Quality Control Board
- **January 9-18:** Staff used heavy equipment to clear Piru canyon road between the dam and the entry kiosk following severe storms to maintain for emergency access.
- **January 14:** Emergency commercial dive services were provided by J.F. Brennan in an attempt to detach shoreside anchors lost underwater in the storms and to attempt to move lakeside anchors. Unfortunately, they were unable to move the lakeside anchors and
- **January 15-19:** Staff spent an entire week working on securing the marina docks, securing the water treatment pump barge and retrieving damaged buoys, antenna arrays from the districts upstream fish traps and attempting to retrieve the patrol vessels from the water.
- **January 17-18:** The lake received domestic water deliveries to provide potable drinking water to onsite staff and campers trapped at the lake as a result of the storm. Heavy sediment flows and high turbidity in the raw lake water rendered the domestic drinking water system inoperable and thus water had to be imported to maintain fire flows and a reliable drinking water source. To date the park has received approximately 24,000 of water via a connection to the water system in the town of Piru as provided by American Water.
- **January 19-25:** Staff spent significant time working to clear drains, cleaning up debris and working to cleanup the park. This is a slow process and will require significant support from outside contractors moving forward.
- **January 24-26:** Staff met with contractors to assess cleanup work around the recreation area to receive proposals for performing the cleanup work.

## 2. Staff Training/Meetings/Events

- **January 4:** Two staff members attended a Herbicide applicator class.
- **January 9-13:** Park Ranger Cadet Michael Groeneveld attended a PC 832 class. The class was about powers to arrest and is the minimum training standard for California peace officers.
- **January 19:** Staff met with the Ventura County public Works Department, Ventura County Office of Emergency Services (OES) and the Federal Emergency Management Agency (FEMA) to assess the storm damage in and around the Lake Piru Recreation Area and to get a request to FEMA for support associated with cleanup.
- **January 24-25:** Staff participated in the state water recreation coordinating committee meetings where they received updates from other recreation areas and reservoirs operated by the state.
- **January 25:** Staff attended a monthly CCUWC water treatment operators luncheon to obtain continuing education credits toward their drinking water treatment certification.

## Revenue and Visitation Recap

2022 Day Use/Other Revenue Recap and Comparison	
2022 Day Use/Other Revenue (Jan. 1 – Dec. 31)	\$369,864.00
2021 Day Use/Other Revenue (Jan. 1 – Dec. 31)	\$368,401.00

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#### 4.5 Monthly Park and Recreation Department Report

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Total Revenue Increase from Prior Year	\$1,463.00
Annual Increase in %	
<b>2022 Camping Revenue Recap and Comparison</b>	
2022 Camping Revenue (Jan. 1 – Dec. 31)	\$509,435.00
2021 Camping Revenue (Jan. 1 – Dec. 31)	\$502,232.00
Total Revenue Increase/Decrease from Prior Year	\$7,203.00
Annual Increase in %	1.42%
<b>Current and Previous Year Comparison (2021 vs. 2022)</b>	
2022 Combined Revenue (Jan. 1 – Dec. 31)	\$888,206.00
2021 Combined Revenue (Jan. 1 – Dec. 31)	\$874,128.00
Annual Increase in %	1.14%

*It should be noted that 2019 was one of the highest revenue years in the history of the park. 2022 is on pace to exceed the 2019 day-use and camping figures.*

<b>2022 Total Visitation Figures</b>				
Month	# Nights/Sites	# People	# Vehicles	# Vessels
Total	5,075	95,083	22,900	3,939

### 3. Incidents/Arrests/Medicals

Rangers responded to two incidents of note during the month of January.

- **January 6** – Rangers responded to a complaint for entry kiosk staff that a return guest, known for not paying her camping fees, was n fact back and had failed to pay her camping fees. The guest in question has history of coming in after hours and refusing to pay for all her stay, claiming that due to religious beliefs she cannot pay during daylight hours. Unfortunately, the guest has a history of not following up on making her payment upon the setting of the sun. The guest was contacted, and she became confrontational. At this time she was evicted and has been placed on a one year ban from the park.
- **January 8** – Rangers responded to an incident of a vehicle doing “doughnuts” in front of the Entry Kiosk. Vehicle identification was passed on to Ventura County Sheriffs Department. No further incident.

### 4. Citations/Enforcement Summary

Throughout January, zero citations were issued for violations of Ordinance 15. It should be noted that numerous other enforcement contacts were made for violations of District ordinances. However, as it is the District’s goal to use education as a means for compliance in most cases, Park Rangers used these incidents as an opportunity to educate the guests via a verbal warning. Citations are typically issued as a last resort when the violation is egregious or voluntary compliance cannot be obtained.

### 5. Grants

Staff is currently evaluating grant funding through the Land and Water Conservation Fund. Grant program currently has 30 million dollars of available funding. Staff is slated to attend a webinar on February 2, 2023, to determine eligibility requirements and to obtain further information on the upcoming funding cycle.



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Maryam Bral, Chief Engineer  
Dan Detmer, Water Resources Manager

**Date:** January 23, 2023 (February 8, 2023, meeting)

**Agenda Item:** 4.3 **Monthly Water Resources Department Report and update on Activities of local Groundwater Sustainability Agencies (GSAs) Information Item**

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#### **Staff Recommendation:**

The Board will receive a summary report on various Water Resources Department activities for the month of January 2023, including a summary of the monthly activities of the three local Groundwater Sustainability Agencies (Fox Canyon Groundwater Management Agency, Fillmore and Piru Basins GSA, and Mound Basin GSA), for which District board members serve as member directors, and the Santa Paula basin (adjudicated) Technical Advisory Committee, for which District staff serve as members. Staff may also report on state-wide issues related to the implementation of the Sustainable Groundwater Management Act (SGMA) of 2014.

#### **Discussion:**

#### **Staff Activities**

In addition to the Department's routine, ongoing groundwater monitoring and reporting programs and its support of Groundwater Sustainability Agencies (summarized below), notable efforts and activities conducted by staff during the past month included the following:

- United's hydrologists are actively monitoring gaging locations to assess flow conditions along the Santa Clara River and major tributaries, and to update rating curves in response to changing channel conditions and morphology.
  - United's hydrologists are assisting other District staff with operational decisions at Freeman Diversion in order to manage problems with sediment accumulation near the intake structure, maximize diversions, and comply with regulative requirements to provide opportunity for fish migration and passage.
  - United's hydrologists are assisting other District staff to assess and comply with *O. mykiss* migration release requirements at Santa Felicia Dam.
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**Agenda Item: 4.3 Monthly Water Resources Department Report and update on Activities of local Groundwater Sustainability Agencies (GSAs) Information Item**

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- Groundwater Modeling:
  - Staff continue to develop a break-out Perched Aquifer Model (PAM) for groundwater flow in the unconfined Semi-perched aquifer in the EBB Water Treatment Project study area. The break-out model will allow higher resolution (both horizontally and vertically) forecasting of groundwater flow in the study area. The model will allow simulation of solute transport in the unconfined perched aquifer, including the inland extent of the natural seawater density wedge at the base of the aquifer near the coastline.
  - Staff continued to apply MODFLOW's "Subsidence package" to the District's existing groundwater flow model of the OPV basins to forecast potential occurrence and magnitude of land subsidence during the model calibration period (1985-2019) and under future assumed pumping scenarios and basin conditions.
  - Staff have begun engaging with Larry Walker Associates, the consultant who is developing the updated salt and nutrient management plan (SNMP) for Pleasant Valley basin, in anticipation of conducting limited groundwater modeling in support of SNMP preparation.
- Staff are assisting the Environmental Services and Engineering Departments in evaluating fish passage design modifications under consideration for United's Habitat Conservation Plan (HCP), including assisting with planning of physical modeling efforts at the Bureau of Reclamation's facility in Denver and at the University of Iowa.
- Staff are working with the Environmental Services and Engineering Departments to kick off and schedule work and deliverables with the consultants selected to conduct the environmental permitting and engineering design efforts for Phase 1 of United's EBB Water Treatment Project. Staff participated in a site visit on January 12 with Navy representatives and our consultants.
- Staff continue to design, plan, and develop specifications for EBB Water Treatment Project Phase 1A groundwater monitoring wells, and are managing the SGM Grant activities associated with this project.
- Staff are assisting the Engineering Department in evaluating the feasibility and water resources impacts of releasing water from Lake Piru and operating at lower reservoir levels as an Interim Risk Reduction Measure prior to and during the construction of the new outlet works. During construction, unprecedented low reservoir levels in the range of elevations 940-945 are needed to be able to build the new multi-port slopping intake and a tunnel.
- Staff continue to assist with planning and coordination for the purchase and release of Table A water and supplemental State Water Project (SWP) water acquired from other SWP contractors. Staff are also working to determine what modifications to United's water right permits and licenses might be required to increase the instantaneous diversion rate at Freeman Diversion.
- Staff continue to collaborate with the Engineering Department to develop, design, and implement a portfolio of new or improved water-supply projects within the District's service area. The collaborative effort is currently focused on refining the conceptual design



**Agenda Item: 4.3 Monthly Water Resources Department Report and update on Activities of local Groundwater Sustainability Agencies (GSAs) Information Item**

Page 3

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of water-supply projects and new conveyance systems so that they produce the best value in terms of sustainable yield for the groundwater basins in United's service area.

- Staff continue to support selection of site locations and design specifications for extraction wells to be included as Phase 1 of the EBB Water Treatment Project.
- Staff submitted a proposal for a Prop 1, Round 3 implementation grant to CA Water Board Department of Financial Assistance (DFA) on July 15 for development of Phase 1B of the EBB Water Treatment Project. United proposed the design and construction of extraction wells and control systems, and discharge pipes and related design, permitting, sampling, and reporting to build the initial phase of the EBB Water Treatment Project before additional investments are made for water treatment and distribution. The Phase 1B project grant proposal cost is estimated at \$18.6 million, and the requested funding is \$8.4 million or 46% of the estimated project cost. DFA has informed United staff that award selection has been postponed until January or February 2023.
- Staff are assisting the Finance Department in preparing reports required by the FCGMA for surface water (from the Santa Clara River) use by the PTP and by PVCWD, deliveries of groundwater to the OH pipeline for M&I use, and deliveries of groundwater and surface water to the PTP for agricultural use. These reports cover water years 2021 and 2022. These are new reports required under the FCGMA's OPV allocation ordinance.

**Outreach and Educational Activities**

- Staff attended an AWA-hosted presentation on "A Wet La Nina, How Unusual?" on January 19.

**Fox Canyon Groundwater Management Agency (FCGMA)**

Staff continue to monitor and, where appropriate, participate in the FCGMA's groundwater sustainability planning and implementation efforts in the Oxnard, Pleasant Valley, and Las Posas Valley basins. United staff continue to meet periodically with FCGMA staff and other stakeholders to develop analyses of benefits and impacts of water-supply projects and different variations of those projects in support of developing a sustainable, resilient water-supply portfolio for the service areas of both agencies. United staff also attended and, where appropriate, contributed to, FCGMA Board and Committee meetings, as follows:

*Board of Directors meetings* – The FCGMA Board held a special closed session meeting on January 5. The sole topic of this special meeting was the ongoing litigation in the case "Las Posas Valley Water Rights Coalition v. Fox Canyon Groundwater Management Agency."

The next regular FCGMA Board meeting is scheduled for January 25, at 1:30 pm. The meeting will be held after the submission of this staff report, and therefore a summary will be included in next month's staff report. Notable agenda items include:

- Consider adopting Resolution 2023-01, "proclaiming January 1, 2023, FCGMA's 40<sup>th</sup> anniversary."
- Receive an update from Agency staff on "preparation of groundwater replenishment fees."

**Agenda Item: 4.3 Monthly Water Resources Department Report and update on Activities of local Groundwater Sustainability Agencies (GSAs) Information Item**

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- Receive an update from Agency staff on the planned February release of the draft GSP for the Arroyo Santa Rosa Valley Basin for public comment.

The next regular FCGMA Board meeting is scheduled for February 22, at 1:30 p.m.

*Operations Committee meetings* – None were held last month.

*Executive Committee meetings* – None were held last month.

*Fiscal Committee meetings* – None were held last month.

*OPV Variance Review Committee meeting* – None were held last month.

*Ad Hoc OPV Projects Committee meetings* – None were held last month.

**Fillmore and Piru Basins Groundwater Sustainability Agency (FPBGSA)**

Staff continue to participate in FPBGSA activities supporting SGMA compliance and GSP preparation for the Fillmore and Piru basins, as follows:

*Board of Directors meetings* – The FPBGSA held a regular board meeting on January 19. Notable topics included:

- The Board received a presentation from Daniel B. Stephens and Associates (DBS&A) and United staff on the updated Agency groundwater sustainability planning and reporting activities during the last month. DBS&A is currently working on the annual report for water year 2022 and a report evaluating land subsidence in the Fillmore and Piru basins.

The next FPBGSA Board meeting is scheduled for February 16, at 4:00 p.m.

*GSP implementation* – None this month, following assistance with the grant application for SGM implementation Round 2 funding in December 2022.

*Data Resources* - A web-based data management and mapping system that includes well construction information and available water level and water quality records for wells within the Piru and Fillmore basins remains available on the agency website, as are numerous technical references relating to the basins and development of the GSPs. Staff recently shared fall water level records with agency consultant DBS&A for formatting and upload to the agency website and to DWR.

**Mound Basin Groundwater Sustainability Agency (MBGSA)**

Staff continue to participate in MBGSA activities supporting SGMA compliance and GSP implementation for the Mound basin, as follows:

*Board of Directors meetings* – The MBGSA held a regular board meeting on January 23. Notable topics included:

- The Board deferred voting for a chair, vice chair/secretary and a treasurer to serve during the calendar year 2023 until the next regular meeting of the MBBSA Board. The reason

**Agenda Item: 4.3 Monthly Water Resources Department Report and update on Activities of local Groundwater Sustainability Agencies (GSAs) Information Item**

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for this deferral was to allow the next United representative to participate in the voting. United is expected to assign one of its Board members to the MBGSA Board on February 8, 2023.

- The Board received a presentation by Agency Attorney Alex Dominquez to discuss the new teleconference rules under the Ralph M. Brown Act.
- The Board approved the annual update of their Stakeholder Engagement Plan.

The next MBGSA Board meeting is scheduled for February 27, at 3:00 p.m. However, the Board members present stated a preference to cancel that meeting, and hold their next regular Board meeting on March 27 at 3:00 p.m.

*GSP implementation* – Staff provide the MBGSA’s Executive Director and consultants various groundwater level and quality data periodically, as requested. Staff are also monitoring pressure transducers to monitor groundwater levels at selected wells in support of data collection efforts being conducted in support of the Mound Basin GSP.

**Santa Paula Basin Technical Advisory Committee (TAC)**

Staff continue to participate in the Santa Paula basin TAC in support of the Santa Paula Basin Judgment and in conformance with SGMA reporting requirements for adjudicated basins, as follows:

- Staff are working with the TAC to finalize the 2021 Annual Report of groundwater conditions within the Santa Paula Basin adjudicated area and submit the report to the court and to DWR.



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager  
Anthony A. Emmert, Assistant General Manager

**From:** Josh Perez, Chief Human Resources Officer  
Brian Zahn, Chief Financial Officer  
Zachary Plummer, Technology Systems Manager  
Tony Huynh, Risk and Safety Manager  
Kris Sofley, Executive Assistant/Clerk of the Board

**Date:** January 31, 2023 (February 8, 2023 meeting)

**Agenda Item:** 4.4 Monthly Administrative Services Department Report  
**Information Item**

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#### **Staff Recommendation:**

The Board will receive this staff report and attached presentation from the Administrative Services Department regarding its activities for the month January 2023.

#### **Discussion:**

##### **Finance**

- Held FY 2023-24 Budget Kickoff meeting with UWCD Management team.
- Met with Department Managers to review their December YTD spend and create an updated projection and analysis of total FY 2022-23 spend.
- Continued to coordinate with Auditors to complete the FY 2021-22 State Controller's reports for UWCD and the GSAs. Deadline for submission is 01/31/2023.
- Continued working with Auditors to complete Single Audit process for Federal Grants received in FY 2021-22.

##### **Administrative**

- Provided administrative assistance for drafting, finalizing, and distributing/posting materials for the UWCD Finance and Audit (1/2), Water Resources (1/31), Engineering and Operations (1/5), Executive (1/24) and Ad Hoc Legislative (1/25) Committee meetings as well as a Special Board Meeting (1/24) and the regular UWCD Board meeting (1/11).
  - Provided administrative assistance for drafting, finalizing, and distributing/posting materials for the Fillmore and Piru Basins Groundwater Sustainability Agency's Regular Board meeting (January 19) and for the Mound Basin GSA Regular Board meeting (January 23).
-

- Provided administrative assistance and support for the AWA VC Water Issues Committee meeting (1/17) and AWA VC WaterWise (NOAA) event (1/19) utilizing UWCD's Boardroom and technical support.
- Provided administrative assistance and support as well as technical support to the Water Coalition of Ventura County's general membership meeting (1/15) VC Farm Bureau's ACP-HLB Gower Meeting (1/30), which had an excellent turnout both in person and virtually. The Farm Bureau staff was very appreciative of UWCD's support and thanked UWCD publicly on its meeting invitation flyer.

**Human Resources**



- Initiated Labor Negotiations with SEIU 721 unit on 01/18/2023.
- Issued Annual Service Awards at January Board Meeting.
- Completed Salary Survey required by MOU internally saving the District \$50,000 annually.
- Held interviews for the Environmental Services Manager position on 01/17/2023.
- Posted external positions as follows:
  - Accountant II (closes 01/23/2023)
  - Environmental Scientist/Regulatory Affairs (closes 01/27/2023)
- Onboarded new Receptionist Marylou Fulton, started on 01/23/2023, due to transfer of Kathryn (Katie) Prado who will take over our Reservations Coordinator position serving in Lake Piru more regularly.
- Park Ranger Cadet interviews completed, and physical agility exams scheduled for 01/26 and 02/02/2023, which were previously on hold due to weather conditions.
- Coordinated employee DOT quarterly testing to comply with DOT-regulated testing requirements.
- Processed the 2022 1094C and 1095C for full time employees required by the Department of Treasury and due to employees by 02/28/2023.

**Safety and Risk Management**





- Supported Lake Piru Disaster Recovery efforts, including documentation & participation in damage assessment with Chief Park Ranger and federal, state and county officials.
  - Finalized multi-departmental SFD Security Gates upgrade project management efforts.
  - Provided initial training on new security system to key O&M staff.
  - Continued refresher satellite training and sign off for O&M staff.
  - Coordinated with Tech Systems Department on security system access for staff.
  - Participated in risk control evaluation by insurance provider alongside Chief Human Resources Officer.
  - Coordinated enrollment of special district grant funding training for staff from multiple departments.
  - Reviewed and signed off on new digital safety inspection platform developed by technology systems specialist, which allowed the District to save money on utilizing a third-party safety inspection application.
-

### **Technology Systems**

- Worked alongside the Finance Department to setup Amazon's new payment provider for the Districts Business Account.
- Tech systems worked with vendor to resolve a damaged network interface creating interference with Audio video system in United's board room.
- Tech systems has been working with Operations and Maintenance Duty operators to modernizing the remote tablet systems used in the field.
- Tech systems continues to provide tech liaison services for hybrid meetings hosted within United's HQ facilities for AWA, Ventura Farm Bureau, and UC Extending Learning Programs.
- Supported and restored functionality after an interruption of services for the districts remote access software that provides UWCD Staff with remote work capabilities.
- Tech systems met and conducted a network assessment with contracted industrial controls subcontractor to be evaluated by the control systems vendor providing the threat monitoring solution.
- Tech systems provided a SharePoint application "Site Safety Inspection Form" for the Districts Risk and Safety division.
- Tech systems was contacted by several departments in advance of the seasons storm events with request for urgent support provide new capabilities to monitor district facilities remotely. Previous remote access solutions where ineffective or had become inaccessible during more recent network and cyber improvements.
- Enabled remote access to security camera video streams for Environmental Services via VPN and QuickConnect solutions.
- Enabled access to and conducted training for Districts video security system for SFD leadership staff.
- Tech Systems monthly activity report highlighted below:

State by Agent						
	Open	In Progress	Awaiting Reply	Pending 3rd party	Waiting for approval	Total
Unassigned	13	1	0	0	1	15
 Ed Reese	1	7	6	0	0	14
 Zachary Plummer	3	10	5	0	2	20
Total	17	18	11	0	3	49


State by Ticket Type						
	Open	In Progress	Awaiting Reply	Pending 3rd party	Waiting for approval	Total
 IT Projects and Change Management	4	5	0	0	0	9
 IT Purchase Request	3	1	0	0	1	5
 IT Services and Support	9	12	11	0	2	34
 SCADA Proj. and Change Management	1	0	0	0	0	1
Total	17	18	11	0	3	49




## Monthly Administrative Services Department Report

### Information Item



Monthly ticket type overview - 2023

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
 IT Services and Support	14	/	/	/	/	/	/	/	/	/	/	/	14
Total	14	/	/	/	/	/	/	/	/	/	/	/	14

Monthly ticket priority overview - 2023

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
 Low	14	/	/	/	/	/	/	/	/	/	/	/	14
Total	14	/	/	/	/	/	/	/	/	/	/	/	14

Monthly ticket source overview - 2023

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
 Email	13	/	/	/	/	/	/	/	/	/	/	/	13
 Website	1	/	/	/	/	/	/	/	/	/	/	/	1
Total	14	/	/	/	/	/	/	/	/	/	/	/	14



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado Jr., General Manager

**From:** Maryam A. Bral, Chief Engineer  
Craig A. Morgan, Engineering Manager  
Robert J. Richardson, Senior Engineer  
Michel Kadah, Engineer  
Adrian Quiroz, Associate Engineer  
Erik Zvirbulis, GIS Analyst

**Date:** January 26, 2023 (February 8, 2023 meeting)

**Agenda Item:** 4.5 Monthly Engineering Department Report  
**Information item**

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#### **Staff Recommendation:**

The Board will receive and file this summary report from the Engineering Department regarding its activities for the month of January 2023.

