



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 Guardado

Legal Counsel
David D. Boyer

AGENDA
REGULAR BOARD MEETING

Wednesday, November 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 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.

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 October 11, 2023.

B. Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Monthly Investment Reports for months ending September 30, 2023

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 – Clayton Strahan

4.1 Monthly Operation and Maintenance Department Report

Information Item

Summary report and presentation 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 and presentation 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 – John Lindquist

4.3 Monthly Water Resources Department Report and Update on Activities of Local Groundwater Sustainability Agencies (GSAs)

Information Item

Summary report and presentations on the monthly activities of the Water Resources Department including but not limited to updates to the District's Groundwater Flow Model; reservoir releases; importation of State Water Project (SWP) water; optimization of diversion and recharge operations; hydrologic and well conditions; available Forebay storage; support of design of the Extraction Barrier and Brackish (EBB) Water Treatment Project; other potential water supply and sustainability water projects; outreach and educational activities; and various user groups (including but not limited to Oxnard Plain and Pumping Trough Pipeline groups) including monthly activities of the three local Groundwater Sustainability Agencies (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 (including formation of groundwater sustainability agencies in the District's basins, stakeholder and basin user groups, joint powers or governance agreements, development of water markets, and potential basin boundary changes).

Administrative Services Department – Brian Zahn and Josh Perez

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

Information Item

Summary report and presentation 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 and presentation 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 – Marissa Caringella

4.6 Monthly Environmental Services Department Report

Information Item

Summary report and presentation 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)

Administrative Services Department – Brian Zahn and Josh Perez

5.1 Approving the General Manager to Conduct Budget Transfers and Expenditures for Radio System Enhancement along with Execution of Memorandum of Understanding with the County of Ventura

Motion

The Board will consider approval of the motion authorizing the General Manager to transfer money, with the current budget, and to subsequently procure items required for a radio systems enhancement. The General Manager will also execute a Memorandum of Understanding (MOU) with the County of Ventura (County) as part of this proposal.

6. BOARD OF DIRECTORS READING FILE

7. FUTURE AGENDA ITEMS

8. ADJOURNMENT

The Board will adjourn to the **Regular Board Meeting scheduled for Wednesday, December 13, 2023** or call of the President.

UWCD Board of Directors Meeting Agenda

November 8, 2023

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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: November 2, 2023

2 p.m.

(attest) Tracy Oehler

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

Posted: November 2, 2023

2 p.m.

(attest) Tracy Oehler

At: 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 5th 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. State of California-Department of Transportation v. United Water Conservation District and Southern California Edison, Superior Court of the State of California, County of Ventura, Case No. 56-2023-00575593-CU-EI-VTA; Complaint in Eminent Domain (parcels 81216-1 and 81216-2).



Staff Report

To: Board of Directors

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

From: Tracy J. Oehler, Clerk of the Board

Date: October 30, 2023 (November 8, 2023 Meeting)

Agenda Item: 2.5 Board Members' Activities Reports
Information Item

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 Calendar of District's Standing Committee and Outside Agency meetings
C - 2023 AWA VC Calendar of Meetings and Events



EXHIBIT A

No monthly activities were reports submitted for October.



United Water

CONSERVATION DISTRICT

2023 UWCD Standing Committee and Outside Agencies Meeting Dates

JANUARY 02- Finance and Audit (canceled)

03- Water Resources (canceled)
04- Recreation (canceled)
05- Engineering and Operations (9am-10:03am)
11- Board Meeting (12noon-2:55pm)
18- CoLAB VC WHEEL (1pm)
19 - Fillmore and Piru Basin GSA (5pm)
23- Mound Basin GSA (3pm)
24 – Special Board Meeting (11:30am-11:35am)
26- Fox Canyon GMA (1:30pm)

30- Finance and Audit – Feb (canceled)

31 – Water Resources – Feb (9am-)

FEBRUARY: 01- Recreation (1pm-)

02- Engineering and Operations (9am-10:09am)
08- Board Meeting (12noon-4:02pm)
09- Special Board Meeting-Board Norms Workshop (12noon-4pm)
15- CoLAB VC WHEEL (1pm)
16-Fillmore and Piru Basin GSA (5pm)
23- Fox Canyon GMA (1:30pm)
27- Finance and Audit - March (9am-10am)
Mound Basin GSA (canceled)
28- Water Resources - March (canceled)

MARCH: 01- Recreation (canceled)

02- Engineering and Operations (9am-10:41am)
08- Board Meeting (12noon-2:50p.m.)
16- Fillmore and Piru Basin GSA (canceled)
21- Mound Basin GSA (10am)
CoLAB VC WHEEL (1pm)

22- Fox Canyon GMA (1:30pm)

APRIL: 03- Finance and Audit (9am-10:29am)

04- Water Resources (9am-10:15am)
05- Recreation (9am-10:16am)
06- Engineering and Operations (9am-10:04am)
17- Board Meeting (12noon – 2:42pm)
19- CoLAB VC WHEEL (1pm)
20-Fillmore and Piru Basin GSA (5pm)
24- Mound Basin GSA (3pm)
26- Fox Canyon GMA (1:30pm)

MAY: 01- Finance and Audit (9am-9:28am)

02 - Water Resources (9am-10:27am)
03- Recreation (canceled)
Executive (8:30am-9:30am)
04- Engineering and Operations (9am-10:26)
17- Board Meeting (12noon-2:35pm)
CoLAB VC WHEEL (1pm)
18- Fillmore and Piru Basin GSA (5pm)
22- Mound Basin GSA (3pm)
24- Special Board Meeting – Budget Workshop (9am-10:32am)
24- Fox Canyon GMA (1:30pm)

JUNE: 01- Engineering and Operations (9am-10:25am)

05- Finance and Audit (9am-10:01am)
06– Water Resources (canceled)
06 – Executive (8am-9:20am)
07- Recreation (9am -10:33am)
14- Board (12pm-3:34pm)

15-Fillmore and Piru Basin GSA (5pm)

21- CoLAB VC WHEEL (1pm)

26- Mound Basin GSA (1pm-1:42pm)

29- Fox Canyon GMA (1:30pm)

JULY: 03- Finance and Audit (9am-9:35am)

05- Water Resources (9:00am-10:29am)
05- Recreation (canceled)
06 - Engineering and Operations (9am-10:36am)
12- Board Meeting (12noon-3:22pm)
19- CoLAB VC WHEEL (1pm)
20-Fillmore and Piru Basin GSA (5pm)
26- Mound Basin GSA (1pm)
26- Fox Canyon GMA (1:30pm)

AUGUST – UWCD DARK

16- CoLAB VC WHEEL (1pm)
17-Fillmore and Piru Basin GSA (5pm)
23- Fox Canyon GMA (1:30pm)
28- Mound Basin GSA (Canceled)

SEPTEMBER: 05- Water Resources (canceled)

05- Finance and Audit (9am-9:512am)
06- Recreation (canceled)
07- Engineering and Operations (canceled)
11- Executive Committee (10:10am-11:30am)
13- Board Meeting (8:30am-9:30am)
20- CoLAB VC WHEEL (1pm)
21-Fillmore and Piru Basin GSA (5pm)
25- Mound Basin GSA (3pm)
27- Fox Canyon GMA (1:30pm)

OCTOBER: 02- Finance and Audit (canceled)

03- Water Resources (9am)
04- Recreation (9am)
05- Engineering and Operations (9am)
11- Board Meeting (12noon)
18- CoLAB VC WHEEL (1pm)
19-Fillmore and Piru Basin GSA (5pm)
23- Mound Basin GSA (3pm)
25- Fox Canyon GMA (1:30pm)
26- Water Sustainability Summit IV
30- Finance and Audit November ()
31- Water Resources- November ()

NOVEMBER: 01- Recreation ()

02- Engineering and Operations ()
08- Board Meeting ()
15- CoLAB VC WHEEL (1pm)
16- Fillmore and Piru Basin GSA (5pm)
27- Mound Basin GSA (3pm)

DECEMBER: 04- Finance and Audit ()

05 – Water Resources ()
06- Recreation ()
07- Engineering and Operations ()
08- 08- Fox Canyon GMA (1:30pm)
13- Board Meeting ()
20- CoLAB VC WHEEL (1pm)
21-Fillmore and Piru Basin GSA (5pm)
?? -Mound Basin GSA (3pm)



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.

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

* Indicates change from typical event date



Staff Report

To: UWCD Board of Directors

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

Date: October 30, 2023 (November 8, 2023 meeting)

Agenda Item: 2.6 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.



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

DIRECTORS PRESENT

Lynn E. Maulhardt, secretary/treasurer
Mohammed A. Hasan, director
Catherine P. Keeling, director
Gordon Kimball, director
Daniel C. Naumann, director

DIRECTORS ABSENT

Bruce E. Dandy, president
Sheldon G. Berger, vice president

STAFF PRESENT

Mauricio Guardado, general manager
David Boyer, District legal counsel
Suparna Jain, assistant legal counsel
Maryam Bral, chief engineer
William Campos, recharge operator I
John Carman, operations and maintenance program supervisor
Marissa Caringella, environmental services manager
Randy Castenada, chief water treatment operator
Miriam Cisneros, accountant
Anthony Emmert, assistant general manager
Arianna Escobar, accountant
Sara Guzman, senior accountant
Zachary Hanson, water resources engineer
Tony Huynh, risk and safety manager
Krista Kelley, accountant
Taylor Knopik accountant
Tessa Lenz, environmental scientist
Ofelia Leon, human resources specialist
John Lindquist, water resources supervisor
Murray McEachron, hydrology supervisor
Craig Morgan, engineering manager
Tracy Oehler, executive assistant
Josh Perez, chief human resource officer
Zachary Plummer, technology systems manager
Adrian Quiroz, associate engineer
Ed Reese, technology systems specialist
Kris Sofley, executive assistant/clerk of the Board
Nathan Summerville, senior engineer
Clayton Strahan, chief park ranger
Brian Zahn, chief financial officer

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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

PUBLIC IN ATTENDANCE

Dan Detmer, Ventura citizen

Jennifer Tribo, Ventura Water

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

Director Maulhardt, serving as Board president in President Dandy's absence, called the meeting to order at 12noon and asked Director Keeling to lead everyone in the Pledge of Allegiance.

1.1 Public Comments

Information Item

After reciting the Pledge of Allegiance, Director Maulhardt asked if there were any public comments. None were offered.

Director Maulhardt then asked District's legal counsel, David Boyer, to summarize the topics the Board will discuss in Executive (Closed) session. Mr. Boyer responded that the topics of discussion were those listed in Exhibit A of the agenda.

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

Director Maulhardt adjourned the meeting to Executive (Closed) session at approximately 12:05p.m., stating that the Board would return to its Second Open session at approximately 1:30p.m.

2. SECOND OPEN SESSION AND CALL TO ORDER 1:30 P.M.

Director Maulhardt called the Second Open session of the UWCD Board of Directors meeting to order at approximately 1:30p.m.

2.1 Pledge of Allegiance

Director Maulhardt asked Director Keeling to lead everyone in the Pledge of Allegiance.

2.2 Public Comment

Information Item

Director Maulhardt asked if there were any public comments. None were offered.