#### **Discussion:**

1. Santa Felicia Dam Safety Improvement Projects
    - Spillway Improvement Project
      - Staff conducted bi-weekly progress meetings with GEI Consultants on January 3 and January 17 to review and discuss the current design status and concerns.
      - The 60% design efforts continued during this reporting period. This includes the 60% design Structural Analysis related to the High Hazard Potential Dam (HHPD) grant funding.
      - Staff conducted coordination meetings on January 6 and 19 to prepare for the upcoming DWR interagency meeting on February 9.
      - Staff attended construction schedule meeting No. 2 on January 10. Engineering, Water Resources, and Environmental Services staff met with GEI Consultants and Catalyst Environmental Solutions to discuss environmental constraints and the impact on the proposed project construction schedule.
      - Staff completed their review of the draft Reservoir Operation Plan (ROP) outline prepared by GEI. Staff provided their comments to GEI to be incorporated in the draft ROP.
    - Outlet Works Improvement Project
-

#### 4.5 Monthly Engineering Department Report Information Item

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- The above updates reported for the Spillway Improvement Project are also applicable to the Outlet Works Improvement Project.
- Staff continued their efforts to prepare the project construction management services and constructability review Request for Proposal (RFP). Staff conducted a second internal meeting on January 9 to discuss the RFP outlines and lessons learned from the Iron and Manganese Treatment Facility Project.
- FERC License Amendment Application, NEPA Documentation and Section 7 Consultation
  - Engineering and Environmental Services Staff attended bi-weekly meetings with Catalyst Environmental Solutions on January 6 and 20 to discuss permitting update and progress.
  - Staff reviewed revised environmental consultation/permitting schedule received from Catalyst on January 16. The revised schedule is based on assumptions that NMFS comments on the draft Biological Assessment (BA) will be received by February 1<sup>st</sup>.
  - On January 30, United submitted an annual progress report to the State Water Resources Control Board per the 401 Water Quality Certification for the Project.
- Loan and Grant Applications
  - 2021 FEMA HMGP
    - No Update to report.
  - Prepare CA Match – FEMA HMGP
    - No updates to report.
  - 2022 HHPD
    - No updates to report.
  - WIFIA Loan
    - Staff and the Finance Department meet with the EPA WIFIA Loan Administrators on a weekly basis and have been providing project and financial related information in response to the administrators' requests for additional information.

##### Santa Felicia Dam Safety

- On December 15, 2022, Staff submitted a 30-day request for extension of time letter to FERC to complete the Santa Felicia Dam Part 12D Inspection – Consultant's Safety Inspection Report. Staff will e-file the report to FERC no later than January 30, 2023.
- The District is required to conduct an EAP Tabletop and an EAP Functional Exercise on a 5-year basis. The last tabletop exercise was conducted in 2018 while the last functional exercise was conducted in 2019. These exercises were due in 2023 and 2024 respectively, however, as an Interim Risk Reduction Measure (IRRM), the District committed to conducting these exercises one year earlier to enhance emergency preparedness. The District has retained GF to support the planning and facilitating of these exercises per an agreement with GF that was executed on August 9, 2022. The

#### 4.5 **Monthly Engineering Department Report Information Item**

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tabletop exercise was completed on October 20, 2022. An After-Action Report and Improvement Plan were e-filed with FERC on December 19, 2022. The 2023 SFD EAP Functional Exercise will be conducted on February 23, 2023, at District Headquarters.

##### 2. Condor Point Improvement Project

As part of the Condor Point Improvement Project, six (6) new ramada shaded picnic sites have been constructed at Condor Point, per a FERC order. A significant portion of the existing irrigation system here was demolished for ramada shade construction. The District executed a construction Agreement with Pacific Vista Landscaping, Inc (Pacific Vista) on October 26, 2022. Pacific Vista's scope includes the reconstruction of the irrigation system to conform to the new picnic sites, hydroseeding the entire lawn area to establish a uniform lawn, and the planting of three (3) new Western Sycamore trees per FERC order. Work was completed by December 31, 2022. On January 19, 2023, a final punch list walk was conducted, but was partially postponed to a later date due to the inability to test the irrigation system due to the recent storms. After the irrigation system is tested, final payment will be issued.

##### 3. Freeman Diversion Expansion

Staff, USBR, the University of Iowa, Stantec and NHC participate in rotating weekly calls with NMFS and CDFW to provide updates on physical modeling, CFD modeling and design alternations.

USBR and the University of Iowa with NMFS and CDFW continue to work in conjunction with NHC and Stantec on physical model stress and operational testing.

NHC and Stantec continue to work on the 100% Hydraulic Design Reports that are due to the agencies by February 22, 2023.

##### 4. Iron and Manganese Treatment Facility

Meetings:

a. Weekly coordination meetings between staff and the District's construction manager (HDR, Inc.)

b. Weekly construction progress meetings hosted by HDR and attended by GSE Construction, Taft Electric, Kennedy Jenks Consultants (KJ) and staff.

GSE Construction has submitted approximately 348 out of a total of 380 submittal packages anticipated for the project. HDR and design engineer (KJ) have provided responses on approximately 323 submittal packages including a requirement to comply with the Buy American Act (BAA).

GSE Construction has submitted approximately 125 Requests for Information (RFIs) to date. HDR, KJ and the District have been providing responses.

Twenty-five (25) Change Orders (COs) have been partially or fully executed to date amounting to a net total of \$1,129,466.76. This represents approximately 12.1% of the original contract amount (\$9,342,900.00). Four (4) of these COs amounting to \$662,910.19 or 7.1% of the original contract amount are directly related to compliance with the BAA which is a federal grant requirement (the project was not originally bid with this

#### **4.5 Monthly Engineering Department Report Information Item**

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requirement in place). Therefore, only \$466,556.57 or 5% of COs have resulted in additions or modifications to the original scope of work.

One (1) CO has been prepared and is under negotiation and execution which includes a no-cost contract extension to GSE Construction.

On December 21, 2022, Staff received comments on the final draft Operations, Maintenance and Monitoring Plan (OMMP) from the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW). A meeting with HDR was held on January 4, 2022 to address comments to the OMMP which will be finalized by February 2023 before commencement of start-up and testing operations.

GSE Construction continued construction of the following (See Figures 1, 2 and 3):

- 24" Raw Water Pipeline (RAW)
- 24" Filtered Water (FW) Connection
- 18" connections to RAW
- 14" RAW Bypass Pipeline
- 12" RAW Flushing Pipelines
- 8" Return Wash Water (RWW)
- 3" Chlorine Solution Lines, Double Contained
- 1" Ammonia Solution Lines
- Various underground sample lines
- Various underground electrical conduits
- Filter face piping
- Filter vessel platforms
- Filter vessel internals
- Laboratory/Electrical/Blower Building
  - i. Framing for drywall
  - ii. HVAC
  - iii. Interior electrical
  - iv. Special inspections (fire dept., mechanical/electrical/plumbing)
- The tentative date for construction completion and implementation is January 29, 2023. A total of seven (11) inclement weather days have been counted. However, due to continued issues with the supply chain and significant delays in the delivery of parts, pipes and pumps, Staff anticipates that by June 2023 construction is substantially completed, including the plant startup and commissioning while the delivery of ancillary equipment such as two filter drain pumps could still be pending at that time.

#### **5. PTP Metering Improvement Project**

- Total number of Meters installed: 40 of 61 or 65.5% complete.
  - An additional four (4) Meter installations are planned by early 2023.
  - Easement acquisition completion: 24 of 41 obtained or 58.5% complete.
  - Staff prepared a draft amendment to Hamner, Jewell & Associates contract with the District.
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#### 4.5 Monthly Engineering Department Report Information Item

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- The landowner at Turnout #122 has not agreed to provide an easement to the District and has requested to discontinue the water delivery service through this turnout to his property.
- Turnout #154, who previously declined in a letter to sign the easement deed, has agreed to an on-site meeting with the District and Reiter Brothers staff.

#### 6. PTP Recycled Water Connection – Laguna Road Pipeline Project

- Staff received a revised final Preliminary Design Report (PDR) from Kennedy Jenks on January 20. Staff in the process of reviewing the final PDR to ensure that all comments were addressed accordingly. The final PDR will be shared with Pleasant Valley County Water District (PVCWD) prior to the next coordination meeting.
- On January 20, Staff received a copy of PVCWD's Preliminary Design Report. Staff are planning to review this document to be discussed with PVCWD in the next coordination meeting.
- Staff prepared and submitted SGM grant quarterly Progress Report for the period from October 1<sup>st</sup> to December 31<sup>st</sup>, 2022. Staff worked with Finance Department staff to ensure all submittals and invoices are included in the quarterly report.

#### 7. Rice Avenue Grade Separation Project and Impact on PTP

- No update to report.

#### 8. State Water Project (SWP) Interconnection Pipeline Project

- Staff reviewed the Project Preliminary Design Report (PDR) for the project and provided comments to the City of Ventura on January 22.
- The final copy of the 3-Party Interagency Agreement (Agreement) was presented to the Ventura Water Commission by Ventura Water Staff on January 24, 2023. Ventura Water Staff recommended the Water Commission to approve the Agreement. The Water Commission commended the City, Calleguas and United and was pleased with the collaboration between the agencies. United's Chief Engineer and Calleguas Engineering Manager were present at the Water Commission meeting and answered some of questions related to the Agreement raised by the Water Commission. Calleguas Staff will request approval of the Agreement by their Board on February 1<sup>st</sup>. United Staff is planning to present the Agreement to the Engineering and Operations Committee and the Board meetings in March. Ventura Water Staff will present the Agreement to their City Council in March or April 2023.
- In order to receive State Water Project water, the agencies need to start engaging with the Metropolitan Water District (MWD) and developing a Wheeling Agreement with the MWD. The City of Ventura and Calleguas have drafted a copy of such agreement and Calleguas is planning to start discussions with the MWD. The draft MWD Wheeling Agreement includes the City of Ventura, Calleguas, United and Casitas.

#### 9. Extraction Barrier and Brackish Water Treatment Project

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#### 4.5 Monthly Engineering Department Report Information Item

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- Meetings:
  - January 11, 2023
    - Joint Meeting with ESA, K/J and District staff to discuss to prepare for site tour with the Navy on January 12<sup>th</sup>.
  - January 12, 2023
    - Site tour at Naval Base Ventura County (NBVC) Point Mugu with Navy representatives from the local installation and regional offices, District staff and the District's consultants (ESA, K/J). Performed site reconnaissance and discussed proposed Phase 1 infrastructure including:
      - Extraction well sites (5 sites in total) and associated pipelines
      - Discharge options into Mugu Lagoon (8 options in total)
      - Proposed treatment plant location (Phase 2 work)
      - Discharge option via pipeline connection to the Calleguas Salinity Management Pipeline (SMP)
  - January 18, 2023
    - Held a progress meeting with K/J and discussed the discharge alternatives evaluation matrix that is in progress.
  - January 23, 2023
    - Held a coordination meeting with ESA and discussed activities associated with planned Permitting Charrette with the Navy on February 28<sup>th</sup> and March 1<sup>st</sup>.
  - January 24, 2023
    - Held a budgetary workshop among District staff to discuss current and future fiscal year expenditures and grant pursuits.
  - January 26, 2023
    - Held a joint meeting with ESA, K/J and District staff to review discharge alternatives evaluation matrix and discuss Permitting Charrette with the Navy.
    - Held a monthly progress meeting with the Navy to discuss the planned Permitting Charrette with the Navy on February 28<sup>th</sup> and March 1<sup>st</sup>.
- Grants:
  - Phase 1 Extraction Barrier Project - Prop 1 Round 3 Ground Water Grant Program (GWGP) – State Water Resources Control Board (SWRCB) – Received notification from Division of Financial Assistance (DFA) that preliminary awards will not be issued until January or February of 2023.
  - Monitoring Wells - Sustainable Groundwater Management (SGM) Grant Program – Progress Report and Invoice No. 2 prepared

#### 10. Asset Management/ CMMS System

- Staff continues to work on tables and graphs for the end of year reporting from the Santa Felicia Dam monthly inspection reporting Survey123 app data exports.
- Staff continues to implement the use of the Arrow GNSS unit into District projects providing high accuracy location and elevation data.

#### 11. Main Supply Line Sodium Hypochlorite Injection Facility

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#### 4.5 Monthly Engineering Department Report Information Item

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- A meeting was held on January 13, 2023 to discuss a proposal for design services from Trussell Technologies who performed a site visit on November 30, 2022.

#### 12. Lake Piru Recreation Area – 2022 Pavement Maintenance Program

- The pavement activities were completed on December 21, 2022. However, the final stripping was delayed due to the recent storm event.
- Staff coordinated and scheduled on-site meeting and job walk with the asphalt contractor (Horizon), Earth Systems (compaction test inspector), and Chief Park Ranger on January 24 to inspect all pavement repair areas included in this project. A punch list will be developed during this job walk to include any repair that may be needed prior to completing this project.

#### 13. Other Topics, Meetings and Training

- On January 12, Michel Kadah and Adrian Quiroz attended APWA Ventura County Event, Navigating the IIJA, Inflation Reduction Act, and Buy America.
- On January 25, Robert Richardson attended the AWA CCWUC Educational Webinar entitled “2023 State Drinking Water Supply Outlook”.



**Figure 1 – Construction of Filter Drain and Washwater Return Pump Stations on January 12, 2023**





**Figure 2 – Construction of Concrete Encasement and Filter Vessel Slab Formwork on January 12, 2023**



**Figure 3 – Elevated Filter Vessel Platform on January 12, 2023**



#### 4.5 Monthly Engineering Department Report Information Item

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**Figure 4 – Site tour on January 12, 2023 at NBVC Point Mugu with Navy staff (not shown in picture), District staff, ESA and Kennedy/Jenks Consultants**



**Figure 5 – Site tour on January 12, 2023 at NBVC Point Mugu with Navy staff, District staff, ESA and Kennedy/Jenks Consultants**



**Figure 6 – Site tour on January 12, 2023 at NBVC Point Mugu with Navy staff, District staff, ESA and Kennedy/Jenks Consultants**



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager  
Anthony A. Emmert, Assistant General Manager

**cc:** Dr. Maryam Bral, Chief Engineer

**From:** Linda Purpus, Environmental Services Manager

**Date:** January 25, 2023 (February 8, 2023 meeting)

**Agenda Item:** 4.6 Monthly Environmental Services Department Report  
**Information Item**

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#### **Staff Recommendation:**

The Board will receive and file this staff report from the Environmental Services Department regarding its activities for the month of January 2023.

#### **Discussion:**

1. Santa Felicia Project Operations and Federal Energy Regulatory Commission (FERC) License Support

- Water Release Plan and Water Release and Ramping Rate Implementation Plan

Under the Water Release Plan and FERC license for the Santa Felicia Project, United Water Conservation District (United) is required to make certain water releases from the Santa Felicia Dam for steelhead habitat and migration, when specific triggers are met. Triggers for habitat water releases are based on cumulative rainfall within the water year. United evaluates whether the trigger is met on the first day of each month, between January and June. The table below presents trigger criteria for each month and minimum required releases if those triggers are met. Each month that the trigger is not met, the minimum required habitat water release is seven (7) cubic feet per second (cfs). The measured precipitation from the storms occurring in January met the enhanced habitat water releases for the entire calendar year. The minimum required habitat water release for the month of February will increase to 20 cfs.

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#### 4.6 Monthly Environmental Services Department Report Information Item

Habitat water release trigger date	Trigger criteria (total cumulative precipitation on trigger date)	Minimum required water release if trigger is met	2023 Measured cumulative precipitation	Actual minimum required habitat water release for month
January 1	4.80 inches	15 cfs	7.03 inches	15 cfs
February 1	8.10 inches	20 cfs	28.18 inches	20 cfs
March 1	12.00 inches	20 cfs	TBD	20 cfs
April 1	14.90 inches	20 cfs	TBD	20 cfs
May 1	16.30 inches	10 cfs	TBD	10 cfs
June 1	17.50 inches	9 cfs*	TBD	9 cfs

\*If triggered, the minimum required water release will remain at nine (9) cfs through October 1, at which time, minimum required water release will be seven (7) cfs through January 1 of next calendar year.

A series of storm events resulted in triggering migration water releases (minimum required release of 200 cfs) from the Santa Felicia Dam on three occasions during January. The first migration water release was triggered on January 5, 2023. The cessation trigger was met on January 7, 2023, and ramp-down was initiated just after midnight. The second migration water release was triggered on the morning of January 10, 2023. An intense rain event slammed the region the day before resulting in multiple closures on Piru Canyon Road, and the Dam Operator was the sole staff on-site that morning. As the Dam Operator initiated adjustments to ramp-up flow he observed significant backwater building up in the release channel. The backwater was assumed to be caused by a downstream obstruction. Water releases from the outlet works were reduced to safe levels, while still maintaining the minimum required habitat water release. At 11:50 a.m. on January 10, 2023, Environmental Services staff notified FERC, National Marine Fisheries Service (NMFS), and State Water Resource Control Board (State Water Board) that an accidental lapse of minimum required water release had occurred at the Santa Felicia Dam. Of note, the storm system triggering debris slides that resulted in closure of Piru Canyon Road and presumably the downstream obstruction, led to a proclaimed state of emergency statewide from Governor Newsom and approval of California's request for a Presidential Major Disaster Declaration from the White House to support the state's emergency response to storm impacts. A follow-up report detailing the accidental lapse of water release will be filed with FERC and submitted to NMFS and the State Water Board within 30-days of the original notification. On January 13, 2023, the backwatering appeared to subside and discharge capacity was restored. A third migration water release was triggered on January 15, 2023, and the minimum required 200 cfs was released. The cessation trigger was met on January 17, 2023, and ramp-down was initiated just after midnight.

- Santa Felicia Fish Passage Pre-Implementation Studies

The fish traps in middle Piru Creek were operated intermittently in late December and early January, between storm events as flow allowed. The fyke trap was removed the morning of

#### 4.6 Monthly Environmental Services Department Report Information Item

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January 9, 2023, in anticipation of significant forecasted rains. The large storm system that hit the area January 9, 2023, resulted in scouring flows, mud and debris slides, and road washout throughout Piru Canyon. Piru Canyon Road beyond Reasoner Canyon remains impassable due to storm damage, the extent of which has not been fully investigated. The rotary screw trap and multiple PIT antenna array segments were washed out of middle Piru Creek from the storm and have been observed floating among debris on the surface of Lake Piru. As of January 25, 2023, one PIT antenna array segment has been salvaged from the lake, however the rotary screw trap remains floating due to lack of safe access resulting from an excess of hazardous floating debris on the lake.

- Santa Felicia Dam Safety Improvement Project (SFDSIP)

On January 30, 2023, United submitted an annual progress report to the State Water Board per the Section 401 Water Quality Certification for the SFDSIP. On March 2, 2022, the State Water Board issued the 401 Water Quality Certification for the SFDSIP. The Project is in design phase and no reportable actions were performed in the reporting period.

- Annual FERC Compliance Reporting

On January 13, 2023, Environmental Services staff submitted the Pothole Trailhead Annual Report in compliance with FERC license Article 411. During the 2022 reporting period, United issued 220 passes for the Pothole Trailhead Parking Area. The majority of recreational demand was for hiking and hunting. In addition, staff submitted the 2022 Santa Felicia Whitewater Boating Access Annual Monitoring Report, in compliance with FERC License Article 410. No water releases above 200 cfs occurred in 2022, therefore, no whitewater opportunities were provided in lower Piru Creek associated with water releases from the Santa Felicia Dam.