2.3 Approval of Agenda

Motion

Director Maulhardt asked for a motion to approve the agenda. Director Hasan made a motion to approve the agenda as is; seconded by Director Keeling. Voice vote: five ayes (Hasan, Keeling, Kimball, Naumann, Maulhardt); none opposed; two absent (Berger, Dandy). Motion carries unanimously 5/0/2.

2.4 Oral Report Regarding Executive (Closed) Session

Information Item

Director Maulhardt asked District Legal Counsel to report out of Executive (Closed) session. Mr. Boyer reported that the Board took no action in Executive (Closed) session that is reportable under the Brown. Act.

2.5 Board Members' Activities Report

Information Item

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

2.6 General Manager's Report

Information Item

General Manager Mauricio Guardado addressed the Board, stating that on October 3, 2023, the Federal Energy Regulatory Commission (FERC) denied National Marine Fisheries Services' (NMFS) "untimely motion to intervene" in the District's application to amend its permit for the Santa Felicia Dam. FERC's ruling stated that "NMFS failed to demonstrate good cause for its inability to intervene in a timely manner," therefore the Commission denied NMFS' motion.

Mr. Guardado also reported on Association of California Water Agencies (ACWA) had completed its elections and Cathey Green was the new president of ACWA, with Ernesto "Ernie" Avila elected to serve as ACWA Vice President. In Region 5, the proposed slate of candidates, including John Varela as chair, Sarah Palmer as vice chair, and Mary Bannister, John Muller, John H. Weed, and Floyd Wicks as Region 5 Board members. All of the elected officials will begin their terms in January 2024 and will serve until December 31, 2025.

Mr. Guardado then announced several staff promotions, including Dr. Zachary Hanson's promotion to Water Resources' engineer; Murray McEachron's promotion to hydrologist supervisor, and Adrian Quiroz' promotion to engineer.

Welcoming those who have been recently hired by the District, Mr. Guardado introduced new staff members to the Board, including new Recharge Operator I William Campos, who will be working at the District's Saticoy facility; newly hired Accountants Miriam Cisneros, Arianna Escobar, Krista Kelley and Taylor Knopik; Executive Assistant Tracy Oehler and Senior Engineer Nathan Summerville.

Lastly, Mr. Guardado mentioned the retirement of Human Resources Specialist Ofelia Leon, after serving the District for 20 years; and Operations and Maintenance Program Supervisor John Carman, after serving the District for 37 years.

2.7 Recognition of Retiring Human Resources Specialist Ofelia Leon

Ceremonial Item

Director Maulhardt spoke of Ofelia Leon's 20-year career with the District, including the various positions she has held and the promotions she has earned. He presented her with a gift from the District commemorating her service and complimenting her on her helpfulness and professionalism.

Ms. Leon thanked the Board for the opportunity that led to a 20-year career. She spoke of the many positive changes she has witnessed over that time, and also thanked all of her co-workers for their professionalism. She expressed her happiness at being a part of the United family and specifically thanked Chief Human Resources Officer Josh Perez and General Manager Mauricio Guardado for their leadership, flexibility and all that they have done for her.

2.8 Recognition of Retiring Operations and Maintenance Program Supervisor

John Carman

Ceremonial Item

Director Maulhardt spoke of John Carman's incredible career-longevity at United, joking that John has been employed by the District longer than the years of service of the Board members combined. Director Maulhardt recapped John's career, which began in 1986 as a night shift water treatment operator and how, over the past 37 years, he has personified the District's mission and has been a stellar example of the type of staff members that comprise the District.

Mr. Carman recounted his years of service to the District, including having served under five different general managers -- George Irvin Wilde; Fredrick G. Gientke; Dana L. Wisheart; E. Michael Solomon; and Mauricio Guardado. He thanked Mr. Guardado for helping him to merge his passion for photography with his responsibilities within the Operations and Maintenance department and thanked the Board and the United team for what he called "this wonderful journey."

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)

Motion to approve the Consent Calendar items, Director Naumann; seconded by Director Hasan. Roll call vote: five ayes (Hasan, Keeling, Kimball, Naumann, Maulhardt); none opposed; two absent (Berger, Dandy). Motion carries unanimously 5/0/2.

A. Approval of Minutes

Motion

Approval of the Minutes for the Regular Board Meeting of September 13, 2023.

B. Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Monthly Investment Reports for months ending July 31, 2023 and August 31, 2023

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)

Administrative Services Department – Brian Zahn and Josh Perez

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

Information Item

Chief Financial Officer Brian Zahn addressed the Board, stating that he had no presentation for the Board, but if there were any questions regarding the monthly activities of the Finance team, he would be happy to answer them. The Board had no questions or comments for Mr. Zahn.

Chief Human Resources Officer Josh Perez addressed the Board, also stating that he had no presentation for the Board, but if there were any questions regarding the monthly activities of the Administrative Services team, he could be happy to answer them. The Board had no questions or comments for Mr. Perez.

Engineering Department – Dr. Maryam Bral

4.2 Monthly Engineering Department Report

Information Item

Chief Engineer Dr. Maryam Bral addressed the Board, stating that she had two presentations for the Board (see attached slides), the first would cover the Engineering department's activities of the past month, and the other was a presentation on the safety of the Santa Felicia Dam operations, which was very serious and required the Board's full attention.

Dr. Bral's first presentation updated the Board on the Santa Felicia Dam Public Safety Improvement Project including the completion of the 60 percent design of the SFD Spillway design by the end of October and the completion of the fifth multi-agency coordination meeting. She reiterated FERC's decision to deny NMFS' motion to intervene in the SFD permit application amendment. She recounted the asphalt maintenance project at the Lake Piru Recreation Area and revisited the Iron and Manganese ribbon cutting ceremony on September 13. She also reported on the repair of an obstructed pipeline near the El Rio facility, which

was completed in record time and provided an update on the Freeman Diversion expansion project which includes tying the Noble basin into the Ferro Basin.

Dr. Bral then provided an update on the Extraction Barrier Brackish Water (EBB Water) Treatment project at Pt. Mugu. Including the development of the State Water Resources Control Board grant agreement in the amount of \$8.45M, which is expected to be completed by the end of the year.

Moving on to the Santa Felicia Dam “Owner’s Dam Safety Program” and CDSE’s Annual Dam Safety Report, Dr. Bral recounted the seismic event which occurred on August 20 and was centered in Ojai, and the recent spill events (although they are not considered a dam safety emergency). Dr. Bral addressed critical inspection findings and surveillance and monitoring findings at the dam, as well as the results of three different Emergency Agency Plan meetings which occurred over the past year. An external auditor provided 15 recommendations for improving the SFD Owner’s Dam Safety Program, including the development of an overarching dam safety policy that states UWCD’s commitment to public safety through the implementation of an effective dam safety program. She also reported that she would be providing a full update to the General Manager in November and would submit a plan and schedule for addressing those recommendations to FERC by December 31, 2023. Dr. Bral asked the Board if they had any questions or comments.

Director Naumann said Dr. Bral had provided a lot of information and appreciates her seriousness and thoroughness in accepting responsibility for the safety of the dam operations. Dr. Bral said she would also provide a copy of the completed full report to the Board.

Environmental Services Department – Marissa Caringella

4.3 Monthly Environmental Services Department Report Information Item

Environmental Services Manager Marissa Caringella addressed the Board, (see attached slides) stating that during weekly inspections at the Freeman Diversion, no O. mykiss have been observed in the month of September. The department has also been providing support to the Operations and Maintenance team in its flushing operations at the Freeman Diversion as well as maintenance activity planning. She also reported that, since the decision to construct the hardened ramp alternative fish passage at the Freeman has been made, staff are currently finalizing the multiple species habitat conservation plan (MSHCP) for the Freeman Diversion and plan to submit it in February, 2024.

Ms. Caringella reported that staff was continuing to monitor for quagga mussels at Lake Piru, lower Piru Creek, SFD spillway pool and was also monitoring 10 different sites within the lower system weekly. Ms. Caringella reported the

Operations and Maintenance staff were also conducting chemical treatments of chlorine injections at the moss screen and PV reservoirs.

Ms. Caringella reported that the District's request for a temporary variance for importing State Water for November 2023 to February 2024 deliveries has been approved, allowing the District to import up to 25,000 acre-feet of water through Pyramid into Lake Piru. Staff continue to plan for next year and are developing a long-term solution to increasing State Water imports.

Director Maulhardt commented that seeing the requested variance approved as a result of various staff systems and requests approved by the Board was very encouraging. Ms. Caringella replied that the increased opportunity supports UWCD's mission.

Ms. Caringella then invited Environmental Scientist Tessa Lenz to continue the department's presentation to the Board. (see attached slides) Ms. Lenz reported that Environmental Services staff have been conducting various studies at the Mugu lagoon in collaboration with the US Navy personnel in support of the EBB Water Treatment project. In August, the team conducted a Bathymetric survey of the Mugu Lagoon via kayak, and Eelgrass mapping of the Mugu Lagoon via kayak. The team also collected scientific data for technical studies and CEQA purposes. Ms. Lenz stated that there is great collaboration between the District and Navy, including having Environmental Species Act experts in the field as well as the security around Mugu lagoon which helps in collecting data. Answering a question from Director Hasan about federal grant funding, Ms. Lenz said that CEQA is being addressed first and then once the Navy triggers NEPA, and state and federal permits are secured, then more state and federal grant funding will be pursued.

Operations and Maintenance Department – John Carman

4.4 Monthly Operation and Maintenance Department Report Information Item

Operations and Maintenance Program Supervisor John Carman addressed the Board and began his presentation (see attached slides). Starting at the Santa Felicia Dam, Mr. Carman reported the replacement of a filtration plant hose, sprucing up of the Santa Felicia Dam monument with a fresh coat of paint, and readjusting the marina docks due to decreasing water levels. Mr. Carman said the lake level is dropping at a rate of about five inches per day.

Mr. Carman also addressed collaborating with Pleasant Valley County Water District (PVCWD) on two separate applications of a copper sulfate product at both reservoirs. He also reported working with Water Resources staff on various innovative approaches to restoring the percolation rate of the District's recharge basins. Due to ongoing use, the basins have incurred a six to eight inch build up of silt. Staff are finishing up Pond 2 at present and, when funds are secured, will begin a similar process at Pond 3. Mr. Carman added that it has been some 20 years since the District has experienced this level of recharge.

Mr. Carman then address the removal of an enormous stalactite which had formed in a pipe within the Oxnard Hueneme pipeline near El Rio that will be utilized by the new Iron and Manganese treatment plant. Mr. Carman said with the higher flows due to the Iron and Manganese it was imperative that the stalactite be removed quickly, as the pipeline also serves the cities of Port Hueneme and Oxnard and several disadvantaged communities, so the replacement of the damaged pipeline had to be done very quickly. Coordinating with Engineering, Operations, Assistant General Manager Anthony Emmert and Mr. Guardado, and with the help of Travis Ag and others, an 18-foot section of pipe was fabricated, including a 42-inch flange, and replaced in three days.

Mr. Guardado addressed the Board stating that he wanted to emphasize the time frame for this project, including the different staging of crews to cover trenching, preparation, analysis and more. He said it was a very creative solution to keep disadvantaged communities supplied with running water and was a great example of team involvement. No time or materials were wasted and the whole operation was very impressive.