#### 2. District Facilities - Lake Piru Recreation Area, Santa Felicia Project, and Freeman Diversion Facility General Maintenance Permits

On January 3, 2023, Environmental Services staff sent California Department of Fish and Wildlife (CDFW) a notification of intent (NOI) to perform work under Streambed Alteration Agreements for routine maintenance activities at the Lake Piru Recreation Area and Santa Felicia Project (1600-2015-0156-R5) and Freeman Diversion (1600-2013-0223-R5) facility throughout the 2023 calendar year. Specifically, routine maintenance activities at the Freeman Diversion include vegetation control at the roller compacted concrete dam and vegetation control along rip rap and access areas. Lake Piru Recreation Area and Santa Felicia Project general maintenance activities include; vegetation management; repair and maintenance of roads, parking areas, and launch ramps; culvert and drainage channel maintenance; floating dock maintenance; removal of hazardous vegetation and floating debris from the surface of Lake Piru; and maintenance of the designated swim beach. On January 23, 2023, United sent an additional NOI for in-kind repair of rip-rap and bank stabilization structures at launch ramps for the Lake Piru Recreation Area.

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### Information Item

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#### 3. Freeman Diversion Operations

- Freeman Diversion Sediment Management

On January 5, 2023, United submitted a post-project report to the US Army Corps of Engineers in accordance with the project's Clean Water Act Section 404 permit (No. SPL-2013-00171-EBR). The post-project report summarized activities conducted under Permit Item No. 7 (Sediment Control) between September 19 and November 22, 2022. All permit conditions were followed, and no sensitive species were impacted by Project activities.

- Freeman Diversion Fish Passage Facility

In January, Environmental Services staff assisted Operations and Maintenance staff with a variety of operations and storm related activities at the Freeman Diversion. Late December and early January storms, culminating in the January 9, 2023 storm event resulted in flows at the Freeman Diversion estimated to be 115,000 cfs, approximately 15,000 cfs less than the historic record from 2005. These elevated flows and associated high water levels, debris, and sediment necessitated a large-scale adaptable response from Operations and Maintenance, Water Resources, and Environmental Services staff. In general, Environmental Services staff served to support the other departments to ensure all operations and activities were conducted in compliance with the relevant environmental regulations and that the District's specific compliance directives are being met. Specifically, Environmental Services staff have supported turnouts and flushes (including a canal flush), fish screen cleaning, repair of the auxiliary water supply travelling screen (two occasions), discharge measurements, and providing notifications to CDFW and NMFS as appropriate. The fish ladder surveillance system was damaged during the high flow event on January 9, 2023 and was repaired before ladder operations were resumed (after having been temporarily suspended in anticipation of high flows).

#### 4. Extraction Barrier and Brackish (EBB) Water Treatment Project

On January 12, 2023, United staff from the Environmental Services, Water Resources, and Engineering Departments, along with the environmental and engineering design consulting firms, attended a day long site visit at Ventura County Navy Base, Pt. Mugu. Proposed facility construction locations were visited, and environmental compliance strategies were discussed.

#### 5. Quagga Mussel Management

On January 23, 2023, Environmental Services staff submitted a revised version of the Quagga Mussel Monitoring and Control Plan (QMMCP; last revised September 2018) to CDFW. The original QMMCP included a robust monitoring program that was intended to characterize the infestation and identify population trends. As a result of almost a decade of implementing the monitoring program we have achieved the original objective. The revisions include a reduction in monitoring efforts that are considered more appropriate now that we have an established database and clear understanding of the infestation. The monitoring measures in the revised QMMCP maintain the scientific integrity

#### 4.6 Monthly Environmental Services Department Report Information Item

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of the monitoring program and provide an appropriate level of monitoring that preserves the ability to identify population changes and effectiveness of current and future control and containment measures. Additionally, the QMMCP was updated to be more representative of current conditions.

The series of storm events impacted staff's ability to access monitoring sites to conduct activities during January. Field staff is working to assess the damage and accessibility at monitoring locations in Lake Piru and lower Piru Creek. Routine monitoring under the QMMCP will resume once it has been determined safe for staff to access monitoring locations.

#### 6. Miscellaneous


- On January 18 and 20, 2023, Tessa Lenz and Hannah Garcia-Wickstrum participated in a virtual training on Endangered Species Regulation and Protection presented by the University of California, Davis Continuing and Professional Education. This course had new instructors, Brad Norton and Lucas Bare, technical staff at ICF, but was previously taught by David Zippin.
- On January 19, 2023, Environmental Services staff attended the AWA Water Information Meeting with spotlight presentation, *A Wet La Nina, How Unusual*, by NOAA's Eric Boldt.



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Dr. Maryam Bral, Chief Engineer  
Linda Purpus, Environmental Services Manager   
Randall McInvale, Principal Environmental Scientist

**Date:** January 24, 2023 (February 8, 2023 meeting)

**Agenda Item:** **5.1 California Environmental Quality Act Support for the Increased Importation of State Water Project Water – Amendment to Professional Consulting Services Agreement with Stantec Consulting Services, Inc. - \$286,288**  
**Motion**

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#### **Staff Recommendation:**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Stantec Consulting Services, Inc. (Stantec) in the amount of \$286,288 to complete technical studies and provide additional support to United in the development of California Environmental Quality Act (CEQA) documentation for the pursuit of increased State Water Project (SWP) water imports to Lake Piru.

#### **Background:**

Imports of SWP water from Pyramid Lake to Lake Piru are limited to a maximum of 3,150 acre-feet (AF) each year under Article 52 of the license issued by the Federal Energy Regulatory Commission (FERC) to the California Department of Water Resources (DWR) and the Los Angeles Department of Water and Power (LADWP) for the South State Water Project (P-2426). United has sought to increase SWP imports to Lake Piru and a major component of the process includes the completion of a CEQA analysis to characterize and evaluate the changes from the current conditions and delivery scenario. In addition to fulfilling the requirements of CEQA, the analysis completed as part of this effort will inform the FERC license and State Water Resources Control Board (SWRCB) Water Quality Certification (WQC) variance/ amendment processes.

#### **Discussion:**

In pursuit of increased importation of SWP water from Pyramid Lake to Lake Piru, United has coordinated with DWR and LADWP on the regulatory procedures to secure additional SWP imports above the current 3,150 AF limit. Under the current PCS agreement, Stantec has supported United in coordination with DWR, identifying a process to fulfill the requirements of CEQA, and obtain a variance from the FERC license and SWRCB WQC. Through ongoing coordination with

**Agenda Item: 5.1 California Environmental Quality Act Support for the Increased Importation of State Water Project Water – Amendment to Professional Consulting Services Agreement with Stantec Consulting Services, Inc. - \$286,288**  
**Motion**

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DWR, United and Stantec have recognized the need to fill data gaps related primarily to the CEQA analysis. The proposed amendment would address these key data gaps and provide information necessary to fully characterize the proposed increase in SWP water importation scenarios. The proposed amendment would increase the contract by \$286,288 and result in a total revised not-to-exceed amount of \$408,364.

A copy of the Amendment to the PCS agreement detailing Stantec's complete proposal, including the scope of work and deliverables and proposed fee is included in Attachment A.

**Fiscal Impact:**

Funding for the services to be conducted under the proposed amendment is available in the FY2022-23 Budget (050-600-52220; 1020-300).

**Attachment:**

Attachment A – First Amendment Agreement for Professional Consulting Services



**FIRST AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

This Amendment to the Agreement for Professional Consulting Services is entered into as of \_\_\_\_\_, 2023, by and between **United Water Conservation District (UNITED)**, a public entity, and **Stantec Consulting Services, Inc. (CONSULTANT)** with reference to the following terms and conditions:

WITNESSETH

WHEREAS, on June 23, 2022, UNITED and CONSULTANT entered into a Professional Consulting Services AGREEMENT for the purpose of providing environmental consultation services to support development of the California Environmental Quality Act documentation for the Increased Importation of State Water Project Water, and;

WHEREAS, UNITED and CONSULTANT have discussed and agreed to amend certain terms and conditions of the AGREEMENT involving the scope of work and compensation of the AGREEMENT as specified in this FIRST AMENDMENT.

NOW, THEREFORE, based on the covenants and considerations set forth, UNITED and CONSULTANT mutually agree as follows:

1. The not-to-exceed total charge described in the AGREEMENT is hereby increased by \$286,288. This amendment results in a total revised not-to-exceed amount of: \$408,364 as total payment inclusive of all services.
2. The Scope of Work and Fee Schedule included as Exhibit A of the AGREEMENT is hereby amended to include the Scope of Work included as Attachment A of this FIRST AMENDMENT.
3. The term of the AGREEMENT will expire on December 31, 2023.
4. Each and all other provisions of said AGREEMENT remain in full force and effect and apply to all services and payments made under this FIRST AMENDMENT.

UNITED WATER CONSERVATION DISTRICT

By \_\_\_\_\_  
Mauricio E. Guardado, Jr., General Manager

Stantec Consulting Services, Inc.

By \_\_\_\_\_  
Bryan Rorie, Project Manager

**ATTACHMENT "A"**  
**FIRST AMENDMENT TO**  
**AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

**Revised Scope of Work and Fee Schedule**



**Stantec Consulting Services Inc.**  
3301 C Street, Suite 1900  
Sacramento CA 95816-3394

**Randall McInvale**  
United Water Conservation District  
4780 Piru Canyon Road  
Piru, CA 93040

Dear Randall McInvale,

**Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1**

## Project Understanding

Stantec Consulting Services Inc. (Stantec) was retained to assist United Water Conservation District (UWCD) with the development of a draft California Environmental Quality Act (CEQA) Addendum to California Department of Water Resources (DWR) 2005 Simulation of Natural Flows Environmental Impact Report (2005 EIR) for a temporary winter variance in water releases from DWR's Pyramid Lake down Piru Creek to UWCD's Lake Piru (Project) as detailed in the original Task Order scope of work (TO1). However, during the Project Description development, Project needs were adjusted to focus on maximizing the amount of temporary variance water releases feasible without triggering new significant impacts or changing the level of impact discussed in the 2005 Environmental Impact Report (EIR).

This Change Order (CO1) is in response to UWCD's request to update the Project Description with varied flow scenarios and conduct studies to support impact consistency analyses for key CEQA resource areas, including, Hydrology and Water Quality, Geology and Soils, Cultural and Tribal Cultural Resources, Biological Resources, and Recreation. Three specific field surveys and modeling-based technical studies are needed to complete this analysis: a hydrology assessment; a cultural resources assessment; and a biological resources assessment. Additionally, flow data will be utilized to update the desktop boating recreation assessment. UWCD, DWR, and other agencies and institutions have studied Piru Creek in the past; therefore, where feasible, this scope leverages existing studies (Appendix A) providing focused field updates to inform modeling and impact assessments.

## Scope of Work

### 1 Project Management Additions

On an on-going basis throughout the duration of the project, Stantec will perform the project management activities listed below. Each of these activities are not necessarily discrete tasks to be estimated separately but are to be included in the overall time allotted to Stantec's project management.

- Change Order Setup: Project management and Project control activities associated with this change order.
- Invoicing: Project management and Project control activities associated with invoicing.

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

- Document Review Management: Coordination for technical reviews, independent reviews, technical editing and formatting.
- Change Control: Project management to manage scope, schedule, and cost aspects of requested or required changes.
- Staffing, budget and schedule control: Coordinate resource staffing. Project controls activities to track and control cost and schedule.
- Project Meetings: Assume one kickoff meeting (approximately one hour long) for up to four team members to confirm continued CEQA approach. In addition, assume up to eight additional one-hour status meetings attended by up to three team members.
- Project Management and Coordination: Contract and project management / coordination.

Deliverables:

- Meeting materials: agendas, notes, action items and decision logs with updates associated with agency coordination discussions

## 2 Information Gathering and Administrative Record Updates

In November of 2022, DWR confirmed that UWCD can utilize the baseline biological data collected during the South SWP Hydropower Project (SSWP) (Federal Energy Regulatory Commission [FERC] Project No. 2426) existing license compliance and relicensing efforts. However, the existing data is varied in survey area coverage. Given that this information is varied by survey type, date, and coverage, additional effort is needed to compile information from differing sources and synthesize the information to inform the survey updates and the impact analysis. Moreover, the hydrology data is located across various erosion monitoring studies, which will need to be compiled. DWR has indicated that their cultural resource data only covers a small area within the FERC boundary and, therefore, data should be reviewed within the context of an updated record search covering all 18 miles of Middle Piru Creek.

As such, under this task the results of previous evaluation efforts for FERC license compliance and relicensing, regulatory permitting, along with National Environmental Policy Act (NEPA) and CEQA compliance, will be incorporated directly into the CEQA document. Additionally, Stantec no longer assumes DWR will provide geospatial data regarding resource locations; rather, Stantec will obtain those data in coordination with DWR, involving Stantec, HDR Inc., and possibly Dudek. Stantec assumes that UWCD will provide geospatial data available from their offices and United States Geological Survey (USGS)/University of California, Los Angeles research.

Additionally, Stantec will update the administrative record for the Project to include information about site specific studies for the Project pursuant to Public Resources Code Section 21167.6(e).

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

Deliverables:

- Administrative Record to include relevant study information and results in Excel and PDF formats

### 3 Project Description Updates

Stantec and UWCD developed a draft Project Description in a coordinated fashion with a single variance described; however, upon further review, UWCD requested additional flexibility should additional water become available. As such, the draft Project Description development will continue to be an interactive and collaborative process, with the latest potential change including a need for peaking rather than capped releases. Therefore, under this task, Stantec will update the Project Description with various scenarios (i.e., as defined by UWCD) and anticipates implementing two additional Project Description technical flow adjustments: (1) to account for potential peaking and inflow equals outflow scenarios; and (2) to tailor the Project Description based on the field study and modeling results, targeting no changes in impacts.

The Project Description will be provided in a Draft format to UWCD for their review. UWCD will provide one consolidated set of comments for incorporation by Stantec into the Final Project Description.

Assumptions:

- Two additional technical flow updates to the Project Description to account for peaking, and reductions (as necessary) based on field and modeling results.

Deliverables:

- Draft and Final Project Description

### 4 2005 EIR Addendum Update

An initial administrative draft of a 2005 EIR Addendum was developed based on existing information. The sections developed thus far are resource areas that would not be significantly impacted with the varied flow scenarios. However, the following sections will need to be updated based on the results of the requested technical studies: Hydrology and Water Quality; Geology and Soils; Cultural and Tribal Cultural Resources; Biological Resources; and Recreation.

CEQA does not require public circulation of an Addendum. However, should the lead agency determine the Addendum be publicly circulated, Stantec will provide support in the development of public noticing and outreach publications.

Assumptions:

- Based on the technical study results, the lead agency will determine whether an Addendum remains the appropriate CEQA compliance document.

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

- This scope of work assumes that the Addendum prepared for the Project will be used to verify a Subsequent EIR is not required.

Deliverables:

- Updated Addendum sections will be directly incorporated into the Draft and Final EIR Addendum (as detailed in TO1)

## 5 Technical Studies

The geographical focus of the technical studies is Middle Piru Creek from Pyramid Lake to Lake Piru (the length of which is approximately 18.5 miles). With a 25 foot buffer on the thalweg, the Project area is approximately 112 acres. However, given that there have been relatively recent technical studies on differing portions of Middle Piru Creek, the field data collection described in this CO1 is intended to fill gaps and update data, while leveraging existing information to the extent feasible. As such, the data described in Appendix A will be leveraged and augmented through the studies described in Task 5.

### 5.1 Hydrology and Erosion Study

The 2005 EIR determined that erosion monitoring and remediation is required as mitigation for increased flows.

Changing the release schedule at Pyramid Dam can potentially alter the sediment transport characteristics in Piru Creek between Pyramid Dam and Lake Piru. Increasing the volume of water can increase the volume of sediment transport. This increase could change the amount of erosion and deposition occurring within the reach and change the amount of sediment delivered to Lake Piru. The amount of change will be dependent on the timing of the flows, the volume of the flow, and the bed material within the creek. To quantify the potential impacts of the Project, Stantec will conduct a sediment transport study similar to what was performed for the 2005 EIR, where they applied a HEC-RAS model to simulate the hydraulic conditions with and without the Project. The hydraulic model was then used to estimate sediment transport rates for the hydrologic conditions with and without the Project.

The objective of this study will be to assess the changes to sediment transport in Middle Piru Creek between Pyramid Dam and Lake Piru. This study will compare future conditions under the with- and without-Project imposed operational rules. The hydrologic conditions used for the without-Project conditions will be assumed to be consistent with the historical flows downstream of Pyramid dam from 2005 until present. The hydrologic conditions under the with-Project conditions will be the historical flows, with the additional water from the State Water Project (SWP) super-imposed over those historical flows. The operational rules for the release of the additional water from the SWP will be determined by UWCD.

Stantec will develop an updated HEC-RAS model based on the recent LiDAR collected in the region (see below). The model will be a one-dimensional cross section-based representation of the stream from Pyramid Dam and Lake Piru. The model will be used to estimate hydraulic conditions at a range of steady flows within the creek. Stantec will estimate sediment transport rates based on measured river-bed material



Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

in the reach. The hydrology for the with- and without-Project conditions will be combined with the estimated sediment transport rates at individual flows to estimate annual transport rates under these two conditions.

There are several tributaries that supply water and sediment in Middle Piru Creek. These tributaries are ungagged and have not had sediment measurements on them. Therefore, empirical methods will have to be used to estimate their contributions. The amount of sediment contributed by a tributary will be estimated based upon the drainage area of that tributary and assuming a background sediment load. Stantec will use previous studies in the region to estimate background sediment loads as a function of drainage area (see references at the end of this section).

The results of the analysis will include the following:

- An estimate of sediment transport rates under with- and without-Project conditions
- Analysis of the flow and sediment contributions of tributaries to Middle Piru Creek. These estimates will be based upon contributing drainage areas.
- An analysis of qualitative differences in expected erosion and deposition resulting from the Project
- Sediment loading quantities to Lake Piru under with- and without-Project conditions
- Description of the qualitative differences in bed material under with- and without-Project conditions

The existing data necessary for the Project (assumed to be provided by UWCD, USGS, and the University of California, Los Angeles) includes:

- LiDAR, which will be used to develop the hydraulic model of the reach.
  - 2018 Southern California Wildfire QL2 Lidar, May 28 - Oct 12, 2018. USGS (2019); and
  - 2015 Los Angeles County, CA QL2 Lidar, Sep 27, 2015 - Oct 18, 2016.
- Stream flows downstream of Pyramid Dam on Piru Creek from Water Year 2005 until 2022.

New data to be collected by Stantec includes:

- Bed Material Sampling: Bag samples and/or pebble count samples will be collected approximately every one-half to one-mile intervals depending upon access and number of identifiable concerns along the reach. Stantec will attempt to sample the upper four miles and the lower four miles of Middle Piru Creek.

#### References:

Barry R. Hill and Christopher E. McConaughy. 1988. Sediment Loads in the Ventura River Basin, Ventura

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

County, California, 1969-81 By, U.S. GEOLOGICAL SURVEY, Water-Resources Investigations Report 88-4149, Sacramento, CA. 1988. Available at: <https://pubs.usgs.gov/wri/1988/4149/report.pdf>.

Kevin M. Scott, John R. Ritter, and James M. Knott. 1968. Sedimentation in the Piru Creek Watershed

Southern California, US Geological Survey Water – Supply Paper 1798-E, Sedimentation in Small Basins. Available at: <https://pubs.usgs.gov/wsp/1798e/report.pdf>.

Rhea P. Williams. 1979. Sediment discharge in the Santa Clara River Basin, Ventura and Los Angeles

Counties, California, Water-Resources Investigations Report 79-78, Prepared in cooperation with Ventura County Flood Control District, United Water Conservation District, and California Department of Boating and Waterways. Available at: <https://doi.org/10.3133/wri7978>.

Scott, K.M., and Williams R.P. 1978. Erosion and sediment yields in the Transverse Ranges, southern California: U.S. Geological Survey Professional Paper 1030, 38 p. Available at: <https://pubs.usgs.gov/pp/1030/report.pdf>.

Assumptions:

- UWCD will provide operational rules for additional water from the SWP. LiDAR at one meter DEM resolution is available for the entire Project reach.
- Stantec is able to access Piru Creek for at least three miles downstream of Pyramid Dam and three miles upstream of Lake Piru during a single mobilization over four field days, including travel. Prior to conducting field studies, Stantec will hold a kickoff meeting to review safety and logistics (e.g., access) with all participating team members (up to three), up to one hour long.

Deliverables:

- Technical report summarizing Project objectives, data collection, methods and results in Word and PDF formats

## 5.2 Biological Resources Survey

Stantec will update and fill gaps on existing data for the Project area (Appendix A) with a reconnaissance-level habitat assessment and visual encounter survey of selected accessible, representative areas along the upper and lower portions of Middle Piru Creek. The purpose of the surveys will be to ground truth existing data and fill data gaps, where needed. Specifically, Stantec biologists will conduct a five-day (including travel), reconnaissance-level field study during low flow conditions.