Mr. Carman added that Engineering Manager Craig Morgan had a 10-foot section of pipe that was being stored at Dos Diegos, and that Mr. Morgan mocked up the design for the fabricators.

Mr. Emmert added that the whole thing would not have happened were it not for the help of the City of Oxnard and Port Hueneme. He said there was a brief slowdown to confirm the situation and address concerns, including speaking with the Division of Drinking Water and Oxnard's Michael Wolfe and Port Hueneme Water Agency's Dennis Martinez provided the support needed to do this job quickly and correctly as several local water mutuals reply 100 percent on the Oxnard Hueneme system for water.

Mr. Carman then addressed the ribbon cutting ceremony for the Iron and Manganese Treatment Plant at the District's El Rio facility. He called it an awesome celebration and said the timeliness of the project is water sustainability in action. He also reported continued progress on the PTP meter replacement project, stating there were only 10 meters on the system left to be replaced.

Director Kimball commented that the District and staff continue to impress him with the level of thinking, the creative problem solving, all very impressive, and thanked Mr. Carman for his report.

Park and Recreation Department – Clayton Strahan

4.5 Monthly Park and Recreation Department Report
Information Item

Chief Park Ranger Clayton Strahan addressed the Board and began his presentation (see attached slides). Chief Strahan reported that the clean-up at the lake has continued throughout July through September, is almost complete. During the post-storm clean-up, drains from 2005 that had been covered over where uncovered, which is good news, and to date, 105 40-yard bins of debris that was floating on the lake and 1,126 dump truck loads have been removed from the Lake Piru Recreation Area. Chief Strahan reported that the District has applied for \$3.97m from FEMA for emergency storm clean-up and to date has received approximately \$20,000 from FEMA and notification from SDRMA that a \$354,000 payment for marina repairs at the lake is forthcoming, leaving approximately \$2.2m outstanding. The District, said Chief Strahan, has expended about \$1.5m with the two clean-up construction companies – Summer Construction who handled land-based clean-up and McNab Construction, who handled water-based clean up.

Staff has concluded an overhaul of the District's quagga mussel decontamination unit, installation of new coin-operated clothes washers and dryers have been concluded (new units and installation costs \$13,000 versus annual revenue from laundry units averages \$20,000), installation of a new irrigation system in the Dog Park, and the annual tree care project, the largest in the 17 years that Chief Strahan has been at the lake, which was preformed by Pacific Vista Landscapes, was completed.

Chief Strahan also discussed some recent promotional events at Lake Piru, including a s'mores and stories interpretive talks program, howl at the moon nighttime fishing, and even welcomed a Bass Fishing Tournament back to the lake. The Lake has also hosted several training programs for local agencies including Ventura County Search and Rescue training, Ventura County Radio Dispatch training and a wilderness first-aid training program.

Director Maulhardt asked if staff were tracking repeat customers, especially campers. Chief Strahan said that among those campers using electrical and full hook-up sites, about 30 percent were repeat customers. Last year, that figure was 12 percent repeat customers, so returning customers are on an upward trajectory. He also pointed out a recent visit from the Santa Clarita Tourism Board stating that the tour of the Lake Piru Recreation Area has paid off in no cost promotions to residents of the Santa Clarita Valley and Los Angeles.

Chief Strahan reported that Lake Piru Recreation Area revenue in 2023 is up in every category, and that is without the store. To date in 2023, total revenue is \$877,000 compared to \$875,000 for the whole 12 months of 2022. He said this is the highest revenue reported, ever.

Mr. Guardado remarked that staff has changed a failing asset into a popular family destination in a very short period of time. Director Maulhardt agreed stating that the strategy to transform Lake Piru into an enjoyable family experience as both a park and a recreation area has been very successful and staff needs to continue to remind the public of all the things to do there, even without a full lake.

Chief Strahan said that the proximity of the lake and recreation area to major metropolitan areas help, and that the competitive market requires a strategic social media outreach program. Director Naumann asked how the wi-fi program is being received. Chief Strahan explained that the cost of installation was between \$65,000 and \$70,000, and has generated some \$30,000 in revenue just this year to date, so it is definitely paying for itself. By having wi-fi access available for our visitors, we have attracted more long-term campers, including traveling nurses, and thanked the Board for its support of these and other programs.

Director Maulhardt said that social media is definitely powerful and Director Keeling said that when the public relations package comes back to the Board, she'd like to see a social media support program for Lake Piru.

Water Resources Department – John Lindquist

4.6 Monthly Water Resources Department Report

Information Item

Water Resources Supervisor John Lindquist addressed the Board and introduced Dr. Jason Sun who was presenting an update to the Board on the District's Recycled Water Pumping Allocation (RWPA) Impact Analysis (see attached slides).

Dr. Sun stated that the Fox Canyon Groundwater Agency (FCGMA) adopted Resolution 2013-02 over 10 years ago, which was designed to reduce pumping along the coast. The City of Oxnard's Groundwater Recovery Enhancement and Treatment Program (GREAT Program) was to earn allocation credits for City, but Oxnard has not been able to access RWPA water (6,600 acre-ft) due to multi-year drought and low Forebay groundwater conditions, at least until this year.

Dr. Sun then presented model data that showed the RWPA program has a net benefit in reducing the coastal seawater flow. That extractions at 3,000 acre-ft/yr in dry years has minimal impact on the Forebay groundwater elevation except extracting in the Forebay. Extraction at 6,000 acre-ft/yr in dry years has moderate to significant impact on the Forebay groundwater elevation.

Dr. Sun concluded his presentation by stating that FCGMA and the City of Oxnard are preparing a new resolution based on the updated RWPA impact analysis and monitoring plan.

Director Kimball congratulated Dr. Sun and said that the Board invests a lot of money on modeling and this is a classic model demonstrating certainty for non-technical decisions. He added that United is providing a service to FCGMA and Oxnard which is impressive and gives decision makers the information they need

to make good decisions. Director Maulhardt echoes that sentiment saying that one of the things he has asked of the FCGMA is that any policy has to have a technical review. He said that, quite by accident, he suggested a five year review cycle, which just happens to coincide with SGMA's groundwater sustainability plans. Dr. Sun said he has concluded that this modeling requires periodic five year reviews, especially if the regulatory situation changes, then the analysis needs to be re-evaluated.

Mr. Lindquist then invited Dr. Bram Sercu to the podium to present the Board with an update on the District's State Water purchases and reservoir releases.

Dr. Sercu stated that the District has been maximizing releases until today, taking a short pause for expected tropical storm, but has consistently been diverting 240cfs at the Freeman Diversion since July. The combination of maximum releases from Lake Piru (lake level down from 80,000AF to 45,000AF) and that maximum releases will continue to November 4. Then there will be a two week pause in November for maintenance at the Saticoy facility, after which diversions at the Freeman will ramp back up, diverting as much as possible.

Dr. Sercu also stated that December could begin more rain events. With lake levels down to 20,000 and the purchase of State Water beginning delivery through Pyramid, the District will be bringing in up to 40,000 acre-feet of water by the end of the year. And that's not including Article 21 water that may be available.

Director Maulhardt asked if storm events will add on to this estimated influx of water and Dr. Sercu said it's tentative, of course, but December rains and/or a big runoff in January or February, there could be as much as 140,000 acre feet coming into the FCGMA, but that doesn't happen without United Water.

5. MOTION ITEMS (By Department)

Engineering Department – Maryam Bral

5.1 Resolution 2023-15 Adopting the Revised Owner Dam Safety Program dated October 2023

Motion

Dr. Bral addressed the Board again, asking for its consideration to adopt Resolution 2023-15, approving the revised Santa Felicia Dam Owner Dam Safety Program, revision 9.0, dated October 2023, which was discussed in her earlier presentation.

Motion to adopt Resolution 2023-15, approving the revised Santa Felicia Dam Owner Dam Safety Program, revision 9.0, dated October 2023, Director Naumann; seconded by Director Hasan. Roll call vote: five ayes (Hasan, Keeling, Kimball, Naumann, Maulhardt), none opposed, two absent (Berger, Dandy). Motion passes unanimously 5/0/2.

6. BOARD OF DIRECTORS READING FILE

7. FUTURE AGENDA ITEMS

Director Maulhardt asked if any of the Board members had any topics or items for discussion at a future Board meeting. None were offered.

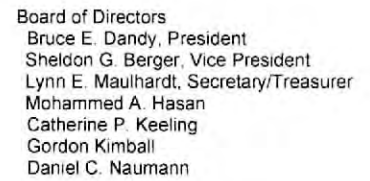
8. ADJOURNMENT 3:42p.m.

Director Maulhardt adjourned the meeting at 3:42p.m. to the next **Regular Board Meeting scheduled for Wednesday, November 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 October 11, 2023.

ATTEST: _____
Lynn E. Maulhardt, Board Secretary


ATTEST: _____
Tracy Oehler, Clerk of the Board



Legal Counsel
David D. Boyer

Affiliation

Jennifer Totbo Ventura Water



United Water

CONSERVATION DISTRICT

United Water Conservation District shall manage, protect, conserve and enhance the water resources of the Santa Clara River, its tributaries and associated aquifers, in the most cost effective and environmentally balanced manner.

REGULAR BOARD OF DIRECTORS MEETING

October 11, 2023

1



ENGINEERING DEPARTMENT MONTHLY UPDATE

October 11, 2023



2

Santa Felicia Dam Safety Improvement Project

Design and Pre-construction Phase

- ☐ 60% Spillway Design Completion by end of October 31
- ☐ 100% Outlet Works Design ongoing
- ☐ BV completed review of the Outlet Works Design Documents:
 - ✓ Constructability Quality Assurance report
 - ✓ Owners Engineer Quality Assurance report
 - ✓ Plans and Specs review
- ☐ Multi-agency Coordination Meeting No. 5 (United, DWR, LADWP)
 - ✓ Coordinating activities prior to and during new Outlet Works Construction