### 5.2.1 BIOLOGICAL RESOURCE SURVEYS

The surveys will focus on the following:

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

- **Habitat Mapping:** Desktop habitat map data is available for Middle Piru Creek. Additionally, in 2018, DWR conducted site-specific habitat mapping of approximately 6.6 miles of Middle Piru Creek. The reconnaissance level habitat assessment will include a ground verification of existing mapping with site specific spot checks conducted concurrently with (i.e., same dates and locations) the hydrologic field assessment (Task 5.1 above).
- **Fisheries and BMI data:** Stantec will utilize the environmental DNA results from existing DWR fisheries studies along the entire 18 miles of Middle Piru Creek. These data will be augmented via a habitat assessment update conducted concurrently with the hydrologic field assessment (Task 5.1).
- **Amphibians and Aquatic Reptiles:** UWCD and partner agencies and institutions have conducted assessments of winter flow benefits to arroyo toad (*Bufo californicus*) and other sensitive species. Additionally, DWR, in compliance with their existing FERC license, monitored the arroyo toad population annually through 2020 in Middle Piru Creek. These data will be augmented via a habitat assessment update conducted concurrently with the hydrologic field assessment (Task 5.1).
- **Stream and Wetland Delineation:** The ordinary highwater mark of Piru Creek and adjacent wetland areas will be defined using aerial imagery, national wetland inventory data, and LiDAR data. Representative field confirmations conducted concurrently with the hydrologic field assessment (Task 5.1) will provide additional ground truth information. The delineation will be sufficient to inform the CEQA Addendum.
- **Least Bell's Vireo, Willow Fly Catcher and Nesting Bird Assessment:** Special-status avian species surveys conducted in Middle Piru Creek are both recent and relevant (Appendix A). Therefore, no additional presence/absence surveys are proposed. Rather, under this task, nesting habitat level data will be updated in representative areas coincident with the reaches as described in the hydrologic field assessment (Task 5.1).

## 5.2.2 BIOLOGICAL RESOURCE DATA ANALYSIS AND REPORTING

The results of these studies, including mapping updates, will be incorporated directly into the Biological Resource Section of the CEQA Addendum as defined in TO1.

### Assumptions:

- Stantec is able to access Piru Creek for at least 3 miles downstream of Pyramid Dam and 3 miles upstream of Lake Piru during a single mobilization over 5 days, including travel. Prior to conducting field studies, Stantec will hold a kickoff meeting to review safety and logistics (e.g., access) with all participating team members (up to three), up to one hour long.
- For this analysis Stantec does not anticipate protocol level surveys. Rather, existing data with targeted field survey updates will be utilized to inform the impact assessment and verify the potential changes to the 2005 EIR determinations.

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

**Deliverables:**

- Geographic Information System (GIS) survey data in Shapefile format
- Biological resources evaluation incorporated into the draft and final Biological Resources section of the CEQA Addendum, as described in the original TO1 scope of services

## **5.3 Cultural and Tribal Cultural Resources Study**

Stantec's goal is to complete the cultural work in a timely and cost-effective manner. Stantec staff are familiar with archaeological resources in the Los Padres National Forest Project area; having had provided DWR with National Historic Preservation Act of 1966, Section 106 and AB 52 compliance support on SSWP, and having had reviewed the Cultural Resources Investigations and Paleontological Overview for the Simulation of Natural Flows in Middle Piru Creek Project (McKenna et al. 2004). By anticipating archaeological site types and resource locations, Stantec will streamline this survey and site recording strategy using digital field tools with qualified staff with a breadth of institutional/geographical knowledge.

Stantec has prepared a scope and cost estimate that includes the following tasks: (1) California Historical Resource Information System (CHRIS) Search Task; (2) Pedestrian Survey; and (3) Pedestrian Survey Report. Although not required for an Addendum, Stantec has included time to support the lead agency with such efforts.

### **5.3.1 RECORDS SEARCH AND NAHC OUTREACH**

Stantec will conduct a records search with CHRIS at the South-Central Coastal Information Center in Fullerton, California. The background research will include, but will not be limited to:

- a. A thorough literature and records search to include the National Register of Historic Places
- b. State archaeological and historical documents and records
- c. Published and unpublished reports, journals, and relevant State and federal agency files

Stantec will also conduct a sacred lands search with the Native American Heritage Commission (NAHC) and will send outreach letters to any parties identified through the NAHC.

Although not required for an Addendum, if requested by the lead agency, Stantec will provide a draft consultation letter and map for UWCD as a project-specific template.

### **5.3.2 PEDESTRIAN FIELD SURVEY**

The results from the 2004 Native American outreach, records searches, and pedestrian survey of the Projects 18-mile Middle Piru identified a single area with potential historic resources. As such, based on the results of an updated Records Search, Qualified Stantec archaeologists will conduct a pedestrian survey of targeted areas. The targeted areas will include the riverbanks near the Whitaker Ranch and up to three additional focus areas. The three additional areas will be determined based on the updated records search

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

results, Native American outreach, if conducted by the lead agency, and LiDAR or other desktop data showing highly erosive areas. The survey will include pedestrian transects no wider than 30 meters apart. Stantec will map all archaeological finds using a global positioning system unit meeting agency requirement for accuracy (note that Stantec utilizes units with sub-meter capabilities). Identified sites will be recorded on California Department of Parks and Recreation (DPR) site forms. Stantec archaeologists will take photographs of diagnostic artifacts and at least two overviews of the site. Based on the likelihood of difficult terrain and potentially inaccessible areas, Stantec archaeologists will conduct one, five-day rotation. Any inaccessible areas will be documented using GIS.

### 5.3.3 CULTURAL RESOURCES REPORT

Stantec will prepare an archaeological survey report, which will include the results of the literature search and field survey, a cultural background of the area, and management recommendations. If Stantec encounters archaeological sites in the area of potential effects, known as the APE, the report will include descriptions of each site and a historic context will be developed to evaluate each site for eligibility for inclusion in the California Register of Historical Resources. Site records will be attached as a confidential appendix to the report.

The Cultural Resources Report will be provided in a Draft format to UWCD for review. UWCD will provide one consolidated set of comments for incorporation by Stantec into the Final Cultural Resources Report.

#### References:

McKenna, Jeanette A. and McKenna et al. (McKenna et al.). 2004. Final – Cultural Resources Investigations and Paleontological Overview for the Simulation of Natural Flows in Middle Piru Creek Project, Los Angeles and Ventura Counties, California. Prepared for Aspen Environmental Group. November 2004.

#### Assumptions:

- No more than three sites total will be identified and recorded.
- Should Native American outreach occur, Stantec will provide the lead agency with a draft consultation letter to utilize for consultation.
- Stantec will have access to all proposed survey areas.
- No built resources will require evaluation or detailed documentation.
- If, and where required, in the interest of personnel safety, any areas with impassable vegetation, steep slopes, or that are otherwise deemed unsafe will not be surveyed, and will be depicted on the final survey coverage maps as “no coverage/inaccessible”.
- No tribal participation in field surveys has been factored into this scope.
- Stantec will obtain necessary permits for archaeological investigations, including Archeological Resources Protection Act of 1979 and DPR 412A

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

- One, five-day rotation, focused on the upper and lower Piru Creek. Prior to conducting field studies, Stantec will hold a kickoff meeting to review safety and logistics (e.g., access) with all participating team members (two), up to one hour long.
- Stantec assumes, consistent with the 2005 EIR, cultural resources will not be affected by the Project. The basis for the CEQA Addendum analysis will be data collected in the 2005 EIR and targeted field surveys.
- Should there be historic or prehistoric sites in the Project area that may be affected, Stantec will notify UWCD and assess the need for reduced flows or a Supplemental CEQA document.

#### Deliverables

- Draft and Final Archaeological Survey Report provided in Word and PDF formats

## Key Assumptions

Task specific assumptions are included with the task description above. Key costing assumptions are also highlighted below.

- Stantec assumes that UWCD will be the lead agency.
- A recreation technical field study is not required, rather UWCD will provide information, if needed regarding recreation flows under proposed release scenarios for inclusion into the CEQA Addendum, as estimated under the original TO1 project scope of services.
- Field surveys for each of the three resource areas can be conducted by two specialists (no more than three) within a week, including travel. This assumes three field days with a day before and after for safety and access confirmation, mobilization, and demobilization.
- The additional project description updates and technical study surveys and reporting can be completed in nine months or less.
- This scope of services does not include NEPA or environmental permitting support. It is assumed that separate from this scope of services, UWCD (and DWR) will be working through agency consultations relative to a DWR request for variances to their Water Quality Certification and existing FERC license. Stantec can provide additional consultation and permitting support services under a separate scope upon request.



Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

## Schedule

The proposed schedule for the Technical Studies and their incorporation into the CEQA Addendum is estimated to span up to nine months, from January through October 2023.

- **January 2022:** CO1 Notice to Proceed
- **January – September 2023:** Project Management and Administrative Record Documentation
- **January – February 2023:** Information Gathering and Project Description Update
- **March – April 2023:** Technical Study - Field Surveys (and if required, Native American Outreach Support)
- **April – May 2023:** Technical Study - Data Processing and Modeling
- **May – June 2023:** Technical Study - Reporting
- **July – August 2023:** Final Project Description Confirmation and CEQA Addendum Section Updates
- **September 2023:** File Copy or 30-day Public Notice of CEQA Document
- **October 2023:** CEQA Process Complete

This schedule is to facilitate CEQA compliance, assuming the flows will be tailored to avoid triggering new impacts or changing the level of impact disclosed in the 2005 EIR. If it is determined a Supplemental EIR or other CEQA document is required, Stantec can provide an updated schedule and scope of services.

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

## Proposed Fee

Based on our understanding of your requirements and our experience with similar projects, Stantec estimates that the fee required for our services will be approximately as described in Table 1.

**Table 1: Fee Estimate Summary by Task**

Task	Fee Estimate
Task 1: Project Management and Coordination	\$40,606
Task 2: Information Gathering	\$11,830
Task 3: Project Description Updates	\$8,424
Task 4: EIR Addendum Update	\$22,380
Task 5: Technical Studies	\$188,348
<b>Labor Subtotal</b>	<b>\$271,588</b>
<b>Other Direct Charges Subtotal</b>	<b>\$14,700</b>
<b>Total</b>	<b>\$286,288</b>

Our charges will not exceed the above fee estimate without prior authorization from UWCD. Stantec reserves the right to reallocate budget between the tasks as necessary, provided the overall total is not exceeded.

Stantec has estimated the cost of our services based on our understanding at this time of the scope and complexity of the work. During the performance of our services, the need for additional or expanded services may be determined. Stantec will make every reasonable effort to keep you informed of our progress and costs incurred.

## Authorization to Proceed

Should you require additional information or wish to discuss this work authorization further, please contact us via the information included in the signature blocks below. If this work authorization is satisfactory, please provide us written authorization to proceed in the form of a task order. This work shall conform to the terms and conditions of the On Call Agreement for Professional Consulting Services executed February 25, 2021.

Respectfully,

**STANTEC CONSULTING SERVICES INC.**

**Bryan Rorie**

Project Manager  
Phone: (916) 418-8254  
bryan.rorie@stantec.com

**Bernadette Bezy**

Principal, Technical Lead  
Phone: (530) 575-6508  
bernadette.bezy@stantec.com

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

By signing this proposal, \_\_\_\_\_ authorizes Stantec to proceed with the services  
Client Company Name  
herein described and the Client acknowledges that it has read and agrees to be bound by the attached  
Professional Services Terms and Conditions.

This proposal is accepted and agreed on the \_\_\_\_ of \_\_\_\_\_, \_\_\_\_\_.  
Day Month Year

Per: \_\_\_\_\_  
Client Company Name

\_\_\_\_\_  
Print Name & Title

\_\_\_\_\_  
Signature



**Stantec Consulting Services Inc.**  
3301 C Street, Suite 1900  
Sacramento CA 95816-3394

## **Appendix A:** **Existing Relevant Data, including Survey Extents and Dates – Middle Piru Creek**

Table A-1: Existing Relevant DWR Data, Extents and Survey Dates – Middle Piru Creek\*

Resource Area	Survey Type	Miles Covered	Survey or Report Date	Notes
Hydrology	Indicators of Hydrologic Alteration	The study area for the IHA Study will consist of Pyramid reach. Specifically, flow statistics will be developed for a single location in the Pyramid reach immediately downstream of where the Pyramid Dam spillway enters Pyramid reach.	Analysis was conducted from July 2018 – September 2018	N/A
Water Quality	Water Quality and Temperature Monitoring	(1) Pyramid reach, near the base of Pyramid Dam; (2) Pyramid reach, about 1.5 miles downstream of Pyramid Dam; (3) Pyramid reach, about 3.0 miles downstream of Pyramid Dam (near Frenchmen's Flat); and (4) Pyramid reach, upstream of Lake Piru near Blue Point Campground.	2017	Includes Turbidity and Temperature
Erosion	Erosion Monitoring at Infrastructure Sites	Middle Piru Creek, which is an 18 mile reach of Piru Creek from Pyramid Dam to Lake Piru.	Ongoing	Includes a catalogue of historical imagery and high flow events.
Fish	Fish Habitat Assessment, electro-fishing, and eDNA sampling	Extensive habitat mapping of 6.35 miles of Pyramid reach was divided into three stream segments: two segments located within the first 4 miles immediately downstream of Pyramid Dam and one directly upstream of the NMWSE of Lake Piru.	2018	Habitat mapping, electrofishing, and qPCR eDNA surveys for Arroyo Chub, Rainbow Trout, and Santa Ana Sucker

Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

Resource Area	Survey Type	Miles Covered	Survey or Report Date	Notes
Biological Resources - BMI	Benthic Macroinvertebrates Sampling	Pyramid dam and two miles of Piru Creek downstream, one mile from Frenchman's Flat, and from Fish Creek to Lake Piru	2018	N/A
Special Status Amphibians and Semi-Aquatic Reptiles	VES surveys (and eDNA for FYLF)	The study area for the Special-Status Aquatic Amphibians and Semi-Aquatic Snakes Study consists of the area within the proposed Project boundary, excluding lands overlying the Angeles Tunnel on which the Licensees do not perform any Project O&M activities. In addition, the study area for the Special-Status Aquatic Amphibians and Semi-Aquatic Snakes Study will include the Pyramid reach.	2018	VES and eDNA surveys – FYLF, Western Spadefoot, two striped garter snake, WPT
Biological Resources- Aquatic Amphibians- California red-legged frog	Targeted habitat assessment	Two sites along Piru Creek	2018	N/A
Aquatic Amphibians- Arroyo Toad	Arroyo Toad VES surveys	Annual monitoring of 6.6 miles of Middle Piru Creek where Arroyo Toad are known to occur	2020	N/A



Reference: CEQA Addendum to DWR 2005 Simulation of Natural Flows EIR – Change Order 1

Resource Area	Survey Type	Miles Covered	Survey or Report Date	Notes
Terrestrial Wildlife – Habitat Mapping	California Wildlife Habitat Relationships Study	Near the Piru Outlet	Terrestrial Wildlife – Habitat Mapping	California Wildlife Habitat Relationships Study
Cultural and Paleontological Resources	Record Search, Native American Outreach and Intensive Field Surveys	Cultural and Paleontological study of Middle Piru Creek (18 miles)	2004	N/A

Key:

*eDNA* = environmental DNA

*FYLF* = Foothill yellow-legged frog

*IHA* = Indicators of Hydrologic Alteration

*N/A* = not applicable

*NMWSE* = normal maximum water surface elevation

*O&M* = operations and maintenance

*qPCR* = quantitative polymerase chain reaction

*VES* = Visual Encounter Survey

*WPT* = Western pond turtle

\*Note: UWCD has also provided Stantec with existing relevant data from recent terrestrial and aquatic studies, including recent willow fly catcher, least bell's vireo, and arroyo toad studies.

FEE ESTIMATE  
UWCD CEQA Addendum - CO1

Name	Specialized Technical Professional (Project Manager)	Senior Level Consultant (Regulatory/Technical Advisor)	Specialized Technical Professional (CEQA Team Lead)	Supervisor Professional (Environmental Scientist)	Senior Level Consultant (Hydrologist)	Supervisor Professional (Hydrologist)	Specialized Technical Professional (Fluvial Geomorphologist)	Specialized Technical Professional (Environmental Scientist (Cultural))	Supervisor Professional (Built Environment)	Supervisor Professional (Environmental Scientist (Bio))	Senior Level Consultant (Biologist TR)	Supervisor Professional (Environmental Scientist (Bio))	Supervisor Professional (GIS)	Specialized Technical Professional (Bio Field Lead)	Qualified Professional (Bio and Hydro Field Tech)	Specialized Technical Professional (Technical Editor)	Supervisor Professional (Assistant PM)	Qualified Professional (Cultural Field Lead)	Supervisor Professional (Cultural Field)	Hotel	Travel (Airfare/Mileage)	Incidentals	CCIC Records Search
	Rorie, Bryan	Bezy, Bernadette	Gray, Kate	Messier, Indya	Greimann, Blair	Rossi, Rebecca	Pearson, Jason	Sherlock, Erin	Riggs, Becca	Eppinger, Emily	Varonin, Jared	Stoddard, Robert	Jarvis, Jessica	Hoetker, Geoff	Blaich, Ryan	Eber, Lauren	Hennigan, Savannah	Dinarte, Rudy	Hulbert, Colleen				
	Project Billing Rate	\$201.00	\$243.00	\$192.00	\$164.00	\$243.00	\$170.00	\$217.00	\$201.00	\$164.00	\$170.00	\$228.00	\$183.00	\$164.00	\$201.00	\$149.00	\$183.00	\$149.00	\$164.00	\$300.00	\$750.00	\$250.00	\$500.00
	Total Units (T&M)	32.00	96.00	12.00	50.00	172.00	120.00	248.00	72.00	16.00	28.00	10.00	36.00	58.00	60.00	60.00	40.00	60.00	112.00	112.00	24.00	6.00	6.00
Total Fee (T&M)	\$6,432.00	\$23,328.00	\$2,304.00	\$8,200.00	\$41,796.00	\$20,400.00	\$53,816.00	\$14,472.00	\$2,624.00	\$4,760.00	\$2,280.00	\$6,588.00	\$9,512.00	\$12,060.00	\$8,940.00	\$8,040.00	\$10,980.00	\$16,688.00	\$18,368.00	\$7,200.00	\$4,500.00	\$1,500.00	\$1,500.00


Task	Task Name	Units																					
1	Project Management	32	40	50	16	16	50																
2	Information Gathering	8	12	4	16	2	16	2														3	
3	Project Description	12	12	12	6	8																	
4	2005 EIR Addendum	12	12	24	12	12	12	16	8														
5	Project Specific Studies																						
5.1	Hydrology		12			108	120	248				8	24	12	60	60	8			8	2	2	
5.2	Biological Resources		6								8	24	12	60	60				8	2	2		
5.3	Cultural Resources		6						40	16			12				8		112	112	8	2	2

Task Type	Hours	Labour	Expense	Total
T&M	204.00	\$40,606.00	\$0.00	\$40,606.00
T&M	60.00	\$11,830.00	\$1,500.00	\$13,330.00
T&M	38.00	\$8,424.00	\$0.00	\$8,424.00
T&M	108.00	\$22,380.00	\$0.00	\$22,380.00
T&M	984.00	\$188,348.00	\$13,200.00	\$201,548.00
T&M	508.00	\$106,952.00	\$4,400.00	\$111,352.00
T&M	170.00	\$30,642.00	\$4,400.00	\$35,042.00
T&M	306.00	\$50,754.00	\$4,400.00	\$55,154.00

**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Dr. Maryam Bral, Chief Engineer  
Linda Purpus, Environmental Services Manager   
Randall McInvale, Principal Environmental Scientist

**Date:** January 24, 2023 (February 8, 2023 meeting)

**Agenda Item:** **5.2 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Consulting Services Agreement with  
Stillwater Sciences - \$230,000  
Motion**

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**Staff Recommendation:**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Stillwater Sciences (Stillwater) in the amount of \$230,000 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

**Background:**

United Water Conservation District (United) entered into the PCS agreement with Stillwater on April 16, 2014, and since that time, the Freeman Diversion MSHCP has increased in complexity and regulatory scrutiny. In response, United requested that Stillwater expand the scope of work significantly, and the agreement has been amended on nine occasions. Stillwater has provided services in support of the District's efforts in the foundational studies for the effects analyses, assisted with revising technical aspects of the MSHCP, and participated in live-edit meetings with regulatory agencies, promoting progress in resolving outstanding issues in the MSHCP planning process.

This proposed ninth amendment will provide for continuity of services and allow for Stillwater to provide additional services necessary to update the MSHCP. Specifically, the amendment will cover MSHCP chapter updates, incorporation of technical study results, and internal MSHCP team and regulatory agency meetings through December 31, 2023.