3

3

Regulatory

Santa Felicia Dam Safety Improvement Project

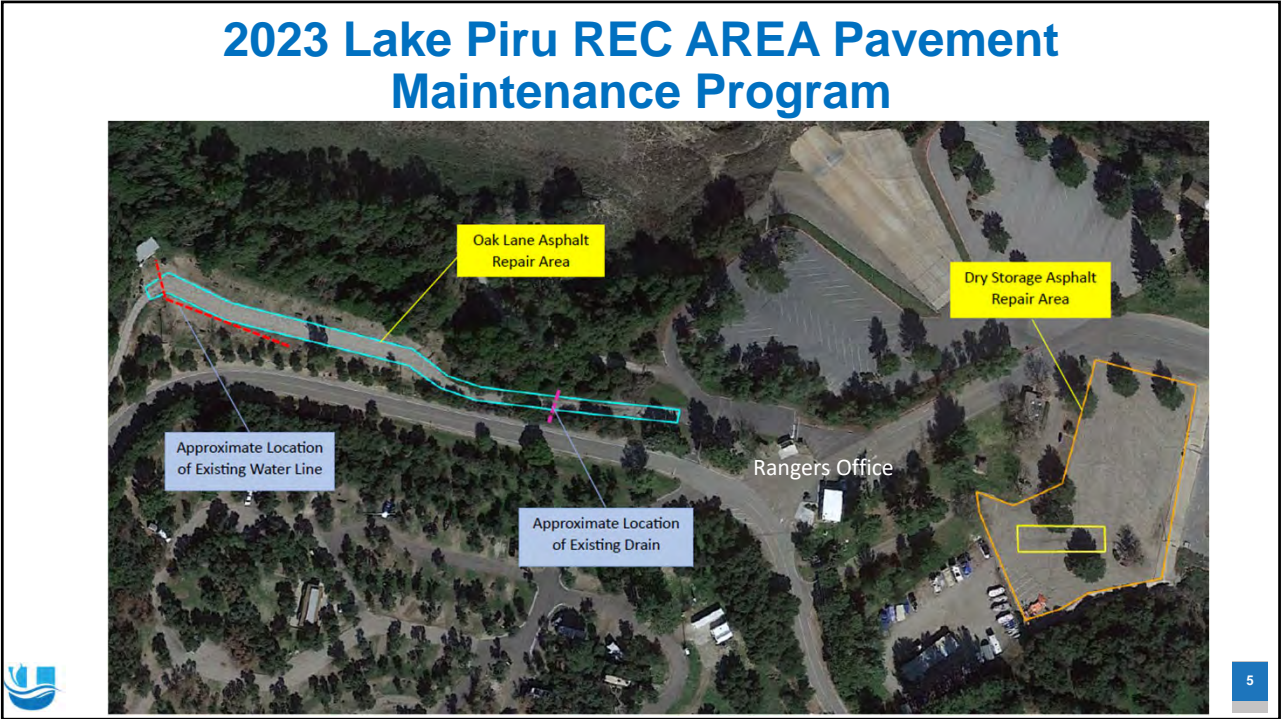
Environmental Permitting and Agency Consultation

- ☐ NMFS Late Motion Denied – FERC issued Notice Denying Late Intervention on October 3
- ☐ Opposition to Motion: United filed Opposition to NMFS late motion on September 13.
- ☐ United's letters to FERC (September 12).
 - Request for non-federal designation to conduct ESA Section 7 consultation with NMFS.
 - Clarification on Environmental Baseline under ESA of 2008 BiOp and Final BiOp for dam safety improvements.
- ☐ NMFS' Letter filed with FERC on September 14 – NMFS responded to United's May 24, 2023 response to comments on the draft Biological Assessment.



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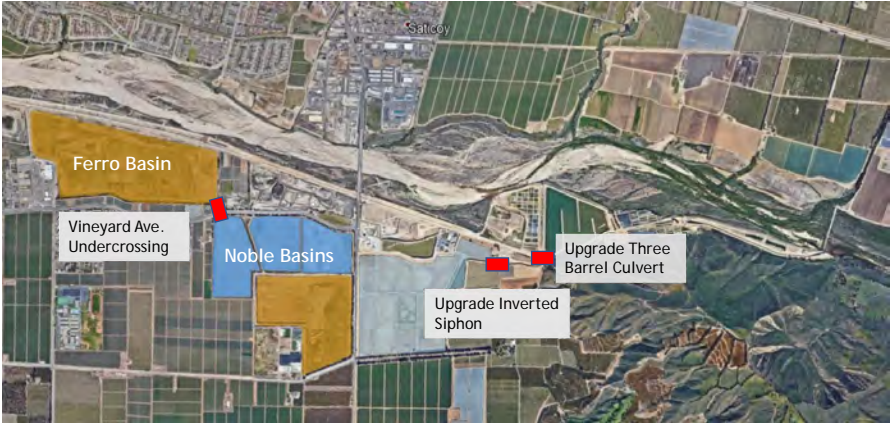
Filter Media Backwash






9

Freeman Conveyance System Upgrade - Freeman to Ferro Recharge Basin



- ❑ Three Barrel Culvert - 90% design upgrade completed in August.
 - Staff reinitiated the permit process with Ventura County Watershed Protection.
- ❑ Inverted Siphon – 100% Design and Bid Packet ready for bid
- ❑ Noble – Ferro Connection – HDR to prepare the Preliminary Design Report



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Extraction Barrier and Brackish Groundwater Treatment - Phase 1

- ❑ **MOA** – Submitted to the Navy in August to be fully executed in 2023.
- ❑ **LOR** – Draft submitted to the Navy in September. The Navy to initiate the real estate process for an outgrant easement.
- ❑ **SWRCB Grant Agreement** - United and SWRCB/ DFA Staff are developing the agreement for \$8.45M grant. Full execution by late 2023.
- ❑ **Geotechnical Exploration** – Proposals from two Geotech consultants are under review by Staff.
- ❑ **Design and Permits** - KJ, ESA and United site visit on October 3. *(more information to be provided by ESD)*

The map, titled 'Extraction Barrier and Brackish (EBB) Water Treatment Project Phase 1 Project Location Map', shows a coastal area with a proposed extraction barrier. The barrier is a line of wells labeled EBB1-M, EBB1-O, EBB2-M, EBB2-O, EBB3-M, EBB3-O, EBB4-M, EBB4-O, EBB5-M, and EBB5-O. A 'Point of Discharge' is marked near EBB2-O. A legend indicates 'Extraction_Well_Proposed' (green circle) and 'Proposed Utility' (blue line). The map also shows the 'Marine Layer' and 'Santa Monica Mountains National Recreation Area'.

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Public Outreach

Newark Desalination Facility and Aquifer Reclamation Wells visit in August

A group of seven people, including staff and visitors, are standing in front of large industrial desalination equipment. The date '8/8/2023' is visible in the bottom right corner of the photo.

A group of ten people are standing in front of large industrial storage tanks at the Aquifer Reclamation Wells. The date '8/8/2023' is visible in the bottom right corner of the photo.

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Thank You



**Owner Dam Safety Program
CDSE’s Annual Dam Safety Report**



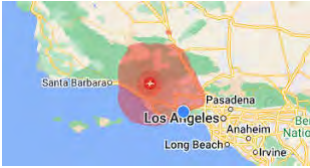


October 2022 through October 2023



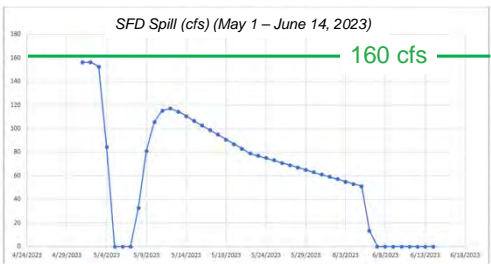

Dam Safety Incidents

Seismic Event




Aug 20, 2023 - 5.1 M Earthquake – 4.3 miles SE of Ojai, CA

Spill Events



Spillway flow not considered a dam safety emergency



15



Critical Inspection Findings





✓ Spillway debris removal by August 30, 2023



✓ Engineering inspection of spillway on September 14



✓ Annual FERC inspection on September 26





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Surveillance and Monitoring

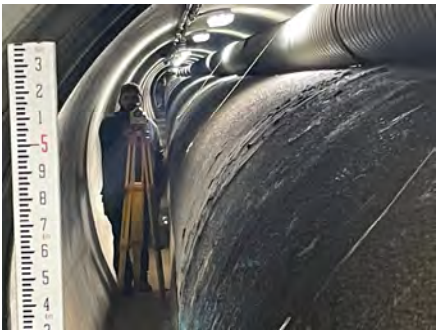
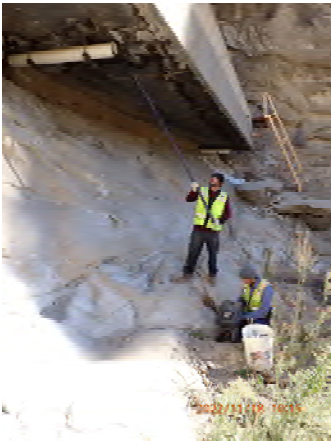
Monitoring Activity and Highlights

Triennial Spillway Drain Video Inspection – November 2022

Drain system functional and in fair condition.

Biennial Monitoring Survey – June 2023 (Structural)

Data Processing In-Progress.



EAP Exercises



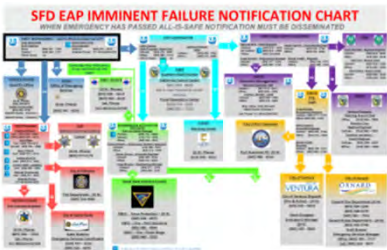
2022 EAP Tabletop Exercise
October 20, 2022

54 Participants from 11 agencies



2023 EAP Functional Exercise
February 23, 2023

49 participants from 10 agencies



2023 EAP Call-Down Drill
June 27, 2023

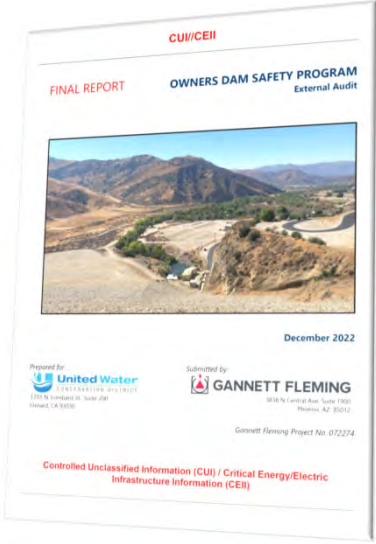
Notified 15 external agencies in 13 minutes

❑ Two inundation flood maps introduced during the past year



2022 ODSP External Audit Report Findings

- External Auditor provided 15 recommendations for improving the SFD ODSP
- 🔑 Develop **an overarching dam safety policy** that states UWCD's commitment to public safety through the implementation of an effective dam safety program.
- GM Debriefing in November 2022
- Plan and Schedule for addressing recommendations to be submitted to FERC by December 31, 2023



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CDSE's Annual Dam Safety Report

The report documents dam safety events and accomplishments over the past year. (Ref: 2022 ODSP Audit Report)

- ✓ 2022 ODSP Audit Report Findings
- ✓ Dam Safety Incidents / EAP Activations
- ✓ Critical Inspection Findings
- ✓ Surveillance and Monitoring
- ✓ Maintenance Modifications

- ✓ EAP Updates
- ✓ EAP Exercises
- ✓ Annual Trainings
- ✓ **New policies, practices and procedures**
- ✓ **Current and projected future ODSP improvements**

- ❑ Expand ODSP to Serve as Dam Safety Policy
- ❑ Implement Dam Safety Mentorship Program and Succession Planning
- ❑ Future Dam Safety Training Plans
 - Implement Cross-Training for SFD and Saticoy O&M Staff
 - Implement Routine Training at Monthly O&M Safety Meetings

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20

10



QUESTIONS ?

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Lake Piru – summer 2023
Photo by Ecoman Consulting

**ENVIRONMENTAL SERVICES DEPARTMENT
SEPTEMBER UPDATE**

October 11, 2023



22

Freeman Diversion Operations


- Flushing operation support
- Maintenance activity planning
- MSHCP to be submitted Feb 9, 2024



Quagga Mussel Management

- Monitoring at Lake Piru, lower Piru Creek, SFD spillway pool
- Lower system monitoring of 10 sites weekly
- Lower System chemical treatment






Increased State Water Imports to Lake Piru

APPROVED!
Temporary Variance for Nov 2023 to Feb 2024 delivery

United can import up to 25,000 acre-feet from Pyramid to Lake Piru

Planning for next year

Long-term solution underway






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Extraction Barrier and Brackish Water Treatment Project Highlights

Collected scientific data from the Mugu Lagoon for technical studies and CEQA

In August 2023, conducted

- Bathymetric survey of the Mugu Lagoon via kayak, and
- Eelgrass mapping of the Mugu Lagoon via kayak.







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Extraction Barrier and Brackish Water Treatment Project Highlights

Collected scientific data from the Mugu Lagoon for technical studies and CEQA

In August 2023, conducted

- Bathymetric survey of the Mugu Lagoon via kayak, and
- Eelgrass mapping of the Mugu Lagoon via kayak.





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Thank You



Stream Rescue Training
lower Piru Creek – Sept 2023



OPERATIONS AND MAINTENANCE DEPARTMENT MONTHLY UPDATE

October 11, 2023



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Santa Felicia Dam

Filtration Plant 4" Hose – Monument / Parapet wall painting- Marina Dock






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30

PV Reservoir





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OH Delivery

El Rio Recharge Basins – SCBA Training





32

32

El Rio Booster Plant

Nh3 Stalactite removal / repair





33

33

FeMn

Ribbon Cutting



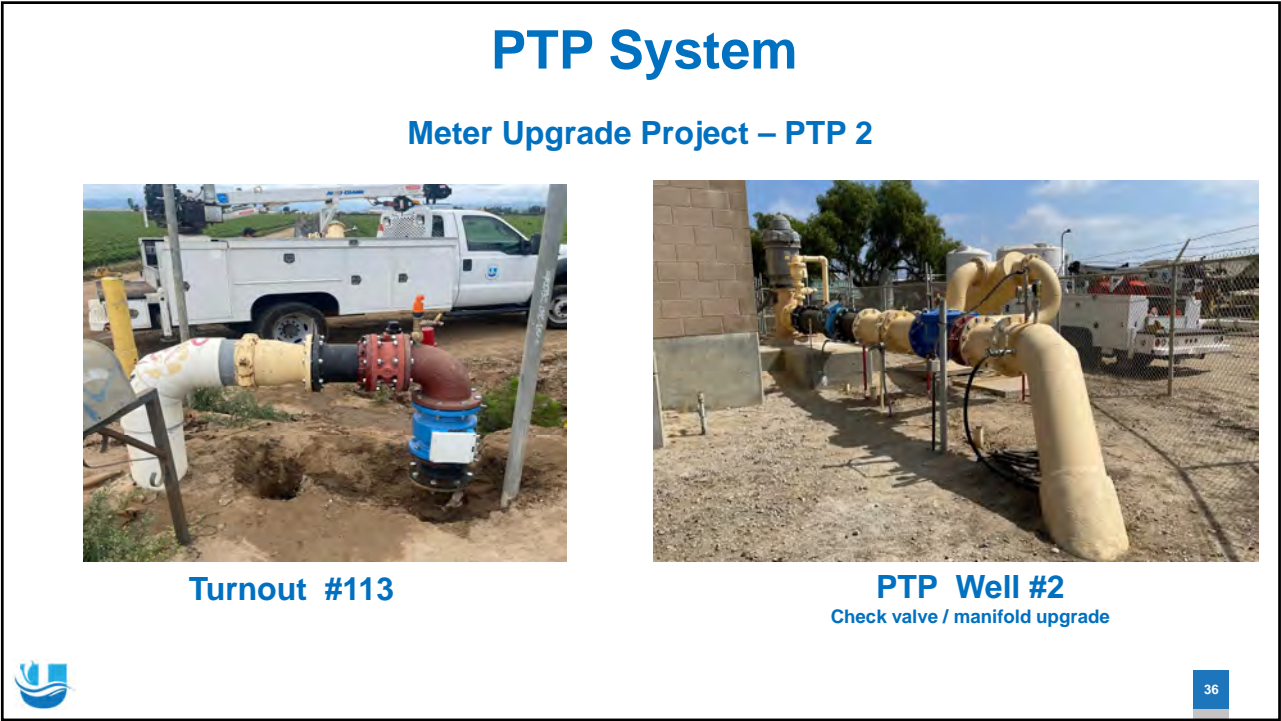


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Questions?



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October 11, 2023

PARKS AND RECREATION DEPARTMENT

Lake Piru Recreation Area Highlights and Updates

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Operational Update: JULY – SEPTEMBER 2023

Facilities Maintenance Highlights

- Staff continued to work and manage the FEMA cleanup efforts associated with the January 9, 2023, storm (July-August).
- Performed an overhaul of the District's quagga mussel decontamination unit (July 10-25).
- Staff coordinated the Oak Lane asphalt repair project in conjunction with engineering (Aug. 1-9).
- Staff along with contractors performed the installation of the newly purchased coin operated laundry unit (August 1-22).
- Staff installed a new irrigation system at Dog Park (Aug. 24-Sept. 1).
- Staff managed the annual tree care maintenance project performed by Pacific Vista Landscapes totaling \$68,000 in budgeted work (Sept.18-29).

United Water Conservation District



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Operational Update: FEMA RESTORATION UPDATE



Facilities Maintenance Highlights

- July 5: Began repairs to East road and drain basins.
- July 5-21: Repaired drain basin 1 nearest SFD.
- July 23-31: Repaired basins 2-6.
- August 1-15: Repaired three-barrel culvert crossing in Santa Felicia Cove.
- August 30: Cleaned off SFD Spillway.
- September 1-15: Installed overflow drain culvert risers in all east road drain basins.
- September 18-29: Completed clearing drain basins on the west side:
 - 4,197 cubic yards floating debris = 105 bins (40 yard)
 - 12,549 cubic yards (Oct. 3) = 1,126 Truck Loads

FUNDING UPDATE:

- \$3.97 million requested
- \$20,000 received

United Water Conservation District



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Operational Update: JULY-SEPTEMBER

Training, Events, and Meetings

July 14, 18, and Aug. 11 and 25	• S'mores and Stories Interpretive Talks
July 1 and August 5	• Howl at the Moon Night Fishing Event
July 15 and Aug. 5	• Hosted Semi Professional Bass Fishing Tournaments for National Bass West
Aug. 4	• Santa Clarita Valley Tourism Board Tour
July 21-24, Aug. 1, Sept. 14-15, and 26	• Hosted Film Shoots Totaling Over \$14,000
Aug. 16	• Ventura County Search and Rescue Training Day
Sept. 8, 11 and 12	• Ventura County Radio Dispatch Training
Sept. 19-20	• Wilderness First Aid Training

United Water Conservation District

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PARK VISITATION AND REVENUE RECAP

Annual Month to Month Comparison

United Water Conservation District

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Operational Update

Revenue Recap 2023 vs. 2022
Jan. 1 – Sept. 26

Year	Day Use Revenue	Camping Revenue	All Other Revenue	Revenue Collected	Revenue Received (after refunds)	Visitation (# of people)
2023	\$223,287	\$499,550	\$134,404	\$915,872	\$859,105	77,940
2022	\$206,815	\$450,114	\$119,341	\$826,265	\$776,270	70,579

United Water Conservation District

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Operational Update

Other Revenue Recap – 2023 vs. 2022
Jan. 1 – Sept. 26

Year	Firewood	Ice/Water	Showers/Laund ry	Wi-Fi	Filming/Events	Pet Fees	Concessions/ T-shirts
2023	\$19,750	\$23,977	\$8,316	\$29,112	\$20,942	\$10,127	\$12,610
2022	\$15,464	\$20,260	\$14,956	\$25,272	\$15,509	\$8,635	\$8,000

United Water Conservation District


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QUESTIONS?

United Water Conservation District


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SUMMARY OF THE UPDATED RECYCLED WATER PUMPING ALLOCATION (RWPA) IMPACT ANALYSIS

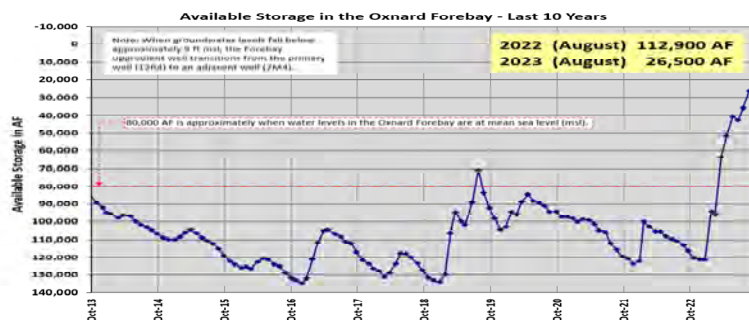
Presented by Jason Sun, Ph.D., P.E., Supervisory Water Resources Engineer
October 11th, 2023



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Resolution 2013-02

- Fox Canyon Groundwater Agency (FCGMA) adopted Resolution 2013-02 designed to reduce pumping along the coast.
- The City of Oxnard's Groundwater Recovery Enhancement and Treatment Program (GREAT Program)
- City has not been able to access RWPA water (6,600 acre-ft) due to multi-year drought and low Forebay groundwater conditions until 2023.



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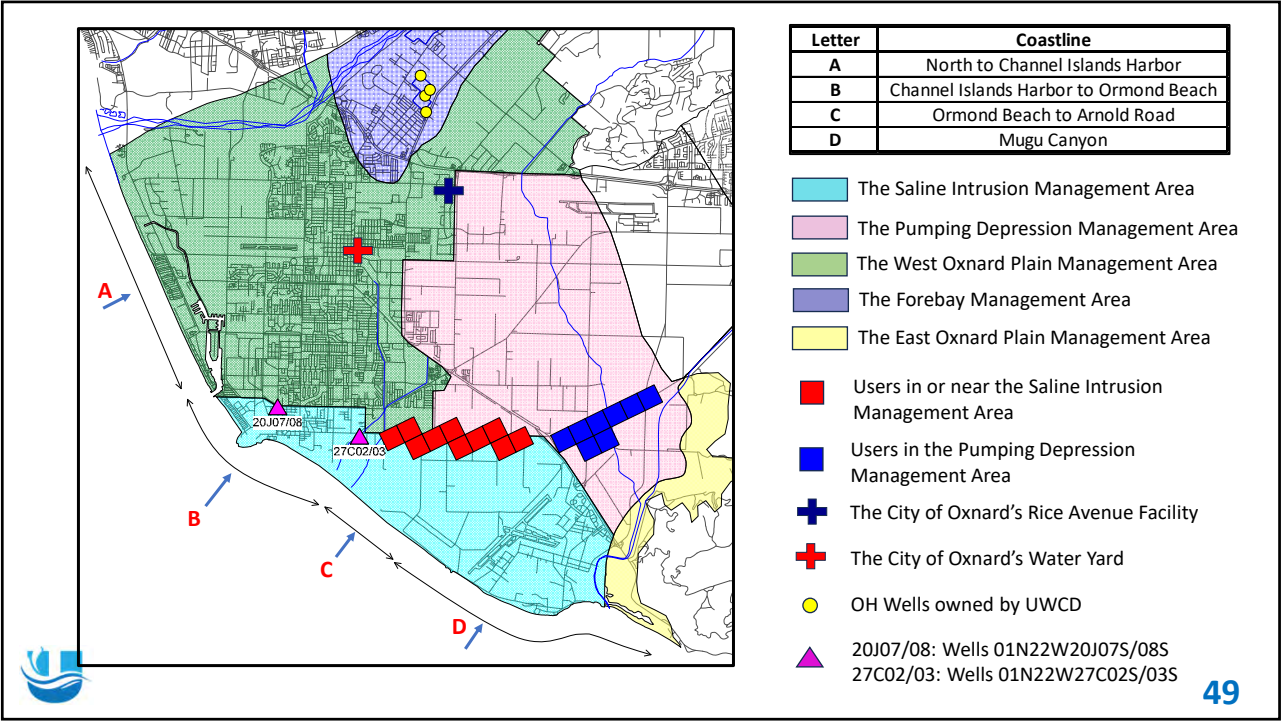
New Resolution in Preparation