**Discussion:**

Following submittal of the fourth draft MSHCP in June 2020, United has continued to develop the fish passage facility alternatives through physical modeling and associated design updates. In accordance with the December 2018 permanent injunction and October 2021 stipulation, the

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**Agenda Item: 5.2 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Services Agreement with Stillwater Sciences  
- \$230,000  
Motion**

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MSHCP and regulatory applications must be submitted by September 22, 2023. Stillwater has provided key support to United in the development of previous drafts of the MSHCP and supporting technical studies since 2014. Stillwater's team possesses extensive experience with the operation of the Freeman Diversion, the fish passage alternative design concepts, covered species, and the dynamic environmental processes associated with the Santa Clara River that is vital to the completion of the updates to the MSHCP and regulatory applications. The proposed amendment would increase the contract by \$230,000 and result in a total revised not-to-exceed amount of \$908,628.

A copy of the Amendment to the PCS agreement detailing Stillwater's complete proposal, including the scope of work and deliverables and proposed fee is included in Attachment A.

**Fiscal Impact:**

Sufficient funds in the amount of \$138,000 are available to carry the work through FY 2022-23. Funding for the services to be conducted under the proposed amendment is included in the Fiscal Year (FY) 2022-23 Capital Improvement Project Budget under 421-400-81080; 8001-825 and Freeman Fund under 420-600-52220; 1020-300 (a budget transfer from the 420 fund to the 421 fund will be proposed to the Finance and Audit Committee in March 2023). The remaining \$92,000 will be included in the FY 2023-24 budget.

**Attachment:**

Attachment A – Ninth Amendment Agreement for Professional Consulting Services

**NINTH AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

This Amendment to the Agreement for Professional Consulting Services is entered into as of \_\_\_\_\_, 2023, by and between **United Water Conservation District (UNITED)**, a public entity, and **Stillwater Sciences (CONSULTANT)** with reference to the following terms and conditions:

WITNESSETH

WHEREAS, on April 16, 2014, UNITED and CONSULTANT entered into a Professional Consulting Services AGREEMENT for the purpose of providing technical assistance to support development of the “Freeman Diversion Multiple Species Habitat Conservation Plan”, and entered into a FIRST AMENDMENT to said AGREEMENT on June 22, 2016, a SECOND AMENDMENT on May 24, 2018, a THIRD AMENDMENT on June 24, 2019, a FOURTH AMENDMENT on July 25, 2019, a FIFTH AMENDMENT on October 24, 2019, a SIXTH AMENDMENT on May 14, 2020, a SEVENTH AMENDMENT on January 26, 2021 and, entered into an EIGHTH AMENDMENT on September 23, 2021;

and;

WHEREAS, UNITED and CONSULTANT have discussed and agreed to amend certain terms and conditions of the AGREEMENT, the FIRST AMENDMENT, SECOND AMENDMENT, THIRD AMENDMENT, FOURTH AMENDMENT, FIFTH AMENDMENT, SIXTH AMENDMENT, SEVENTH AMENDMENT, and EIGHTH AMENDMENT involving scope of work, and compensation as specified in this NINTH AMENDMENT.

NOW, THEREFORE, based on the covenants and considerations set forth, UNITED and CONSULTANT mutually agree as follows:

1. The not-to-exceed total charge described in the AGREEMENT and all prior AMENDMENTS is hereby increased by \$230,000. This amendment results in a total revised not-to-exceed amount of: \$908,628 as total payment inclusive of all services.
2. The Scope of Work included as Exhibit A of the AGREEMENT, Attachment A of the FIRST AMENDMENT, Attachment A of the SECOND AMENDMENT, Attachment A of the THIRD AMENDMENT, Attachment A of the FOURTH AMENDMENT, Attachment A of the FIFTH AMENDMENT, and Attachment A of the SIXTH AMENDMENT, is hereby amended to include the revised Scope of Work and schedule included in Attachment A of this NINTH AMENDMENT.
3. The term of the AGREEMENT and all prior AMENDMENTS will expire on December 31, 2023.
4. Each and all other provisions of said AGREEMENT and FIRST AMENDMENT, SECOND AMENDMENT, THIRD AMENDMENT, FOURTH AMENDMENT, FIFTH AMENDMENT, SIXTH AMENDMENT, SEVENTH AMENDMENT, and EIGHTH AMENDMENT remain in full force and effect and apply to all services and payments made under this NINTH AMENDMENT.

UNITED WATER CONSERVATION DISTRICT

By \_\_\_\_\_  
Mauricio E. Guardado, Jr., General Manager

Stillwater Sciences

By \_\_\_\_\_  
Sapna Khandwala, CEO/ President

**ATTACHMENT “A”  
NINTH AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

**Revised Scope of Work and Fee Schedule**





January, 2023  
Randall McInvale  
United Water Conservation District  
1701 Lombard Street, Suite 200  
Oxnard, CA 93030  
[lindap@unitedwater.org](mailto:lindap@unitedwater.org)

Re: Amended scope and cost proposal for in support of the United Water Conservation District's Multiple Species Habitat Conservation Plan

Dear Mr. McInvale,

For your review, Stillwater Sciences (Stillwater) is pleased to submit an amended scope and budget proposal to support United Water Conservation District (United) with development of a parallel Multiple Species Habitat Conservation Plan (MSHCP) with a Hardened Ramp alternative for the fish passage project as well as finalization of the 2023 MSHCP with final fish passage decision to be determined. For the task below, Stillwater key staff include Ethan Bell, M.S., Katherine Ayres, Ph.D., Matt Drenner Ph.D., Catlin Ames Ph.D., Danielle Yaconelli and Bruce Orr. Other Stillwater staff will be included for support as appropriate.

## Scope of Work

### Task 11: Project Management and Meetings

This task includes budget for Stillwater to support United in internal meetings as well as external agency meetings.

#### *Assumptions*

- A. Biweekly virtual internal meetings with United, HCP consulting team, and/or United's legal team of one hour from February – May (9 meetings).
- B. Weekly virtual internal meetings with United, HCP consulting team, and/or United's legal team of one hour from June–September (17 meetings).
- C. Six virtual, 2-hour meetings with agency staff at United's discretion
- D. Two in-person, 5-hour meetings in the L.A. or Ventura areas at United's discretion.
- E. All meetings assume attendance of one Stillwater team member on the project management team and one Stillwater team member with technical expertise relevant to the agenda. Assumed to be two different people but it could be one person that covers both when feasible.
- F. All meetings assume time for preparation (such as helping prepare and reviewing agendas), meeting participation, and follow up (such as reviewing meeting notes and providing feedback on meeting notes, action items, or recommended strategy adjustment outside the regular internal meetings).

*Increased budget by \$30,800 in labor and \$3,400 in expenses to cover increased scope for a total budget of \$34,200.*

Berkeley, CA  
510.848.8098

Arcata, CA  
707.822.9607

Davis, CA  
530.756.7550

Portland, OR  
503.267.9006

Morro Bay, CA  
805.570.7499

Boulder, CO  
720.656.2330

Los Angeles, CA  
424.302.3910

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**Task 12: Hardened Ramp Alternative Multiple Species Habitat Conservation Plan**

This task includes budget to support United Water in developing a parallel path MSHCP featuring a hardened ramp fish passage alternative. Stillwater Sciences would be responsible for updating sections of the 2020 HCP that relate to the covered fish species that take into account this alternative. Stillwater would be responsible for updating the Conservation Program, Monitoring and Adaptive Management, and Effects Analysis with regard to these fish species specifically related to the hardened ramp fish passage alternative. Updates required for both alternatives are included in Task 13 below.

*Assumptions*

- A. The covered fish species (southern California steelhead, Pacific lamprey, and tide water goby) from the 2020 draft HCP would be the same species carried forward. If Santa Ana sucker or other fish species are added to the scope of work, another contract amendment would be needed.
- B. United will provide the engineering design documents and all data and/or modeling outputs needed for interpretation of hardened ramp effects on covered fish and their habitat.

*Increased budget by \$84,290 to cover increased scope.*

**Task 13: Final 2023 Multiple Species Habitat Conservation Plan**

This task includes budget to support United Water in finalizing the MSHCP following a fish passage decision by May 2023 (or new court ordered date if applicable). Stillwater Sciences would be responsible for updating sections of the 2020 HCP that relate to the covered fish species. Stillwater would be responsible for updating the Existing Conditions, Covered Species, Conservation Program, Monitoring and Adaptive Management, and Effects Analysis with regard to covered fish species and Stillwater would support United in ensuring consistency across all chapters with regard to fish species and associated best available science.

*Assumptions*

- A. Both assumptions for Task 12 also apply to Task 13.
- B. No change or minor changes to the four instream flow operations conservation measures to the extent that prior effects analyses developed by R2 Resources and Stillwater Sciences are still relevant for consideration when writing the effects analysis (i.e., no new modeling will be needed from Stillwater).
- C. United will prepare any new sediment management plans with sufficient detail to interpret the effects to covered fish species. Stillwater may assist United with preparation of the Sediment Management Plan up to 10 hours at the SE 18 level or equivalent hours for the same budget at a lower classification.
- D. Stillwater will integrate information from the Fish in Good Condition (Fish and Game Code 5937) effort under another contract into the MSHCP document as appropriate and to maintain consistency between the two efforts at United's direction.

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*Increased budget by \$90,000 to cover increased scope.*

#### **Task 14: Other Permitting Support**

This task includes budget for Stillwater to support United in meetings or with reviewing documents related to other permit applications and environmental review relevant to the MSHCP (e.g., EIR, EIS, LSAA, CWA Sections 404 and 401, or any document related to changes in water rights) up to 90 hours of staff time at the SE 18 level or equivalent hours for the same budget at a lower classification.

*Increased budget by \$21,510 to cover increased scope*

#### **Budget**

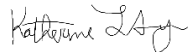
The tasks outlined above will be conducted using Stillwater's standard billing rates (Exhibit A attached) on a time and materials basis with a total not-to-exceed cost of \$230,000.

#### **Deliverables Schedule**

Schedule and deliverables for all tasks will be as directed by United but Stillwater assumes that United will select a fish passage alternative by May 2023 and final MSHCP would be due in September 2023 unless the schedule is extended through the ongoing court mediation process.

Please let us know if you have any questions or would like to discuss further.

Sincerely,



Katherine Ayres, Ph.D.

Senior Scientist

Stillwater Sciences

[KAyres@Stillwatersci.com](mailto:KAyres@Stillwatersci.com)

## Attachment A. Fee Schedule

Stillwater Sciences Billing Rates Effective January 2, 2023	
Billing Classification	Hourly Rate
S/A 1	\$75
S/A 2	\$90
S/A 3	\$101
S/E 4	\$109
S/E 5	\$115
S/E 6	\$122
S/E 7	\$128
S/E 8	\$134
S/E 9	\$140
S/E 10	\$149
S/E 11	\$155
S/E 12	\$163
S/E 13	\$176
S/E 14	\$189
S/E 15	\$199
S/E 16	\$215
S/E 17	\$223
S/E 18	\$235
S/E 19	\$249
S/E 20	\$265

S/A = Scientist/Administrator; S/E = Scientist/Engineer

Rates are applied for labor-hour level-of-effort contracts with reimbursement for expenses (including travel expenses and subcontractors) at cost. Hourly rates will be adjusted on January 1st of each year.

Berkeley, CA  
510.848.8098

Arcata, CA  
707.822.9607

Davis, CA  
530.756.7550

Portland, OR  
503.267.9006

Morro Bay, CA  
805.570.7499

Boulder, CO  
720.656.2330


Los Angeles, CA  
213.336.0001



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Dr. Maryam Bral, Chief Engineer  
Linda Purpus, Environmental Services Manager   
Randall McInvale, Principal Environmental Scientist

**Date:** January 24, 2023 (February 8, 2023 meeting)

**Agenda Item:** **5.3 Freeman Diversion Multiple Species Habitat Conservation Plan – Amendment to Professional Consulting Services Agreement with Rincon Consultants - \$215,381**  
**Motion**

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#### **Staff Recommendation:**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with Rincon Consultants (Rincon) in the amount of \$215,381 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

#### **Background:**

United entered into the PCS agreement with Rincon Consultants on December 2, 2020, for the completion of environmental consulting services related to the development of the Freeman Diversion MSHCP as well as regulatory permitting associated with the future fish passage facility construction and operation. Since that time, the agreement was amended once to extend the term of the agreement. This proposed second amendment will provide for continuity of services and allow Rincon Consultants to provide additional services necessary to update the MSHCP and regulatory applications.

This proposed second amendment will provide for continuity of services and allow for Rincon to provide additional services necessary to update the MSHCP and regulatory applications. Specifically, the amendment will cover MSHCP chapter updates, regulatory permit application packages, Environmental Impact Report peer review, internal MSHCP team and regulatory agency meetings through December 31, 2023.

**Agenda Item: 5.3 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Services Agreement with Rincon  
Consultants - \$215,381  
Motion**

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**Discussion:**

Following submittal of the fourth draft MSHCP in June 2020, United has continued to develop the fish passage facility alternatives through physical modeling and associated design updates. In accordance with the December 2018 permanent injunction and October 2021 stipulation, the MSHCP and regulatory applications must be submitted by September 22, 2023. As part of the MSHCP team, Rincon has provided key support to United in the development of previous drafts of the MSHCP and supporting technical studies beginning in 2013. Rincon's team possesses extensive experience with the operation of the Freeman Diversion, the fish passage alternative design concepts, covered species the regulatory permitting requirements and the dynamic environmental processes associated with the Santa Clara River that is vital to the completion of the updates to the MSHCP and regulatory applications. The proposed amendment would increase the contract by \$215,381 and result in a total revised not-to-exceed amount of \$258,841.

A copy of the Amendment to the PCS agreement detailing Rincon's complete proposal, including the scope of work and deliverables and proposed fee is included in Attachment A.

**Fiscal Impact:**

Sufficient funds in the amount of \$129,300 are available to carry the work through FY 2022-23. Funding for the services to be conducted under the proposed amendment is included in the Fiscal Year (FY) 2022-23 Budget under the Capital Improvement Project 421-400-81080; 8001-825 and Freeman Fund under 420-600-52220; 1020-300 (a budget transfer from the 420 fund to the 421 fund will be proposed to the Finance and Audit Committee in March 2023). The remaining \$86,081 will be included in the FY 2023-24 budget.

**Attachment:**

Attachment A – Second Amendment Agreement for Professional Consulting Services

**SECOND AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

This Amendment to the Agreement for Professional Consulting Services is entered into as of \_\_\_\_\_, 2023, by and between **United Water Conservation District (UNITED)**, a public entity, and **Rincon Consultants, Inc. (CONSULTANT)** with reference to the following terms and conditions:

WITNESSETH

WHEREAS, on December 2, 2020, UNITED and CONSULTANT entered into a Professional Consulting Services AGREEMENT for the purpose of providing environmental consultation services to support development of the “Freeman Diversion Multiple Species Habitat Conservation Plan” and associated jurisdictional waters permits, and entered into a FIRST AMENDMENT on September 23, 2021; and;

WHEREAS, UNITED and CONSULTANT have discussed and agreed to amend certain terms and conditions of the AGREEMENT, the FIRST AMENDMENT involving scope of work, and compensation as specified in this SECOND AMENDMENT.

NOW, THEREFORE, based on the covenants and considerations set forth, UNITED and CONSULTANT mutually agree as follows:

1. The not-to-exceed total charge described in the AGREEMENT and all prior AMENDMENTS is hereby increased by \$215,381. This amendment results in a total revised not-to-exceed amount of: \$258,841 as total payment inclusive of all services.
2. The Scope of Work and Fee Schedule included as Exhibit A of the AGREEMENT is hereby amended to include the Scope of Work included as Attachment A of this SECOND AMENDMENT.
3. The term of the AGREEMENT and all prior AMENDMENTS will expire on December 31, 2023.
4. Each and all other provisions of said AGREEMENT and FIRST AMENDMENT remain in full force and effect and apply to all services and payments made under this SECOND AMENDMENT.

UNITED WATER CONSERVATION DISTRICT

By \_\_\_\_\_  
Mauricio E. Guardado, Jr., General Manager

Rincon Consultants, Inc.

By \_\_\_\_\_  
Steven Hongola, Vice President



**ATTACHMENT "A"**  
**SECOND AMENDMENT TO**  
**AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

**Revised Scope of Work and Fee Schedule**



**Rincon Consultants, Inc.**

180 North Ashwood Avenue  
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com  
www.rinconconsultants.com

January 13, 2023  
Project Number 20-10056

Randall McInvale  
Environmental Scientist  
United Water Conservation District  
Environmental Services  
1701 N. Lombard Street, Suite 200  
Oxnard, CA 93030

**Subject: Proposal for Completion of the 5<sup>th</sup> Draft of the Freeman Diversion Multiple Species Habitat Conservation Plan and Associated Jurisdictional Waters Permits for the 2023 Milestone Deadlines; Ventura County, California**

Dear Mr. McInvale,

At the request of United Water Conservation District (United), Rincon Consultants, Inc. (Rincon) is pleased to provide this scope and cost estimate for support in completion of the 5<sup>th</sup> Draft of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) for the Freeman Diversion Renovation Project, Saticoy, Ventura County, California. The following scope and cost estimate outlines Rincon's role and the level of effort expected for each of the associated tasks. We understand United will be pursuing a "two-path" approach to completing the MSHCP. Initially, the MSHCP for the Hardened Ramp will need to be prepared to the same level of detail as contained in the MSHCP for the Vertical Slot. On May 10, 2023, the preferred fish passage alternative is scheduled to be selected. Following selection of the preferred project, the corresponding MSHCP will be updated and advanced to completed draft stage in time for the court order agency submittal date of September 22, 2023.

Costs provided here are anticipated not-to-exceed amounts based on experience. Any additional services beyond the scope outlined below, or any support that exceeds the budget provided herein will be covered under a scope amendment.

## Scope of Work

Our scope of work includes five tasks as outlined below. The initial task will involve preparation of the draft Hardened Ramp Multiple Species Habitat Conservation Plan (HR-MSHCP). Following selection of the preferred project (preferred fish passage alternative), the second task outlined below will involve advancing the associated MSHCP to the final draft stage for agency submittal in September 2023. In parallel to the MSHCP tasks, we outline below two tasks for preparing revised permits for impacts to jurisdictional waters for each of the relevant resource agencies, and for providing California Environmental Quality Act (CEQA) support in peer reviewing the Environmental Impact Report (EIR) document sections. We assume Rincon would not be responsible for peer reviewing Environmental Impact Statement sections being prepared for National Environmental Policy Act (NEPA) compliance; however, we are prepared to offer this support if needed and would be able to provide a staffing "firewall" to avoid conflicts of interest with staff preparing the MSHCP.

## Task 1. Prepare Draft Hardened Ramp - Multiple Species Habitat Conservation Plan

Rincon will provide support to United with preparation of the chapters and sections of the draft HR-MSHCP historically under Rincon's responsibility. Under the direction of United, Rincon's role in preparation of the HR-MSHCP will involve the following specific tasks:

- Support United, as needed, with language associated with introductory material (Chapter 1) and general (i.e., not related to hydrogeology, hydrography) existing conditions (Chapter 2). We understand United will address most of the material for these two chapters and we have only included time to respond to support requests, as needed.
- Review and update language, as needed, for terrestrial species (Chapter 4: vireo, flycatcher, cuckoo, pond turtle). We assume some additional discussion will be needed to account for updated riparian bird surveys.
- Review and update, as needed, mitigation measures (Chapter 5) and effects analysis (Chapter 7) related to terrestrial species and general project best management practices.
- Support United and ICF, as needed, with revisions to the adaptive management and monitoring (Chapter 6) program associated with the Hardened Ramp project design.
- Review and revise MSHCP Appendices, as needed, related to the hardened ramp project design.
- Provide GIS services for preparation of all document graphics related to the Hardened Ramp project design. The full MSHCP includes 87 graphics, of which we anticipate needing to update 70 graphics for the Hardened Ramp project design.
- Provide Technical Editing and Publication (Production) services for the complete final draft HR-MSHCP.

The draft HR-MSHCP will be completed by the court-ordered date of May 10, 2023, when United will be required to select a preferred project. Rincon will assume responsibility for delivery of the completed draft HR-MSHCP and will work with United to ensure the draft is prepared to United's standards and is uploaded to United's SharePoint site on time. We assume United will lead coordination with subconsultants to ensure chapters are completed in a timely manner for Rincon to complete technical editorial review, production formatting, and final QAQC.

## Task 2. Fifth Draft MSHCP Edits and Review

Rincon will provide support to United on advancing the 5<sup>th</sup> draft (preferred fish passage project) of the MSHCP to a final agency submittal. Revisions and preparation of the 5<sup>th</sup> draft MSHCP will largely be in response to agency comments and ongoing consultation. Rincon's primary role in preparation of the MSHCP will be as follows:

- Update language associated with introductory material (Chapter 1) and general (i.e., not related to hydrogeology, hydrography) existing conditions (Chapter 2), as needed. We understand United will address most of the material for these two chapters and we have only included time to respond to support requests and edits, as needed.
- Revise and finalize language, as needed, associated with terrestrial species (Chapter 4: vireo, flycatcher, cuckoo, and pond turtle).
- In response to agency comments and United's needs, revise, as needed, mitigation measures (Chapter 5) and effects analysis (Chapter 7) related to terrestrial species and general project best management practices.



- Support United and ICF, as needed, with revisions of the adaptive management and monitoring (Chapter 6) program associated with the preferred project design.
- Review and update MSHCP Appendices, as needed, related to the chosen preferred project.
- Provide GIS services for revisions and edits to all chapter graphics.
- Coordinate submittal of all MSHCP chapters to ICF for complete document peer review and respond to comments and edits for language assigned to Rincon.
- Provide Technical Editing and Publication (Production) services for the complete final draft HR-MSHCP.
- Coordinate submittal of the final draft MSHCP to relevant agencies.

The final draft MSHCP for the preferred project will be completed by the court-ordered deadline of September 22, 2023. Rincon will assume responsibility for delivery of the completed final draft MSHCP for the preferred project and will work with United to ensure the draft is prepared to United's standards and is uploaded to United's SharePoint site on time. We assume United will lead coordination with subconsultants to ensure chapters are completed in a timely manner for Rincon to complete technical editorial review, production formatting, and final QAQC.

### Task 3. Jurisdictional Waters Regulatory Permit Acquisition Support

Regulatory permits were submitted to each of the three water resource agencies in June 2020. We understand that agencies ultimately rejected permit applications at that time given the timing of project initiation. Therefore, new permit applications will need to be prepared and resubmitted. Additionally, a current aquatic delineation study will be needed to support jurisdictional determinations and to account for updates to the impact area.

Rincon will complete an aquatic delineation study of the impact footprint, to be determined in coordination with United. We understand United will want to complete a delineation of the Santa Clara River farther upstream to account for ongoing sediment management activities associated with operation the Freeman Diversion and fish passage facility. Our scope accounts for a level-of-effort for the aquatic delineation that will involve four person days (2 staff, 2 days). Following completion of the aquatic delineation fieldwork, Rincon will prepare a standalone report that will be submitted in support of waters permits. The report will address the requirements of all three water agencies (CDFW, Army Corps, and Water Board). Rincon will prepare permit application/notification packages for the preferred project to be determined on May 10, 2023. Rincon will provide support in coordination with water resource agencies during review and negotiation of the water permits. We will work closely with the United team to provide review of agency comments and prepare the necessary responses and revisions to permit materials.

### Task 4. CEQA Support

Rincon will provide support to United for third-party review of the preferred project's CEQA document being prepared by Ascent Environmental. The Rincon Project Manager and other technical specialist staff will be available to assist, as directed by United, for this task. We assume that the CEQA document review support will consist of no more than 72 hours (approximately 6 hours for up to 12 sections); however, if needed, Rincon staff can continue to assist as needed on a time and materials billable basis according to our current rate sheet (see Attachment B).

### Task 5. Project Management and Meetings

This task involves overall project management and coordination with United and the consultant team



for the duration of the project term, including the establishment of communication and deliverable protocols, task scheduling, invoicing, and general project administrative needs. Rincon will collaborate with United and the consultant team to prepare an overall project schedule outlining a schedule for deliverable milestones, internal review timing, and agency meetings.

Internal coordination meetings and agency meetings are included under this task. Meetings will be required for both MSHCP coordination and for water permit coordination. We have assumed internal MSHCP meetings will be held twice monthly from February through May, and then weekly from May through September. This amounts to 26 internal MSHCP coordination meetings. We have assumed internal permit coordination meetings will be needed from June through September and will be held once per month. This amounts to four internal permit coordination meetings. Finally, we have assumed agency meetings will be held from April through September and would be held monthly, with two held in-person in Long Beach. This amounts to four virtual and two in-person agency meetings. All meetings are assumed to be one hour long, except for in-person agency meetings, which are assumed to be five hours each to account for travel. Meetings would be attended by the Rincon Project Manager, with some addition time included for a support junior staff person to attend meetings or compile meeting notes.

## Cost Estimate

We suggest establishing a budget of \$243,181 (Attachment A) to support with the anticipated upcoming tasks described above. Rincon currently has \$27,800 remaining in the HCP Support Services contract (Dated: December 2, 2020; Modified: January 21, 2021; Renewed: September 23, 2021, and June 20, 2022). Considering the remaining funds in the contract, the additional budget recommended here would be **\$215,381**. All tasks will be billed on a time and materials basis in accordance with Rincon's 2022 Standard Rates (Attachment B).

Rincon is committed to providing excellent biological and environmental services. Please call if you have any questions regarding this letter or any other matters related to our services. Thank you for the continued opportunity to assist you with this project.

Sincerely,  
RINCON CONSULTANTS, INC.



Eric Schaad, M.Sc.  
Project Manager / Supervising Biologist



Steven J. Hongola  
Principal Biologist



Christopher Julian  
Principal Regulatory Specialist

Attachments:  
Attachment A: Cost Estimate Summary Table  
Attachment B: Rincon 2022 Fee Schedule



# Attachment A

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Cost Estimate



RINCON CONSULTANTS, INC.  
20-10056 UW MSHCP Support Services  
Cost Estimate

	Rate	Hours	Labor Budget	Direct Expenses	Total Budget
<b>Task 1: Draft Hardened Ramp Alternative MSHCP</b>		298.00	51,980.00	-	51,980.00
Task 1.1 Draft Chapters 1 through 7		112.00	23,520.00	-	23,520.00
Task 1.2 GIS Graphic		70.00	10,220.00	-	10,220.00
Task 1.3 Formatting and publication review all chapters		32.00	3,360.00	-	3,360.00
Task 1.4 Technical Review and QAQC all chapters		84.00	14,880.00	-	14,880.00
<b>Task 2: Fifth Draft MSHCP Edits and Review</b>		456.00	91,008.00	-	91,008.00
Task 2.1 Revise Chapters 1 through 7		292.00	63,376.00	-	63,376.00
Task 2.2 GIS Graphics revisions		32.00	4,672.00	-	4,672.00
Task 2.3 Formatting and publication review all chapters		32.00	3,360.00	-	3,360.00
Task 2.4 Technical Review and QAQC all chapters		100.00	19,600.00	-	19,600.00
<b>Task 3: Jurisdictional Waters Regulatory Permit Acquisition Support</b>		249.00	50,963.00	1,260.00	52,223.00
Task 3.1 Aquatic Delineation		120.00	22,868.00	1,260.00	24,128.00
Task 3.2 CWA 404		43.00	9,365.00	-	9,365.00
Task 3.3 CWA 401		43.00	9,365.00	-	9,365.00
Task 3.4 CFGC 1600		43.00	9,365.00	-	9,365.00
<b>Task 4: CEQA Support Peer Review</b>		72.00	17,280.00	-	17,280.00
Task 4.1 Peer review of CEQA sections		72.00	17,280.00	-	17,280.00
<b>Task 5: Project Management</b>		144.00	30,690.00	-	30,690.00
Task 5.1 Project Management		144.00	30,690.00	-	30,690.00
<b>Project Total</b>		<b>1,219.00</b>	<b>241,921.00</b>	<b>1,260.00</b>	<b>243,181.00</b>

Direct Expenses Summary	Amount
Submeter Accuracy GPS	260.00
Standard Field Package	440.00
4WD/Offroad Vehicle Day Rate	560.00
<b>Direct Expenses Subtotal</b>	<b>1,260.00</b>



# Attachment B

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Rincon 2022 Standard Fee Schedule

**Standard Fee Schedule for Environmental Sciences and Planning Services**

Professional, Technical and Support Personnel*	Hourly Rate
Principal II	\$295
Director II	\$295
Principal I	\$285
Director I	\$285
Senior Supervisor II	\$258
Supervisor I	\$240
Senior Professional II	\$224
Senior Professional I	\$208
Professional IV	\$184
Professional III	\$170
Professional II	\$153
Professional I	\$136
Associate III	\$117
Associate II	\$102
Associate I	\$95
Field Technician	\$82
Data Solutions Architect	\$175
Senior GIS Specialist	\$164
GIS/CADD Specialist II	\$146
GIS/CADD Specialist I	\$131
Technical Editor	\$130
Project Accountant	\$110
Billing Specialist	\$95
Publishing Specialist	\$105
Clerical	\$95

\* Professional classifications include environmental scientists, urban planners, biologists, geologists, marine scientists, GHG verifiers, sustainability experts, cultural resources experts, and other professionals. Expert witness services consisting of depositions or in-court testimony are charged at the hourly rate of \$375.

**Reimbursable Expenses**

Direct Cost	Rates
Photocopies – Black and White	\$0.20 (single-sided), \$0.40 (double-sided)
Photocopies – Color	\$1.50 (single-sided), \$3.00 (double-sided)
Photocopies – 11 x 17	\$0.50 (B&W), \$3.30 (color)
Oversized Maps	\$8.00/square foot
Digital Production	\$15/CD, \$20/flash drive
Light-Duty and Passenger Vehicles*	\$88/day
4WD and Off-road Vehicles*	\$140/day

\* \$0.65/mile for mileage over 50 and for all miles incurred in employee-owned vehicles.

**Other direct costs** associated with the execution of a project, that are not included in the hourly rates above, are billed at cost plus 15%. These may include, but are not limited to, laboratory and drilling services, subcontractor services, authorized travel expenses, permit charges and filing fees, mailings and postage, performance bonds, sample handling and shipment, rental equipment, and vehicles other than covered by the above charges.

**Annual Escalation.** Standard rates subject to 3.5% annual escalation.

**Payment Terms.** All fees will be billed to Client monthly and shall be due and payable upon receipt or as indicated in the contract provisions for the assignment. Invoices are delinquent if not paid within ten (10) days from receipt or per the contractually required payment terms.



Equipment	Day Rate
<b>Environmental Site Assessment</b>	
Soil Vapor Extraction Monitoring Equipment	\$155
Four Gas Monitor	\$133
Flame Ionization Detector	\$107
Photo Ionization Detector	\$80
Hand Auger Sampler	\$60
Water Level Indicator, DC Purge Pump	\$45
<b>Natural Resources Field Equipment</b>	
UAS Drone	\$268
Spotting or Fiberoptic Scope	\$165
Pettersson Bat Ultrasound Detector/Recording Equipment	\$165
Sound Level Metering Field Package (Anemometer, Tripod and Digital Camera)	\$110
GPS (Sub-meter Accuracy)	\$65
Infrared Sensor Digital Camera or Computer Field Equipment	\$55
Scent Station	\$22
Laser Rangefinder/Altitude	\$11
Pit-fall Traps, Spotlights, Anemometer, GPS Units, Sterilized Sample Jar	\$9
Mammal Trap, Large/Small	\$1.50/\$0.50
<b>Water and Marine Resources Equipment</b>	
Boat (26 ft. Radon or Similar)	\$600
Boat (20 ft. Boston Whaler or Similar)	\$335
Multi Parameter Sonde (Temp, Cond, Turbidity, DO, pH) with GPS	\$165
Water Quality Equipment (DO, pH, Turbidity, Refractometer, Temperature)	\$60
Refractometer (Salinity) or Turbidity Meter	\$37
Large Block Nets	\$110
Minnow Trap	\$95
Net, Hand/Large Seine	\$55
<b>Field Equipment Packages</b>	
Standard Field Package (Digital Camera, GPS, Thermometer, Binoculars, Tablet, Safety Equipment, and Botanic Collecting Equipment)	\$110
Remote Field Package (Digital Camera, GPS, Thermometer, Binoculars, Tablet and Mifi, Delorme Satellite Beacon, 24-Hour Safety Phone)	\$140
Amphibian/Vernal Pool Field Package (Digital Camera, GPS, Thermometer, Decon Chlorine, Waders, Float Tube, Hand Net, Field Microscope)	\$165
Fisheries Equipment Package (Waders, Wetsuits, Dip Nets, Seine Nets, Bubblers, Buckets)	\$55
Underwater and Marine Sampling Gear (U/W Photo/Video Camera, Scuba Equipment (Tanks, BCD, Regulators, Wetsuits, etc.))	\$55/diver
Marine Field Package (PFDs – Personal Flotation Devices, 100-foot Reel Tapes with Stainless Carabiners, Pelican Floats, Underwater Slates, Thermometer, Refractometer, Anemometer, Various Field Guides)	\$55
<b>Insurance, Hazard and Fees</b>	
Historic Research Fees	\$50
L&H Dive Insurance	\$55/diver
Level C Health and Safety	\$65/person

**Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Dr. Maryam Bral, Chief Engineer  
Linda Purpus, Environmental Services Manager  
Randall McInvale, Principal Environmental Scientist

**Date:** January 24, 2023 (February 8, 2023 meeting)

**Agenda Item:** 5.4 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Consulting Services Agreement with ICF  
Jones & Stokes, Inc. - \$124,721  
**Motion**

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**Staff Recommendation:**

The Board will consider approving a motion authorizing the General Manager to execute an amendment to the professional consulting services (PCS) agreement with ICF Jones & Stokes, Inc. (ICF) in the amount of \$124,721 to continue the development of the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP) and complete the submittal by the September 22, 2023, Court ordered permanent injunction and stipulation deadline.

**Background:**

United Water Conservation District (United) entered into the PCS agreement with ICF on April 9, 2019, securing the services of David Zippin, a recognized facilitator of Habitat Conservation Plans (HCP), as an advisor to United staff and management regarding strategy for the MSHCP, including but not limited to attending and assisting with agency meetings, and updating Chapter 10 (Alternatives to Take) of the MSHCP. Since that time, the contract has been amended on five occasions to address out of scope items requested of ICF including completing a review of critical components of Chapter 7 (Effects Analysis) and updating Chapter 9 (Funding) of the MSHCP, attending and facilitating agency meetings, and participating in internal coordination related to the development of the MSHCP.

This proposed sixth amendment will provide for continuity of services and allow for ICF to provide additional services necessary to update the MSHCP for the September 2023 submittal. Specifically, the amendment will cover MSHCP chapter updates, technical review, internal MSHCP team, and regulatory agency meetings through December 31, 2023.

**Agenda Item: 5.4 Freeman Diversion Multiple Species Habitat Conservation Plan –  
Amendment to Professional Services Agreement with ICF Jones &  
Stokes, Inc. - \$124,721  
Motion**

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**Discussion:**

Following submittal of the fourth draft MSHCP in June 2020, United has continued to develop the fish passage facility alternatives through physical modeling and associated design updates. In accordance with the December 2018 permanent injunction and October 2021 stipulation, the MSHCP and regulatory applications must be submitted by September 22, 2023. As part of the MSHCP team, ICF has provided key support to United in the development of previous drafts of the MSHCP and supporting technical studies since 2019. ICF's team are experts in the HCP consultation process and have gained invaluable experience with the operation of the Freeman Diversion, the fish passage alternative design concepts, the regulatory permitting requirements and the dynamic environmental processes associated with the Santa Clara River that is vital to the completion of the updates to the MSHCP and regulatory applications. The proposed amendment would increase the contract by \$124,721 and result in a total revised not-to-exceed amount of \$409,056.

A copy of the Amendment to the PCS agreement detailing ICF's complete proposal, including the scope of work and deliverables and proposed fee is included in Attachment A.

**Fiscal Impact:**

Sufficient funds in the amount of \$74,900 are available to carry the work through FY 2022-23. Funding for the services to be conducted under the proposed amendment is included in the Fiscal Year (FY) 2022-23 Budget under the Capital Improvement Project 421-400-81080; 8001-825 and Freeman Fund under 420-600-52220; 1020-300 (a budget transfer from the 420 fund to the 421 fund will be proposed to the Finance and Audit Committee in March 2023). The remaining \$49,821 will be included in the FY 2023-24 budget.

**Attachment:**

Attachment A – Sixth Amendment Agreement for Professional Consulting Services

**SIXTH AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

This Amendment to the Agreement for Professional Consulting Services is entered into as of \_\_\_\_\_, 2023, by and between **United Water Conservation District (UNITED)**, a public entity, and **ICF Jones & Stokes, Inc. (CONSULTANT)** with reference to the following terms and conditions:

WITNESSETH

WHEREAS, on April 9, 2019, UNITED and CONSULTANT entered into a Professional Consulting Services AGREEMENT for the purpose of providing strategic support to the “Freeman Diversion Multiple Species Habitat Conservation Plan”, and entered into a FIRST AMENDMENT on September 10, 2019, a SECOND AMENDMENT on May 27, 2020, a THIRD AMENDMENT on December 8, 2020, a FOURTH AMENDMENT on September 16, 2021; and a FIFTH AMENDMENT on June 16, 2022; and;

WHEREAS, UNITED and CONSULTANT have discussed and agreed to amend certain terms and conditions of the AGREEMENT, the FIRST AMENDMENT, the SECOND AMENDMENT, the THIRD AMENDMENT, the FOURTH AMENDMENT, and the FIFTH AMENDMENT involving scope of work and compensation as specified in this SIXTH AMENDMENT.

NOW, THEREFORE, based on the covenants and considerations set forth, UNITED and CONSULTANT mutually agree as follows:

1. The not-to-exceed total charge described in the AGREEMENT and all prior AMENDMENTS is hereby increased by \$124,721. This amendment results in a total revised not-to-exceed amount of: \$409,056 as total payment inclusive of all services.
2. The Scope of Work and Fee Schedule included as Exhibit C of the AGREEMENT and Attachment A and Attachment C of the FIRST AMENDMENT, Attachment A of the SECOND AMENDMENT, and Attachment A of the FIFTH AMENDMENT is hereby amended to include the Scope of Work included as Attachment A of this SIXTH AMENDMENT.
3. The term of the AGREEMENT and all prior AMENDMENTS will expire on December 31, 2023.
4. Each and all other provisions of said AGREEMENT and FIRST AMENDMENT, SECOND AMENDMENT, THIRD AMENDMENT, FOURTH AMENDMENT, and FIFTH AMENDMENT remain in full force and effect and apply to all services and payments made under this SIXTH AMENDMENT.

UNITED WATER CONSERVATION DISTRICT

By \_\_\_\_\_  
Mauricio E. Guardado, Jr., General Manager

ICF Jones & Stokes, Inc.

By \_\_\_\_\_  
Trina L. Fisher, Contracts Administrator

**ATTACHMENT “A”  
SIXTH AMENDMENT TO  
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

**Revised Scope of Work and Fee Schedule**





January 13, 2023

Randall McInvale  
Assistant Ecologist  
United Water Conservation District  
1701 Lombard Street  
Oxnard, CA 93030

Re: Contract Amendment to Update Freeman Diversion MSHCP Chapters for Hardened Ramp and Vertical Slot Two-Path Approach

Dear Randall,

ICF Jones & Stokes, Inc. (hereinafter referred to as "ICF") is pleased to submit this proposal to the United Water Conservation District ("United") for the Freeman Diversion Multiple Species Habitat Conservation Plan (MSHCP). This proposal is based on the tasks outlined in your December 2, 2022 email and subsequent conversations with you and the consultant team (Rincon and Stillwater). As we understand it, United is seeking support in pursuing a "two-path" MSHCP approach to allow for an equal level of analysis of the two fish passage facility design alternatives (a Hardened Ramp and a Vertical Slot) currently in development. United does not intend to submit two separate HCPs, rather United anticipates that the "two-path" approach will facilitate the efficient completion and submittal of an MSHCP for the preferred fish passage alternative (to be selected by May 10, 2023) by the court ordered deadline of September 22, 2023. ICF and our subcontractor Mcubed have been responsible for the preparation of the Alternatives chapter and the Funding chapter. This amendment includes: (1) development of the Alternatives and Funding chapters for the Hardened Ramp HCP to an equivalent level to the Vertical Slot (to the extent possible based on the May 2023 fish passage selection deadline); and (2) support both chapters in advancing one iteration of the HCP (Hardened Ramp or Vertical Slot) to final draft stage in support of document submittal by the September 2023 deadline. In addition, (3) ICF will provide an overall document review (all chapters) for regulatory sufficiency, (4) provide agency meeting facilitation, and (5) participate in internal coordination meetings with the larger consultant HCP team. The scope of work for these tasks and associated costs are provided in the following sections of this contract amendment proposal.

If you have any questions about our proposed scope or need additional information, please contact our project manager, Dr. Scott Fleury, at (858) 444-3917 or [scott.fleury@icf.com](mailto:scott.fleury@icf.com). ICF is eager to assist United in the completion of this project.

Sincerely,

A handwritten signature in cursive script that reads "Stacey Irwin".