- The City of Oxnard seeks
 - Annual delivery 1,000 acre-ft to agricultural users
 - Max extraction 3,000 acre-ft in **DRY YEARS**
 and with future expansion of Advanced Water Purification Facility (AWPF)
 - Annual delivery 2,000 acre-ft to agricultural users
 - Max extraction 6,000 acre-ft in **DRY YEARS**
- RWPA extraction occur at
City's Water Yard, City's Rice Ave. Facility, or OH wells
- United updated the RWPA impact analysis
 - United employs a numerical groundwater model.
 - FCGMA's **baseline GSP scenario** is based on the 1930-1979 hydrologic condition adjusted by 2070 climate factor – **no pumping cutback and no projects.**

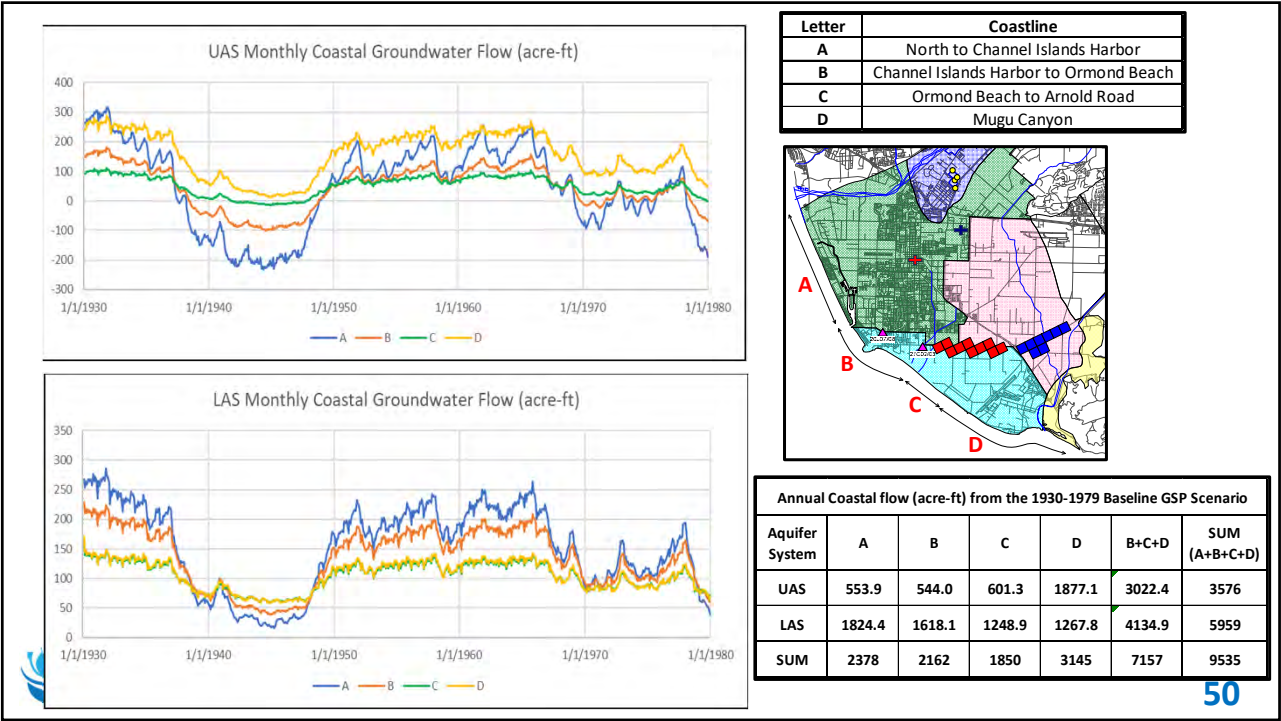


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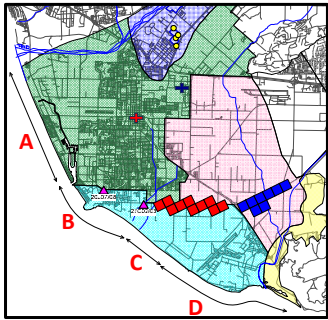
50

Coastal Groundwater Flow

Extraction: **3,000**
acre-ft/yr at:

- Water Yard
- Rice Ave Facility
- OH Wells

Annual Coastal flow (acre-ft) from the 1930-1979 Baseline GSP Scenario						
Aquifer System	A	B	C	D	B+C+D	SUM (A+B+C+D)
UAS	553.9	544.0	601.3	1877.1	3022.4	3576
LAS	1824.4	1618.1	1248.9	1267.8	4134.9	5959
SUM	2378	2162	1850	3145	7157	9535



P1						
Aquifer System	A	B	C	D	B+C+D	SUM (A+B+C+D)
UAS	74.0	29.7	-9.9	-72.4	-52.7	21
LAS	11.2	-16.8	-32.0	-41.9	-90.7	-80
SUM	85	13	-42	-114	-143	-58

P1R						
Aquifer System	A	B	C	D	B+C+D	SUM (A+B+C+D)
UAS	52.9	14.0	-12.4	-70.7	-69.2	-16
LAS	8.1	-17.7	-31.4	-41.1	-90.2	-82
SUM	61	-4	-44	-112	-159	-98

S1						
Aquifer System	A	B	C	D	B+C+D	SUM (A+B+C+D)
UAS	72.1	25.8	-16.8	-67.8	-58.8	13
LAS	4.2	-33.3	-54.1	-40.7	-128.0	-124
SUM	76	-8	-71	-108	-187	-111

P1F						
Aquifer System	A	B	C	D	B+C+D	SUM (A+B+C+D)
UAS	60.1	12.5	-15.3	-77.3	-80.1	-20
LAS	-1.6	-25.2	-34.2	-43.3	-102.7	-104
SUM	58	-13	-50	-121	-183	-124



Reduction in Groundwater Level in the Forebay

Scenario	Forebay Management Area						
	Areal Average Monthly Groundwater Level Drawdown (ft) over 50 Years			Cell-Based Monthly Groundwater Level Drawdown (ft) Over 50 Years			Impact
	Mean	Maximum	Standard Deviation	Mean	Maximum	Standard Deviation	
P1	0.52	1.64	0.42	0.81	2.30	0.62	I
S1	0.51	1.63	0.42	0.81	2.28	0.62	I
P1R	0.70	2.02	0.51	0.99	2.58	0.67	I
P1RC	0.61	1.83	0.46	0.89	2.40	0.64	I
P1F	1.11	3.17	0.78	1.63	4.58	1.18	II
P2	1.02	3.04	0.76	1.60	4.42	1.16	II
S2	1.01	3.01	0.75	1.59	4.37	1.15	II
P2R	1.38	3.73	0.92	1.95	4.89	1.25	II
P2RC	1.20	3.39	0.84	1.75	4.56	1.18	II
P2F	2.20	5.86	1.43	3.24	8.53	2.21	III



Conclusions

- The RWPA program has a net benefit in reducing the coastal seawater flow.
- Extraction at 3,000 acre-ft/yr in dry years has minimal impact on the Forebay groundwater elevation except extracting in the Forebay.
- Extraction at 6,000 acre-ft/yr in dry years has moderate to significant impact on the Forebay groundwater elevation.
- FCGMA and the City of Oxnard is preparing a new resolution based on the updated RWPA impact analysis and monitoring plan.



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Questions / Comments




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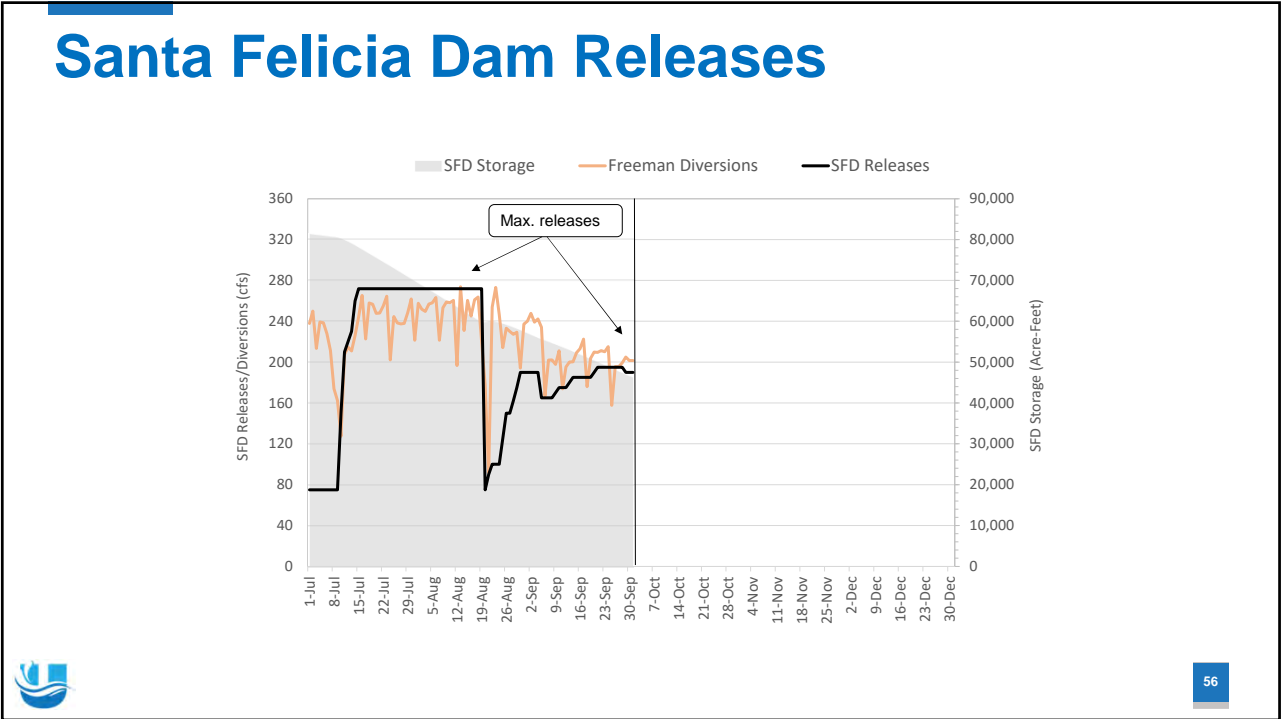