Stacey Irwin, Contracts Administrator



## PROPOSED SCOPE OF WORK AND COST ESTIMATE

This scope of work includes the following tasks: To revise and prepare two concurrent versions of the Alternatives and Funding chapters for the two-path approach, bring the chapters supporting the selected alternative to final draft stage, conduct a review of the completed draft HCP document to ensure its regulatory sufficiency, provide support to United Water during meetings with the resource agencies, and participate in coordination meetings with United Water's consultant team while revising the current draft HCP document.

### Task 1. Develop Alternatives and Funding chapters for the two-path approach (Hardened Ramp and Vertical Slot).

ICF and MCubed would revise the existing language of the draft HCP chapters 10 and 11 to reflect the Hardened Ramp as the proposed alternative, while also updating relevant language regarding engineering and design features of both alternatives that may have changed in recent months within each of the "two-path" chapters. Additional conservation/ effectiveness monitoring measures needed to comply with state law (e.g., CESA/ FGC 5901, 5937) may also be reviewed and added to existing language within the two documents.

#### *Assumptions*

- One administrative review draft and one final draft of each version of each chapter will be provided to United and the other members of the HCP consulting team for review.

### Task 2. Support the Alternatives and Funding chapters in advancing one version of each chapter to final draft HCP.

ICF and MCubed would respond to Resource Agency comments and feedback following their review of the draft HCP document, implement revisions to the satisfaction of United Water and the agencies, and produce a final draft of the Alternatives and Funding chapters to be incorporated into the final draft HCP document. This task would include internal coordination meetings that would be held at United Water's convenience to facilitate collaborative work by the consultant team to produce a final draft HCP document.

#### *Assumptions*

- One administrative review draft of the selected version of each chapter will be provided to United and the other members of the HCP consulting team for review.
- One final draft will be provided to Rincon to include in the complete HCP document.



- Final technical editing and formatting will be conducted by Rincon as a part of the assembly and submittal of the full HCP document to United.

### Task 3. Conduct a review of the entire final draft HCP document for regulatory sufficiency.

Following preparation of the final draft HCP document, ICF would conduct a review and provide feedback and/or implement edits to the final draft document to ensure its regulatory sufficiency. This review will occur prior to final HCP technical editing and formatting, but after the primary technical writing has been completed.

#### *Assumptions*

- Rincon will provide ICF a complete draft of the HCP once all technical analysis and technical writing revisions are complete along with all figures, tables, and appendices to allow for a complete and comprehensive review.
- ICF will prepare a high-level summary of the HCP review highlighting any major issues or recommendations.
- ICF will provide specific comments in the HCP document with comment bubbles and tracked change edits as appropriate.

### Task 4. Provide agency meeting facilitation.

ICF staff will support and facilitate meetings with the Resource Agencies as needed to support United Water and Resource Agencies review of the engineering and design features, selection of the preferred alternative, and agency review of the final draft HCP.

#### *Assumptions*

- Six virtual, 2-hour meetings with Resource Agency staff, United, and the HCP consulting team.
- Two in-person, 5-hour meetings in the L.A. or Ventura areas with Resource Agency staff, United, and the HCP consulting team.
- All meetings assume attendance of two ICF team members with technical expertise relevant to the agenda, and expertise to support meeting facilitation.
- All meetings assume time for preparation (such as helping prepare and reviewing agendas), meeting participation, and follow up (such as reviewing meeting notes and providing feedback on meeting notes, action items, or recommended strategy adjustment outside the regular internal meetings).



## Task 5. Participate in internal coordination with HCP team.

During development of the Alternatives and Funding chapters as well as review and submission of the final draft document for Agency review, ICF will participate in weekly or bi-weekly coordination meetings with United Water and the HCP consultant team.

### *Assumptions*

- Biweekly virtual internal meetings with United, HCP consulting team, and/or United's legal team of one hour from February – May (9 meetings).
- Weekly virtual internal meetings with United, HCP consulting team, and/or United's legal team of one hour from June–September (17 meetings).

## Schedule

May 2023 Draft Ch. 10 and Ch. 11 for Hardened Ramp are due  
September 2023 final draft of HCP document is due.

## Cost

Based on our understanding of the project and the proposed scope of work above, we estimate this work will cost \$124,721 which includes all direct expenses. Table 1 on the next page describes the costs associated with each task. These billing rates apply during 2023; billing rates may increase on January 1, 2024, due to inflation. ICF will invoice monthly on a time and materials basis. Invoices are due 30 days from time of receipt.

Table 1. United Water HCP Amendment

Employee Name   Labor Classification   Task	Consulting Staff				ICF Production Staff			Labor Total	Direct Costs	Total Price
	Zippin	Fleury	Warburton		Cherry	Mountain-Castro				
	David	Scott	Manna		Kenneth	Jenelle				
	Sr Proj Dir	Proj Dir	Sr Consult II		Sr Consult I	Sr Consult I				
				Subtotal			Subtotal			
Task 1. Develop Alternatives and Funding chapters for the Hardened R	8.0	32.0	60.0	\$22,080	16.00	8.00	\$4,080	\$26,160		\$26,787.84
Task 2. Support the Alternatives and Funding chapters	8.0	12.0	20.0	\$9,280	16.00	8.00	\$4,080	\$13,360		\$13,680.64
Task 3. Conduct a review of the entire draft HCP	8.0	24.0	12.0	\$10,560			\$0	\$10,560		\$10,813.44
Task 4. Provide agency meeting facilitation				\$0			\$0	\$0		\$0.00
6 two hr virtual mtgs	12.0	12.0	12.0	\$8,880			\$0	\$8,880		\$9,093.12
2 five hr in person mtgs	20.0	20.0	10.0	\$12,800			\$0	\$12,800		\$13,107.20
Prep and follow up time	2.0	4.0	4.0	\$2,360			\$0	\$2,360		\$2,416.64
Task 5. Consultant Team Coordination Meetings	8.0	26.0	26.0	\$13,840			\$0	\$13,840		\$14,172.16
Total hours 388.0	66.0	130.0	144.0		32.0	16.0				
Billing Rates, year 2022	\$300.00	\$240.00	\$200.00		\$170.00	\$170.00				
Subtotal	\$19,800.00	\$31,200.00	\$28,800.00	\$79,800.00	\$5,440.00	\$2,720.00	\$8,160.00	\$87,960.00		
Total escalation, Period 2 of 3% Year 2023	\$475.20	\$748.80	\$691.20	\$1,915.20	\$130.56	\$65.28	\$195.84	\$2,111.04		
Subtotal (including escalation)	\$20,275.20	\$31,948.80	\$29,491.20	\$81,715.20	\$5,570.56	\$2,785.28	\$8,355.84	\$90,071.04		
<a href="#">Other Direct Costs</a>										
500.00 Subcontractor									\$30,000.00	
521.00 Meals \$100, and Lodging \$250									\$700.00	
522.00 Airfares LAX or BUR from OAK \$300									\$600.00	
523.05 Travel, Auto \$100									\$200.00	
Mark-up on Direct Expenses : 10%									\$3,150.00	
Direct expense subtotal									\$34,650.00	
Total price										\$124,721.04



### **Staff Report**

**To:** UWCD Board of Directors

**Through:** Mauricio E. Guardado, Jr., General Manager

**From:** Clayton Strahan, Chief Park Ranger

**Date:** January 18, 2023 (February 8, 2023, Meeting)

**Agenda Item:** 5.5 Authorize an Amendment to the Licensing Agreement between United Water Conservation District (District) and Tommy's Boats LLC for Marina and Boat Rental Services at the Lake Piru Recreation Area  
**Motion**

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#### **Staff Recommendation:**

The Board will consider approving the attached licensing agreement amendment between the District and Tommy's Boats, LLC and authorize the General Manager to execute the agreement on behalf of the Board of Directors.

#### **Background:**

In August 2020, staff prepared and published a request for bid to run the boat rental and marina operation. After an exhaustive selection process, Tommy's Marine was selected by staff as the most qualified bid. On January 12, 2022, the Board approved a licensing agreement between the District and Tommy's Boat LLC. The approved agreement was for a term of one year, which was set to expire in March of 2023. The agreement has a clause which as for mutually agreed upon extension with maximum term of five years.

Since November 2022, staff, legal counsel, and Tommy's Boat's staff have been working together to develop a mutually agreed upon amendment to the existing operating agreement that would be mutually beneficial to both parties. Attached herein as Attachment A, is the proposed amendment to the license agreement which includes the following changes:

- Extending the term of the agreement to maximum of five years ending March 31, 2028.
- Transition from a flat 10% rate monthly to a per rental fee.
  - \$55 per rental when maintaining a fleet of 9 vessels for less and \$45 when maintaining a fleet of 10 or more
- Change the financial reporting requirements to allow payments to be due the last day of the following calendar month in question rather than on the 20th of the following calendar month.
- Increase workers compensation from \$100,000 per occurrence to \$1,000,000 per occurrence

**5.5 Authorize an Amendment to the Licensing Agreement between United Water Conservation District (District) and Tommy's Boats LLC. For Marina and Boat Rental Services at the Lake Piru Recreation Area**  
**Motion**

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**Fiscal Impact:**

The anticipated fiscal impact is a positive impact to the district with anticipated revenue of \$15,000 or more for a term of five years.

**Attachment:**

Attachment A – License Agreement



**AMENDMENT NO. 1 TO THE LICENSE AGREEMENT  
BETWEEN UNITED WATER CONSERVATION DISTRICT AND  
TOMMY'S BOATS, LLC FOR THE USE OF FACILITIES FOR OPERATING  
AND PROVIDING BOAT RENTAL SERVICES**

This Amendment No. 1 ("Amendment") made and entered into this 1<sup>st</sup> day of February 2023 ("Effective Date") is made part of and modifies the License Agreement for the Use of Facilities for Operating and Providing Boat Rental Services (hereinafter referred to as the "Original Agreement") between the United Water Conservation District ("District") and Tommy's Boats, LLC ("Tommy's"). The District and Tommy's are collectively referred to as "the Parties."

**RECITALS**

**WHEREAS**, on or about March 1, 2022, the Parties entered into the Original Agreement;

**WHEREAS**, the Parties have agreed to amend a few provisions of the Original Agreement keeping the same terms and conditions set forth in the Original Agreement, except as explicitly stated in this Amendment;

**WHEREAS**, where any Section or portion of the Original Agreement is amended or superseded by this Amendment, the balance of that Section not specifically amended or superseded shall remain in effect as originally written. Where any Section or portion thereof is supplemented, that supplement shall be considered added thereto, and the original provisions of the Section shall remain in effect as originally written. Where any Paragraph or Section is referenced, such Paragraph or Section is superseded and replaced by the language herein. Terms not defined otherwise herein shall have the meaning ascribed to them in the Original Agreement. To the extent of any conflict or inconsistency between this Amendment and the terms and conditions of the Original Agreement, this Amendment will prevail. This Amendment, taken together with the Original Agreement, represents a new agreement and understanding between the Parties, hereinafter referenced as the "Agreement";

**WHEREAS**, the Parties agree that the Recitals set forth hereinabove are expressly incorporated into the Agreement and correctly set forth the nature of the Agreement as modified by this Amendment.

**NOW, THEREFORE**, the Parties agree that the terms and provisions of the Agreement are hereby amended as set forth herein below:

1. Section 2 of the Agreement is hereby revised and replaced with the following:

Section 2. Monthly Fee/Commission. On a monthly basis, Tommy's shall pay the District a monthly fee ("Monthly Fee"), which shall be calculated as follows: When maintaining a fleet of nine (9) or less boats Tommy's shall pay the District \$55 per each individual rental boat order. In the event Tommy's maintains a fleet of ten (10) or more boats, Tommy's shall pay the District \$45 per each individual boat rental order. Tommy's

must make payment of the Monthly Fee and provide a financial/business report for each corresponding monthly reporting period by 5:00 p.m. on the last day of the following calendar month (i.e., payment of the Monthly Fee and issuance of the corresponding financial/business report for the month of April must be paid and provided to the District by 5:00 p.m. on May 31<sup>st</sup>), beginning the Effective Date and ending April 30, 2028. The Monthly Fee specified herein supersedes any and all language in the section entitled “Revenue Share” in Exhibit B to the Agreement. The Parties acknowledge and agree that the Monthly Fee is not a rental or lease payment for the License Area. Late payments shall be subject to a four percent (4%) late fee.

2. Section 3 of the Agreement is hereby revised and replaced with the following:

Section 3. Term. The Agreement shall commence on the Effective Date and shall conclude at the expiration of this Agreement on March 31, 2028 (“Term”). The Parties may extend this Agreement by mutual written agreement for an additional term of up to five (5) years. Any extension of term may be subject to a change of monthly fee as described in Section 2. This Agreement may be terminated immediately by either party: (1) if Tommy’s is in material breach of the Agreement, (2) if District determines there are unsafe and/or dangerous conditions, threats to life or property, or (3) without cause upon ninety (90) days written notice.

3. Section 4 (h)(ii) of the Agreement is hereby revised and replaced with the following:

(ii) Worker’s Compensation. Tommy’s shall also maintain, in full force and effect throughout the term of this Agreement, Workers’ Compensation insurance in accordance with the laws of California, and employers’ liability insurance with a limit of not less than \$1,000,000 per occurrence.

4. Section 4 (h)(iv) of the Agreement is hereby revised and replaced with the following:

(iv) Notice; Additional Named Insureds. All insurance required under this Agreement shall be issued as a primary policy and contain an endorsement requiring thirty (30) days written notice from the insurance company to both parties hereto before cancellation or change in coverage, scope or amount of any policy. District, its directors, officers, agents, employees and consultants, shall be designated as additional named insureds. District may, at its reasonable discretion, require additional coverage or additional limits and Tommy’s shall be responsible for providing, maintaining, and/or complying with such additional insurance coverage and/or limits requirements. Failure to provide the requisite insurance requirements and/or coverage limits shall be grounds for termination of this Agreement.

4. This Amendment, along with the Original Agreement to the extent it has not been altered or removed pursuant to this Amendment, incorporates all of the terms and conditions mentioned herein, or incidental hereto, and supersedes all negotiations and previous agreements between the

Parties with respect to all or part of the subject matter thereof and therefore, constitutes the complete and final Agreement.

**IN WITNESS WHEREOF** the Parties hereto have executed this Amendment as of the Effective Date.

**UNITED WATER CONSERVATION DISTRICT**

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

**TOMMY'S BOATS, LLC**

By: katie Hicks

Print Name:  \_\_\_\_\_  
DocuSigned by:  
Katie Hicks  
FF11B8E7FD09408...

Title: waterfront Director



# State and federal agencies want fish ladder restored on Merced River

FEBRUARY 1, 2023

• by Lois Henry



The fish ladder on the Crocker-Huffman Dam on the Merced River taken from a canoe in 2011. Courtesy of Paul Martzen

Two powerful state and federal agencies have stuck their toes, so to speak, into an ongoing lawsuit against Merced Irrigation District demanding the district reopen a long defunct fish ladder.

The California Department of Fish and Wildlife and National Marine Fisheries Service both sent letters to Merced Irrigation District after Water Audit California sued the district over the fish ladder on the Crocker-Huffman Dam, about 30 miles northeast of the City of Merced.



It wasn't the first time the agencies had sought to have Merced Irrigation District get the fish ladder running again. They had both sent letters in [2009](#) and [2010](#), directing the district to reopen the fish ladder, which had been closed since the 1970s to see if a "spawning channel" next to the dam would work better for the salmon, steelhead and other fish.

The spawning channel didn't work so Fish and Wildlife asked in 2009 that the fish ladder be reopened. The National Marine Fisheries Service directed Merced Irrigation District to reopen the ladder in 2010.

It never happened.

After Water Audit [filed its lawsuit last September](#), both agencies again [sent letters](#) to Merced Irrigation District reiterating their desire to see the fish ladder reopened and offered to meet with the district and provide technical assistance to help get it going again.

The irrigation district [responded](#) to the state Fish and Wildlife department that it had met with staff in 2011 and was left with the impression that staffers would get back to the district at some point in the future.

The district also notes that it is in ongoing discussions about fish passage as part of relicensing proceedings with the Federal Energy Regulatory Commission. Those proceedings don't include the Crocker-Huffman Dam, according to the Water Audit lawsuit.

The district's response prompted another letter from Fish and Wildlife on [Jan. 27](#) that states: "If MID does not agree to meet, CDFW will conclude the MID is unwilling to take any steps to restore or otherwise provide fish passage at Crocker-Huffman Dam voluntarily."

The department's language could be significant.

In a [recently filed amended complaint](#), Water Audit names both the Department of Fish and Wildlife and National Marine Fisheries Service as "parties of interest" to the lawsuit. That would allow the agencies to intervene as plaintiffs or write their own "amicus," or "friend of the court" briefs, which could add greater heft to Water Audit's suit.

Though the most recent Fish and Wildlife letter doesn't mention Fish and Game Code 5937, its 2009 letter does. That code requires "The owner of any dam shall allow sufficient water at all times to pass through a fish way...to keep in good condition any fish that may be planted or exist below the dam" and was a central part of the historic 1988 lawsuit that helped restore the San Joaquin River.

For its part, the Merced Irrigation District "absolutely disputes the factual and legal allegations being made," in the Water Audit lawsuit, according to an email from a district spokesman. He noted the district has participated longstanding [efforts to restore salmon habitat](#) on the Merced River after damage from state-sanctioned dredge mining.

The district's website details how the district restored a half-mile long section of the Merced River. That restoration project is just downstream from the Crocker-Huffman dam and a state Fish and Wildlife hatchery, which is on land owned by the district.



This lawsuit joins a long history of fights over fish obstructions on the Merced River going back more than a century.



A concrete fish ladder can be seen at the far end of the Crocker-Huffman Dam. Courtesy Paul Martzen

According to a [collection of articles](#) from the “Mariposa Gazette” compiled by historian Tom Bopp, concerns about dams blocking fish began as far back as 1857.

“The Indians upon the South Fork, and upper parts of the main Merced river, are much dissatisfied at the failure of their Salmon fishing, which is caused by one or two dams upon the lower part of the river,” an article from Nov. 11, 1857 states.

Later, the Gazette covered a grand jury report decrying the lack of fish ladders at two dams, possibly near where the Crocker-Huffman and Merced Falls dams are now located, and states “The law requires that ladders shall be built, in order that the salmon may pass up the river, as at



certain seasons of the year it is their inclination to do,” according to the November 24, 1877 article.

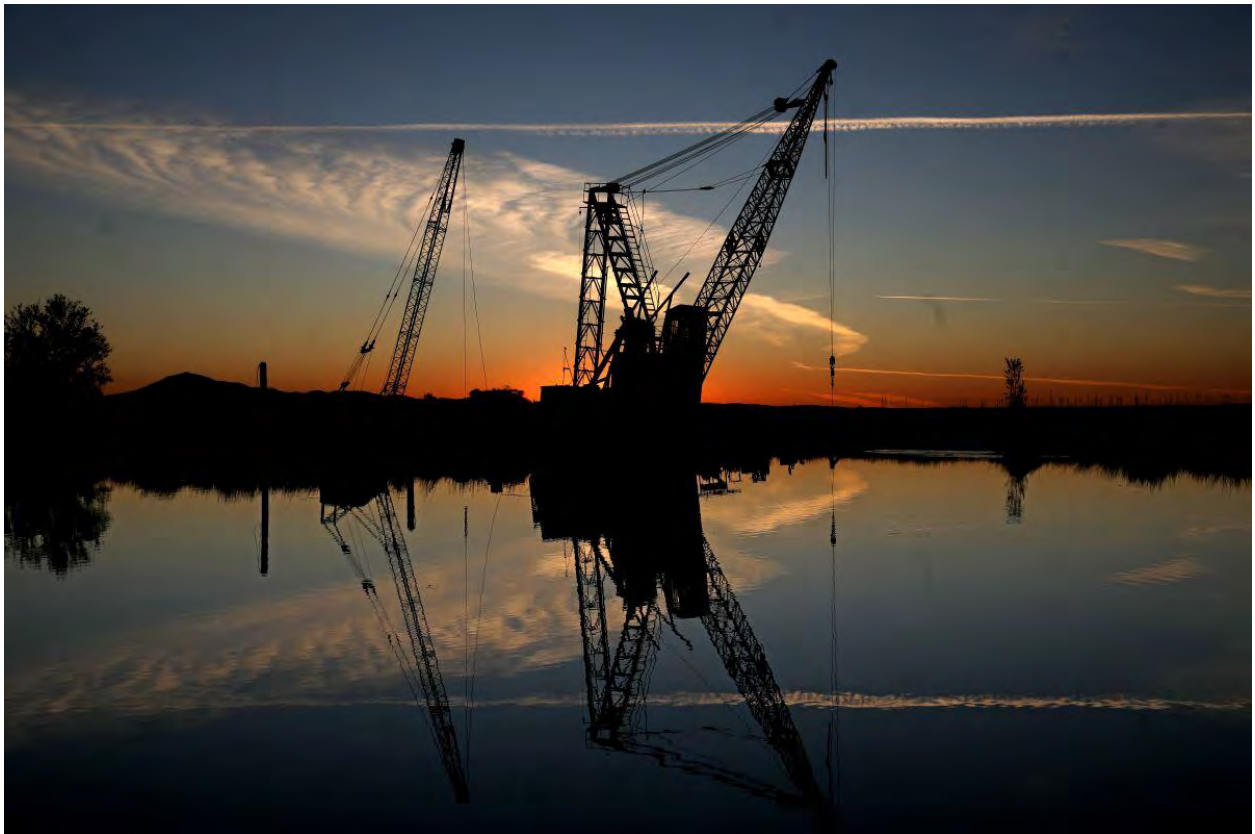
In 1879, the paper wrote that the District Attorney forced dam owners to build fish ladders and by the next year, salmon were clearly using them to swim upstream.

An August 8, 1880 article boasted the headline “Lookout for Salmon!!!”

# Los Angeles Times

[CALIFORNIA](#)

## Environmental rules stoke anger as California lets precious stormwater wash out to sea



Dredging cranes rise over a section of the Sacramento-San Joaquin River Delta, in Isleton.

(Gary Coronado / Los Angeles Times)

BY [HAYLEY SMITH](#) STAFF WRITER

JAN. 20, 2023 4 AM PT

Environmental rules designed to protect imperiled fish in the Sacramento-San Joaquin River Delta have ignited anger among a group of bipartisan lawmakers, who say too much of California's stormwater is being washed out to sea instead of being pumped to reservoirs and aqueducts.

In a series of strongly worded letters, nearly a dozen legislators — many from drought-starved agriculture regions of the Central Valley — have implored state and federal officials to relax environmental pumping restrictions that are limiting the amount of water captured from the delta.

“When Mother Nature blesses us with rain, we need to save the water, instead of dumping it into the ocean,” Assemblymember Vince Fong (R-Bakersfield) wrote in a letter to Gov. Gavin Newsom.

Since the beginning of January, a series of atmospheric rivers has disgorged trillions of gallons of much-needed moisture across drought-stricken California, but only a small fraction of that water has so far made it into storage. In the delta — the heart of the state’s vast water system — nearly 95% of incoming water has flowed into the Pacific Ocean, according to data from the U.S. Bureau of Reclamation.



The calls by lawmakers have reignited a long-simmering debate over where — and to whom — the state’s precious water supplies should go.

“With so much excess water in the system, there is no reason that exports south of the Delta cannot be increased,” [read another letter](#) that State Sen. Melissa Hurtado (D-Sanger) and Assemblymember Jasmeet Bains (D-Bakersfield) addressed to Newsom.

But experts say it’s not that simple.

While the delta provides drinking water for about 27 million Californians and supports the state’s massive agricultural industry, it is also a delicate ecosystem that is home to threatened and endangered species — many of which have been suffering amid warming waters, increasing salinity, dangerously low flows and other ecological stressors. The tiny delta smelt are [dangerously close to extinction](#).

State and federal water managers said they have been complying with environmental regulations designed to protect those species, including a so-called “first flush” protocol that mandates two weeks of reduced pumping at the onset of the first big winter storms.

The flush provides the fish with enough time and water to move away from the powerful pumps, which have been known to chew them up.

“There are reasons that there are restrictions on pumping, and each of them is founded in some way, shape or form on trying to conserve habitat for listed species,” said Jeffrey Mount, a senior fellow at the Public Policy Institute of California.

Mount said it would be a mistake to ignore the environmental benefits of the water. The smelt are akin to a “canary in the coal mine” for the entire health of the delta, he said, and the first flush is biologically very important for the dynamics of the estuary.

“If we take actions which are helpful to smelt, we’ll help an array of other native fishes and the native ecosystem,” he said.

The first flush protocol stems from biological opinions issued by the Trump administration in 2019 and from incidental take permits issued by the Newsom administration in 2020. Some lawmakers on both sides of the aisle, however, are calling for the rules to be revised.

From Jan. 3-16, pumping rates in the delta were reduced to nearly half of their capacity in accordance with the protocol, resulting in a loss of about 84,000 acre-feet of exports from the area, according to estimates from the [Public Policy Institute](#). That's enough water to irrigate 25,000 acres of farmland for a year or supply 150,000 homes.

“Government regulations should not and must not deny our constituents critical water from these storms,” U.S. Rep. David Valadao (R-Hanford) and [five other Republican lawmakers](#) wrote in a letter to Newsom and President Biden last week. “We have a moral obligation to provide Californians any relief that is within our control.”

But the environment also suffers when delta water is diverted for agricultural and urban use, said Felicia Marcus, a fellow at Stanford University's Water in the West Program.

“It's always the fish that get shorted, and we destroyed the ecosystem as a result,” she said. “There are dry years where we're diverting 80% to 90% of the flow during critical times of year. Well, no ecosystem survives with that kind of diversion, so we have to manage the system differently and share more of it with nature.”

She and Mount said that even with the two-week protocol, the state will still have time to capture more water. Patterns from previous wet years, including 2011, 2017 and 2019, indicate that the delta will continue to flow at high rates for at least the next few weeks. That means more time to fill the San Luis Reservoir, the delta's key water reserve.

The reservoir, which is currently at 48% capacity, will also be filled by the state's melting snowpack, which was at 245% of normal for the date on Thursday.

“Right now we've got a bonanza of snow, and it's looking pretty good at this particular time of year, so the idea of shorting these poor fish and the ecosystem in a time of somewhat plenty isn't very compelling,” Marcus said.

Still, there's no denying that stormwater capture remains a point of frustration in California — especially as millions of residents are being asked to cut back and [conserve more water than ever](#).

“We must make the most of the heavy precipitation we are receiving and use it to our advantage,” Rep. Jim Costa (D-Fresno) wrote in a letter to state and federal officials. He called for increased flexibility on the first flush rule.

Such flexibility would have made a difference during the recent storms, according to Jennifer Pierre, general manager of State Water Contractors, a nonprofit association of public water agencies.

Rather than tying the first flush protocol to a two-week calendar, it should be driven by real-time measurements and hydrology, she said.

“There was no off-ramp or monitoring or flexibility in either of the permits to allow us to make that call,” she said. “There’s a big lesson learned here.”

But it’s also important to be strategic about how quickly reservoirs are being filled, said Mark Gold, an adjunct professor at UCLA’s Institute of the Environment and Sustainability. Gold said it would be worrisome if the San Luis Reservoir were 100% full so early in the wet season.

“Hopefully the memory of what happened at Oroville is not lost on people’s minds,” he said, referencing the 2017 crisis in which high water levels [nearly overtopped the massive Oroville Dam](#). “That really demonstrated how important reservoir management, volume management, really is. ... It’s not quite as simple as looking at percentages and flows.”

And while reservoir storage is important, it would behoove officials to devote more focus to groundwater recharge, or the replenishment of the state’s overdrafted aquifers, he said. Even operating at full capacity, the pumps would not have been able to capture anywhere near the amount of water that ultimately made its way to the San Francisco Bay.

“Really, maximizing replenishment in the Central Valley should be one of the highest priorities in the state of California,” Gold said.

State officials acknowledge there are flaws in the system. In a [written response to lawmakers’ concerns](#), Department of Water Resources director Karla Nemeth said current infrastructure to move water through the delta is “outdated, vulnerable to



climate change and earthquakes, and limits the export of water during these long, sustained winter storm events.”

She said it’s an argument for a [proposed \\$16-billion tunnel](#) that would allow more water to be moved into state and federal aqueducts during storm events, while also protecting fish from pumps. Versions of the controversial Delta Conveyance Project have been around for decades, but the state is advancing its progress, Nemeth said.

Had it been operating during the recent storms, the tunnel would have moved about 188,000 more acre-feet of water into the San Luis Reservoir from the delta, or enough to supply nearly 2 million people for a year, according to the department.

Marcus, who formerly served as chair of the State Water Resources Control Board, said she could understand some of the frustration around the loss of water during the recent storms, but managing the state’s spigots will always require a delicate balance.

“Your job is trying to maximize all of these uses as best you can, not pick total winners and losers,” she said. “Everybody sees every drop they didn’t get as a drop that was wrongfully given to somebody else ... so that’s just part of the challenge.”



# POLITICO

CALIFORNIA

## Storms force California to look harder at capturing rainfall to ease drought

The state's farms and cities need more water despite recent rain and snow.



Water floods part of a road near the closed Highway 101 in Montecito, Calif., Jan. 10, 2023. | Ringo H.W. Chiu/AP Photo

By **CAMILLE VON KAENEL**  
01/16/2023 07:00 AM EST

SACRAMENTO, Calif. — **After the driest three years in the state's modern history,** California suddenly has a different problem on its hands: too much water.

An ongoing series of storms drenching the state has forced officials to take measures unfathomable just a month ago, like releasing excess water from reservoirs and pumping surging river flows into storage.

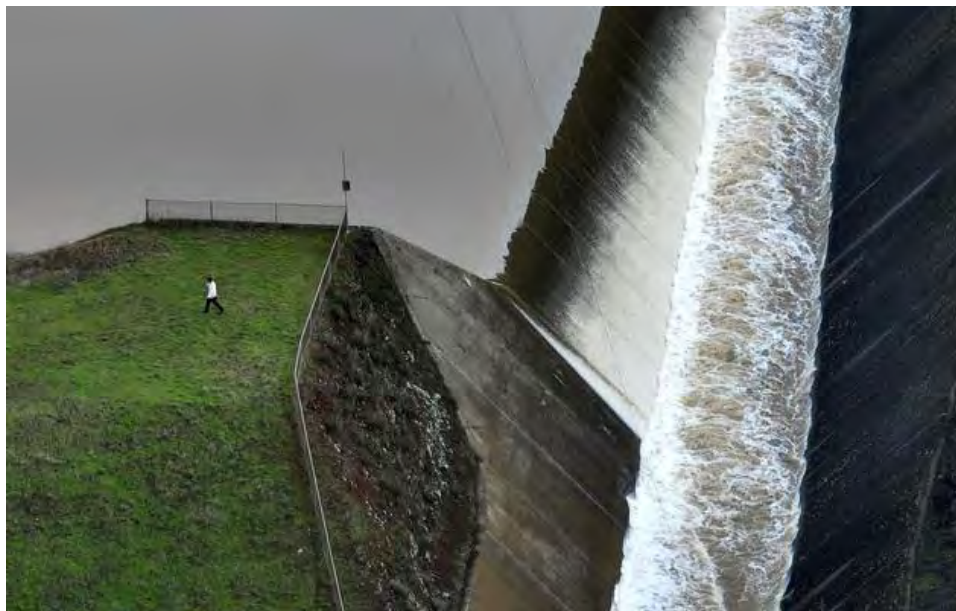
**It's also renewing interest in how to better capture** rainfall for dry times — an idea long popular in agricultural areas, particularly among Republicans, and now increasingly embraced by Gov. Gavin Newsom and other Democrats.

**“As you can see outside with some of the floods, it's not that we don't have water, it's what are we doing with it when we get it,”** Assemblymember Devon Mathis (R-Visalia) said in an interview.

To many, the storms highlight the need for changes to the vast system to capture rain and snow in the wetter northern part of the state and transfer it to the farms of the Central Valley and the cities of Southern California. Much of the recent runoff has ended in the sea, even as forecasters warn that the drought is not yet over.

The weather whiplash is not new to California, but climate change is expected to super-charge these extremes.

The state already has plans to start construction on a [new reservoir near Sacramento](#) next year, and to increase pumping in the Sacramento-San Joaquin region through the Delta Conveyance project.



A man walks by the spillway at Nicasio Reservoir on Jan. 12, 2023, in Nicasio, Calif. | Justin Sullivan/Getty Images

Mathis and others see this moment as an opening to boost water storage — but they will have to overcome a big price tag, the lack of obvious solutions like big dams, and **entrenched polarization around the West's most precious resource. The Republican**

lawmaker is proposing a law requiring more storage capacity for water, a goal endorsed by Newsom.

Newsom also called for speeding up permitting for new water storage and flood reduction projects, a measure Mathis is now leading in the Assembly. A Democrat is leading a similar measure in the Senate. The proposals risk further conflict over efforts to protect habitat for salmon and other species.

Democratic state lawmakers from farming regions hit hardest by drought also jumped on the opportunity last week to urge officials to divert and store more water rushing through the Delta region to the ocean before the storms end. But laws protecting an endangered species of fish limit the pumping.

**The pumps, aqueducts and reservoirs California relies on are “outdated and vulnerable to climate change”** and limit the amount of water that can be stored during winter storms, acknowledged the director of the Department of Water Resources, Karla Nemeth.

The limits of large-scale projects have prompted officials to look for alternative ways to boost water supply, like funding more floodplain restoration and allowing certain water managers to more easily divert rivers and rain into underground basins. Los Angeles County is working to build hundreds of small wells and cisterns to grab as much river water as possible.

Two reservoirs have already started using real-time forecasts to take better advantage of **California’s winter storms. A Democrat wants to expand that technology this year with a proposal** in the Assembly.

But it will take years of rain and careful conservation to replenish depleted groundwater supplies after a longstanding drought, said Jeffrey Mount, a senior fellow at the Public Policy Institute of California, a research organization.

**“We’re at the beginning of an era here in California where we’re realizing that we really have to do a better job of taking advantage of these wet periods,”** he said. **“But it’s thoroughly disorganized at this point.”**



California Gov. Gavin Newsom, right, talks to Capitola city manager Jamie Goldstein inside the storm damaged Paradise Beach Grille restaurant in Capitola, Calif., on Jan. 10, 2023. | Nic Coury/AP Photo

Newsom previewed the challenge in his budget proposal last week, calling for an additional \$200 million for flood protection. His plan avoided large cuts in drought funding despite a revenue shortfall.

The governor suggested federal funding from the Inflation Reduction Act and the Bipartisan Infrastructure Law could help fund water supply and flood risk reduction projects. He also called for a climate bond to fund water and wildfire projects. A 2014 bond approved by voters was meant to help fund new reservoirs and other water projects, though opposition from local conservation groups has delayed construction.

Dressed casually, instead of his usual suit, the governor then cut his budget presentation short so he could get to the Central Coast and survey storm damage.

**“Immediate drought support, 40 days ago, was top of mind,” Newsom said. “Right now, what’s top of mind is flood investments.”**

# The Washington Post

## Can California's massive rain solve its historic drought?

Across the world, drought plagued places are experimenting with storm water technology to take advantage of downpours



By [Pranshu Verma](#)

Updated January 9, 2023 at 6:11 p.m.

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California could get [22 trillion gallons](#) of [rain](#) in the coming days. But what does that mean for the state's drought?

In a perennial problem that even when California does get rain, much of it runs off into the ocean or is otherwise uncollected. But there's new storm water technology that could help change that, scientists say, as the decades-old discipline shifts to help water managers collect rainwater, purify it and store it for times of drought.

Much of the new technology is often referred to as "green infrastructure," and can be a more subtle way to collect rainwater off the roofs of houses or sidewalks, and have it sift through porous concrete or grassy fields into reservoirs for later use.

Still, to make a dent, it will require more government investment, technological advances and overcoming political obstacles, they said.

To learn more, The Washington Post talked with Andrew Fisher, a professor of hydrogeology at the University of California in Santa Cruz, and David Feldman, the director of the University of California Irvine's water institute. The conversation has been edited for length and clarity.

What is storm water technology?

**Fisher:** It's kind of two pieces. In general, storm water management is, first and foremost, about mitigating the hazards, avoiding the nuisance, avoiding the flooding and avoiding the damage [that comes with storm rain]. But we know that storm water is also potentially a resource. So, another arm of storm water management is figuring out what to do with some of that water. How can we hold it back? How can we store it until we're able to use it later?

**Why hasn't it solved California's droughts already?**



**Fisher:** When climate changes, the statistics change. Most of the storm water infrastructure was built 20, 30, 40 years ago, and a lot of it was built based on old data. So [drainage pipes] that were designed for 10-year events, 20 year events, 30 year events are too small. A lot of our infrastructure that was built decades ago is undersized.

**Feldman:** California is planning to do an enormous amount of work with storm water capture and harvesting, but the actual implementation of these projects will take time. In many cases, it may take years.

Land has to be acquired, things need to be built, environmental assessment studies need to be undertaken, and probably most importantly, the public in the areas in which this water is being harvested, needs to be brought on board.

How is storm water technology adapting to solve droughts?

**Feldman:** Storm water harvesting is an extremely old technology. You could go back to ancient Israel, for example, or other parts of the Middle East, in which basically rainwater harvesting techniques were widely utilized.

So what's the new wrinkle? I would say it is this notion of green infrastructure — where you don't use a lot of concrete and build storage reservoirs and dams. Instead, you come up with more expedient, more sensible ways of using the natural environment such as parks, wetlands, swampy areas or ponds to intermittently store water.

But unless you're really looking for it, the technology may be hard to discern. You see parks that have wetlands that are sort of doubling as habitat for various forms of wildlife and being replenished by [and store] rain.

You'll also notice that neighborhoods increasingly have less impervious surfaces.

Impervious surfaces are being replaced by grass and open fields and porous pavement to allow the water to regenerate groundwater basins for example. You're also seeing on tanks to store water, those sorts of things.

**Fisher:** Twenty years ago, 30, 40 years ago, storm water was really just thought about primarily as a nuisance. But because of the drought, and because of increased demand on groundwater, I would say there's a big change that's taking place.

One of these areas is in imaging the subsurface, and understanding better where our water is, and where there is space for storage. We need to use underground storage because you simply can't store enough storm water on the surface.

**Will storm water technology end California's droughts?**

**Fisher:** I would say no. Drought is highly variable. [And] California's climate swings between very wet and very dry conditions. Collecting storm water doesn't change any of those any of the things. But what storm water technology can do is be part of a solution.

**Feldman:** Storm water harvesting [is] a piece of a complex puzzle. It will not solve all of our problems, but it can solve an appreciable portion of our problems.

We might not want to use rainwater for drinking. However, that water can be treated to various degrees of reuse, at least in order to, for example, irrigate plants or irrigate landscaping.

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VENTURA COUNTY



# Editorial: How to make the most of rainfall

**The Star Editorial Board**

**January 5, 2023**

How much rain has fallen in Ventura County over the last week? More than enough to meet the needs of every person, business, strawberry field, avocado grove and irrigated urban landscape in the county for an entire year.

One can arrive at that conclusion by multiplying the number of acres in the county (1.4 million) by a countywide average of 4 inches of rainfall. The amount of water dropped from the sky, then, would be 471,000 acre-feet. Average annual water use in the county, agricultural and urban combined, is about 445,000 acre-feet.

Other than as a parlor game, there isn't much value to be found in such a calculation — but it does highlight the significant potential of capturing the runoff from the storms California has experienced over the last few weeks.

The potential is especially significant in places such as Ventura County that are highly dependent on groundwater, which supplies nearly two-thirds of the county's agricultural and urban water demands. Nearly everywhere in the county, rain that falls and collects on soil contributes to replenishing precious groundwater supplies. That which falls on rooftops, roadways, parking lots and other impervious surfaces does not.

An analysis by the Pacific Institute and the Natural Resources Defense Council estimates that in urban areas of Southern California and the San Francisco Bay Area that overlay groundwater basins, up to 440,000 acre-feet of runoff could be captured and stored for use each year.

Much of that could be accomplished through relatively simple public and private actions — retrofitting parking lots and streets to direct runoff to landscaped medians, parks or other open spaces, for instance, or redirecting downspouts to flow into landscaped areas. Simply harvesting rooftop rainwater from residential housing through devices as simple as rain barrels, the analysis finds, could yield up to 145,000 acre-feet per year for irrigation, toilet-flushing or other non-potable uses.

There is also the potential for projects on a larger scale, as is evidenced by the project completed in 2020 by the County of Ventura and the United Water Conservation District in Piru.

That project captures and treats stormwater runoff from all 36 urban acres in the Piru community. Trash and other pollutants are removed by a separation unit and then piped to the

water district's spreading ground to recharge the Piru Groundwater Basin. The scale of capture is modest — just an estimated 17 acre-feet per year, but the supply is a sustainable addition to the local water supply and in addition the project substantially improves the water quality of Piru Creek, a major tributary of the Santa Clara River.

Water in the Santa Clara River downstream from Piru does not meet federal bacterial objectives, and discharges from urban areas are a major source of that contamination.

The best time to think and act on such projects, of course, is not when the rain is falling and water is flowing into storm drains. It is when the skies are clear, the days are hot, and we're all wondering whether there will be enough water to get us through.

It remains to be seen how long this series of winter storms will continue and, thus, whether they will significantly ease this state's severe and prolonged drought. There is, after all, a very substantial deficit to make up — as of Thursday afternoon, Lake Casitas was still at less than 40% of capacity.

These storms are welcome, however, and they provide a reminder that some may have forgotten during this long drought: When rain comes in Southern California, it typically comes in bunches. And when that happens, we should be prepared to make the most of it.