UPDATE ON RESERVOIR RELEASES AND STATE WATER PURCHASES

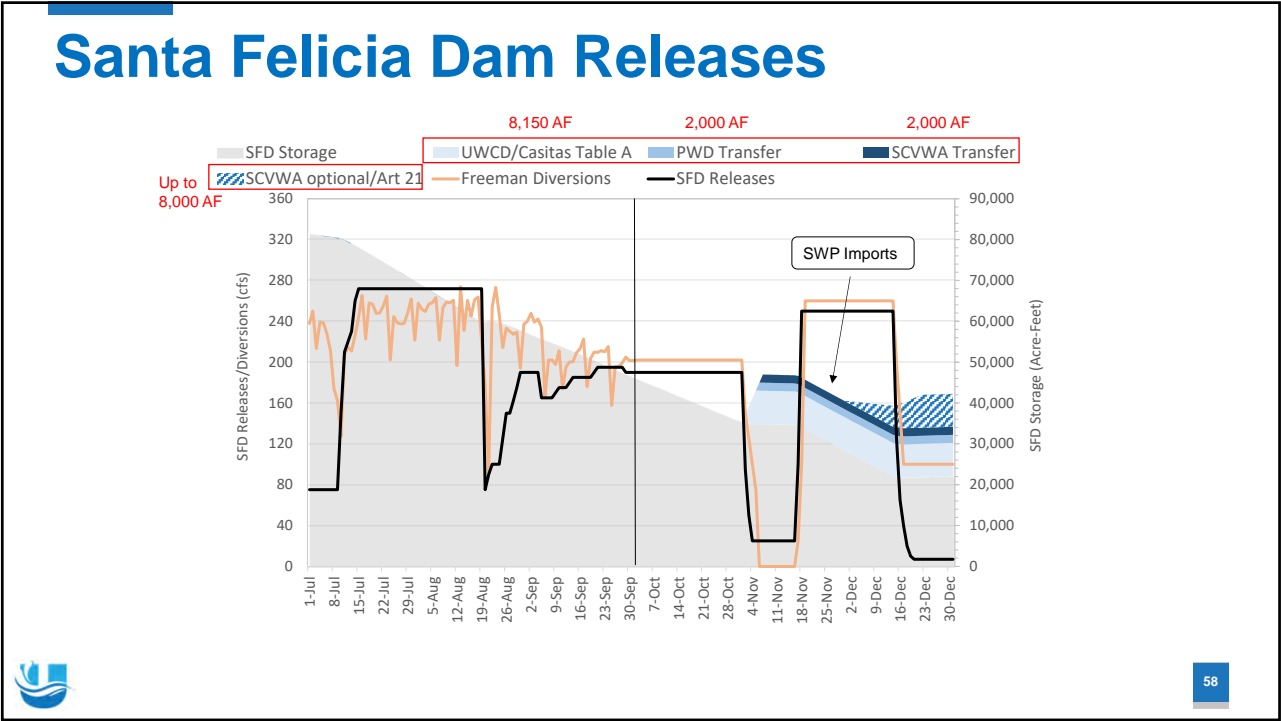
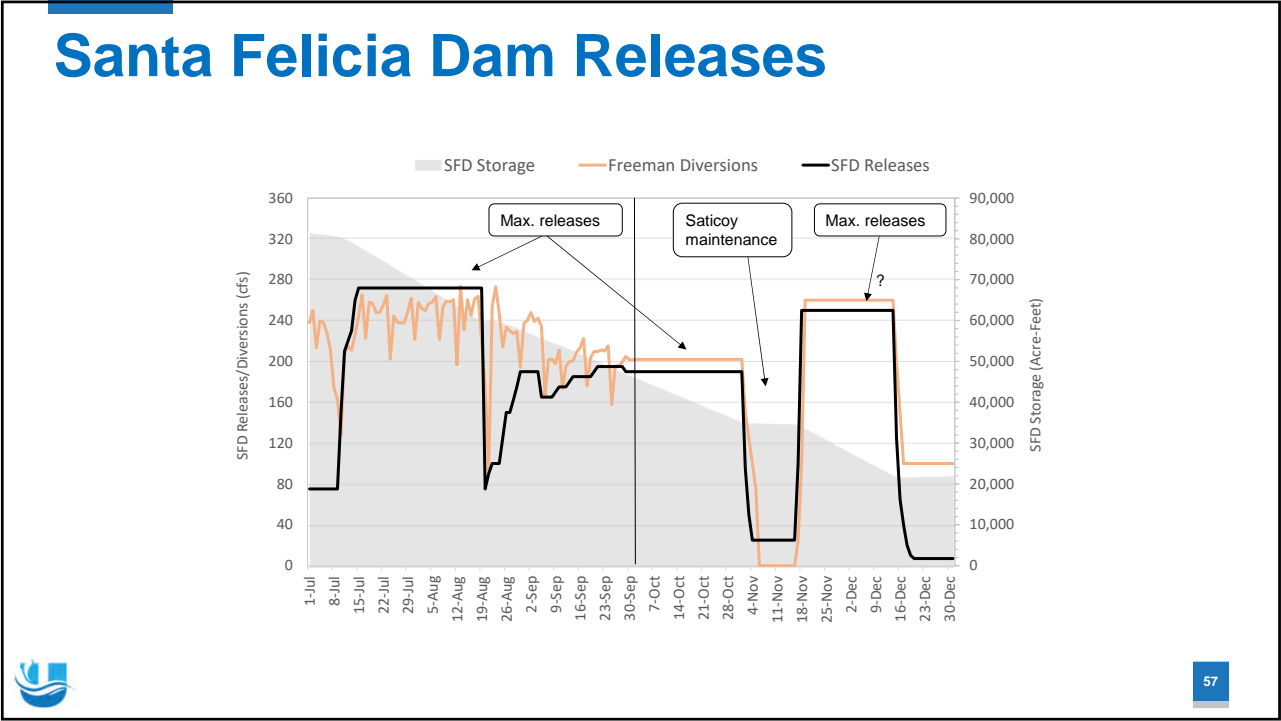
Presented by: Bram Sercu, PhD, Senior Hydrologist
UWCD Board of Directors Meeting
October 11, 2023



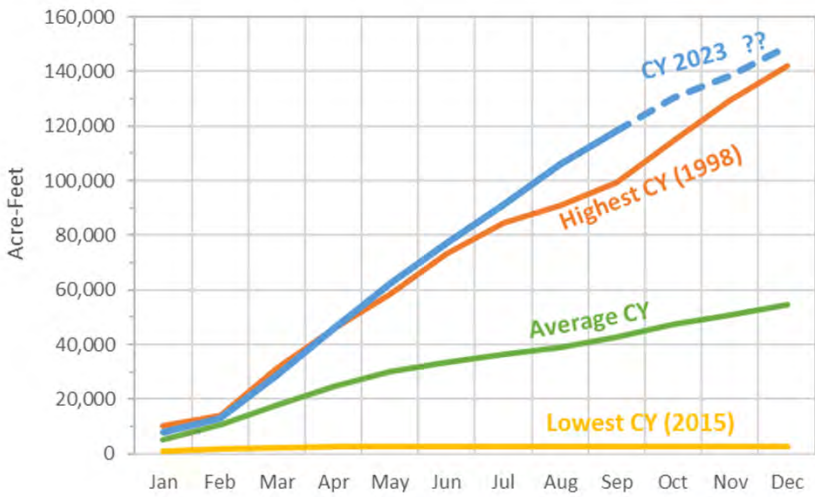
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2023 Diversion Forecast



Questions?



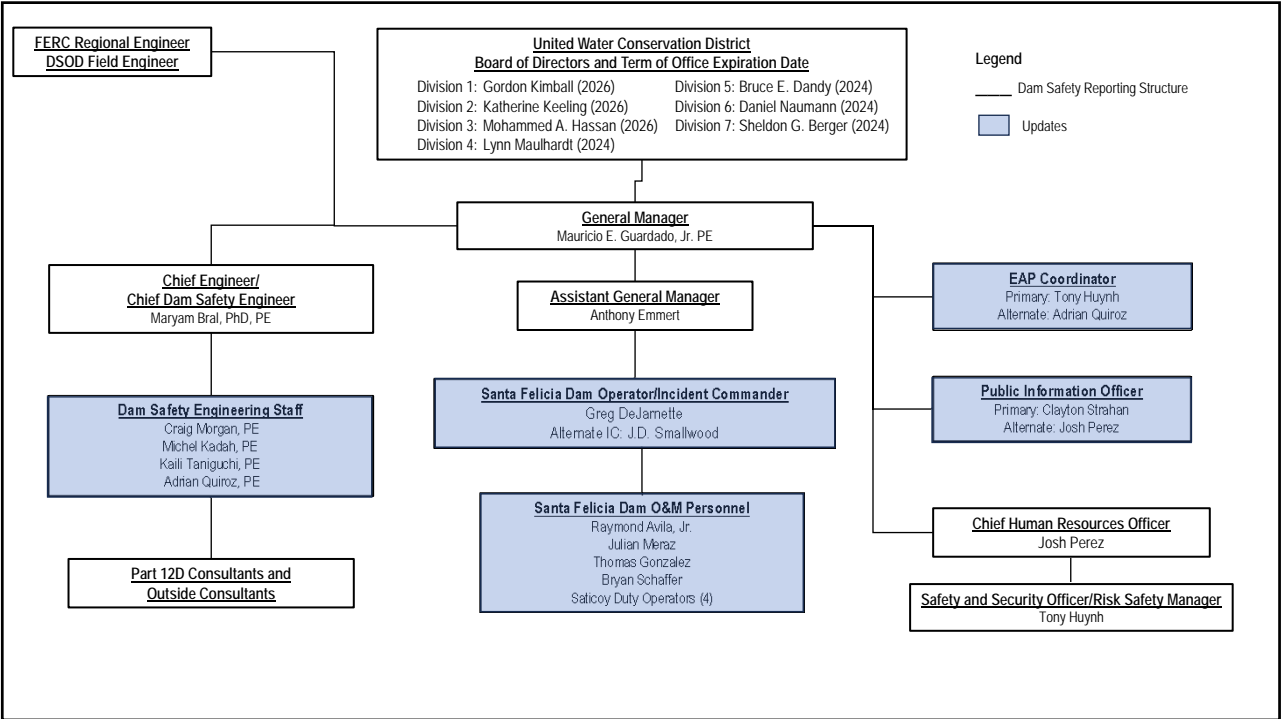
Regulatory Compliance

Resolution 2023-15 Adopting the Revised ODSP Document – October 2023


5.1 A Resolution of the United Water Conservation District Board of Directors Adopting the Revised Owner’s Dam Safety Program




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QUESTIONS





Staff Report

To: UWCD Board of Directors

Through: Mauricio E. Guardado, Jr., General Manager
John Lindquist, Water Resources Supervisor
Maryam Bral, Chief Engineer

From: Kathleen Kuepper, Hydrogeologist
Bram Sercu, Senior Hydrologist

Date: November 2, 2023 (November 8, 2023 Meeting)

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

Staff Recommendation:

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

Summary:

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

Activity	Amount (acre-feet)
Total Diversions at Freeman Diversion	10,946
Lloyd-Butler Mutual Water Company surface water use	NA
Recharge to Saticoy basins (metered + unmetered)	5,141
Recharge to Noble and Rose basins	1,186
Recharge to El Rio basins	2,591
Total Ag Pipeline Deliveries of water diverted at Freeman	2,028
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 October 2023

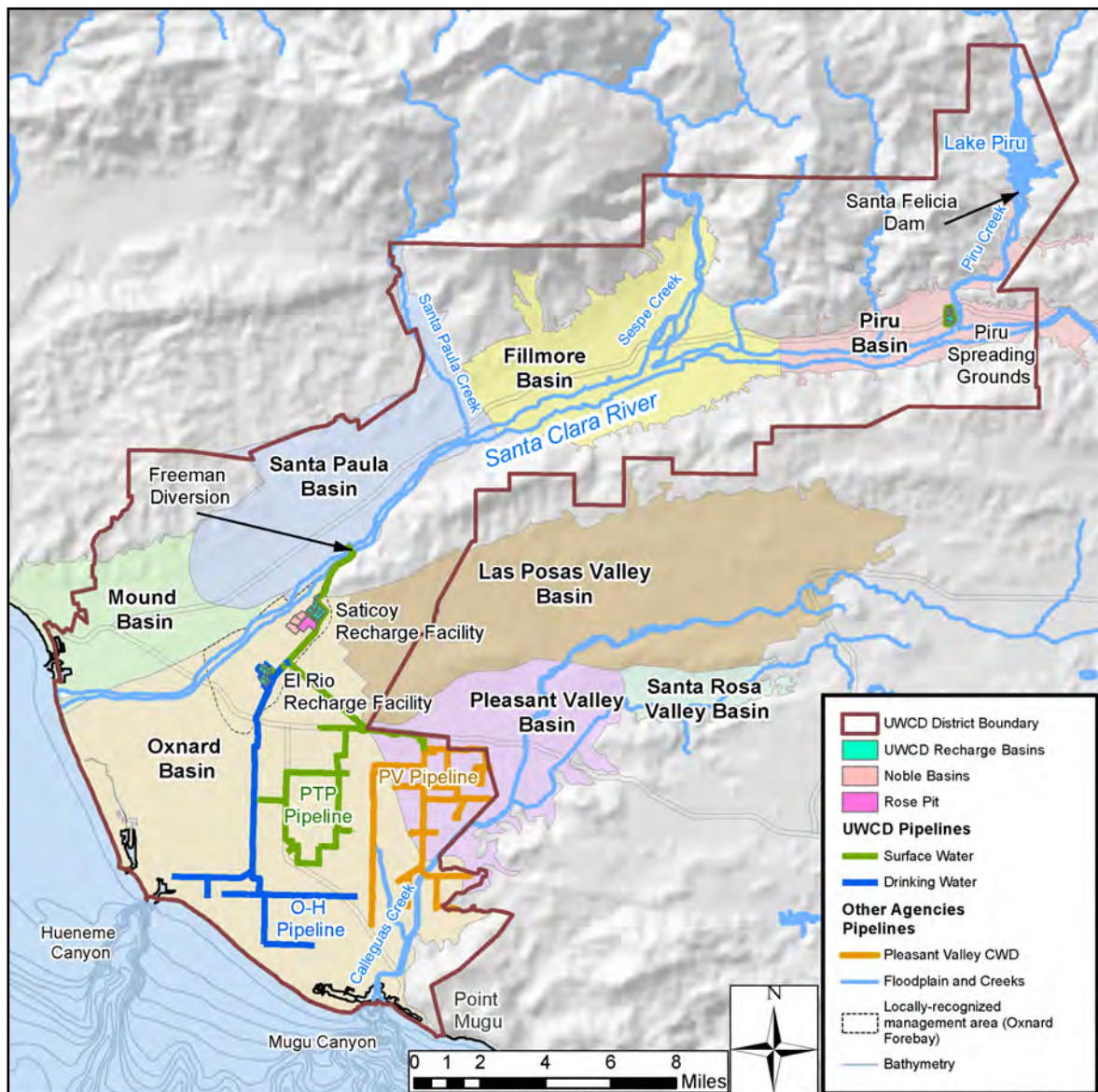
Basin	Available Storage (acre-feet)
Oxnard Forebay	21,200

Precipitation for Month of October 2023

Location	Precipitation (inches)
Lake Piru	0.00
Santa Paula	0.05
El Rio	0.00

October 2023 Hydrologic Conditions Report 2023/24 Water Year

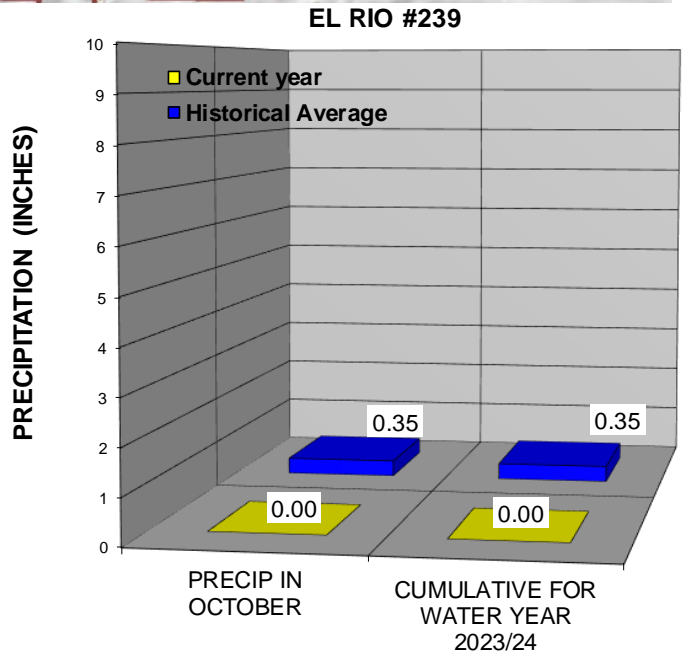
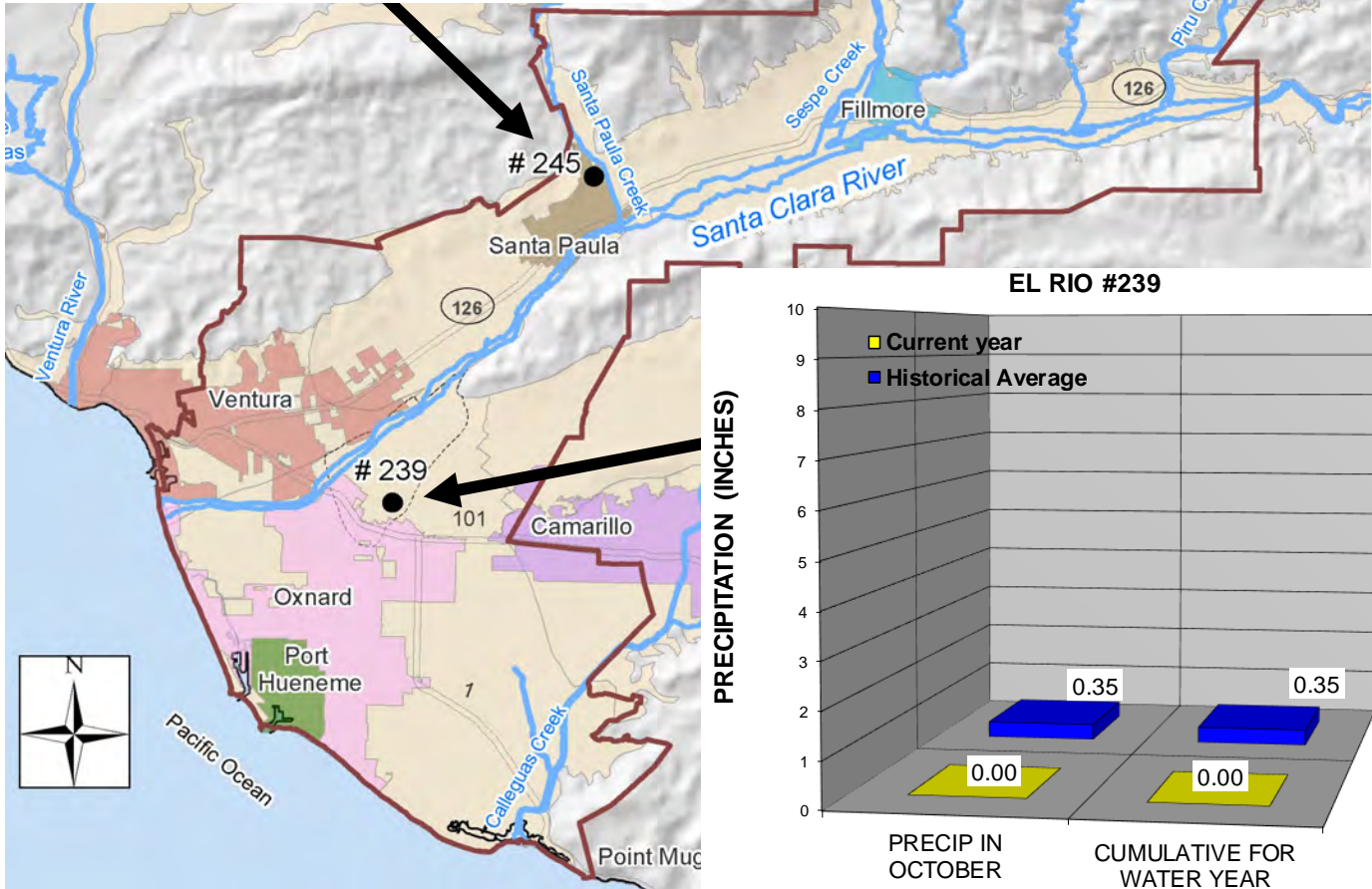
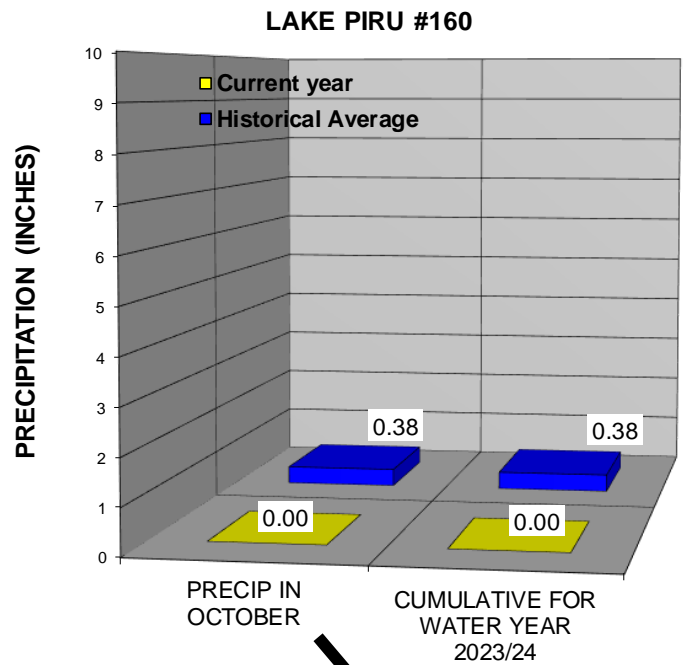
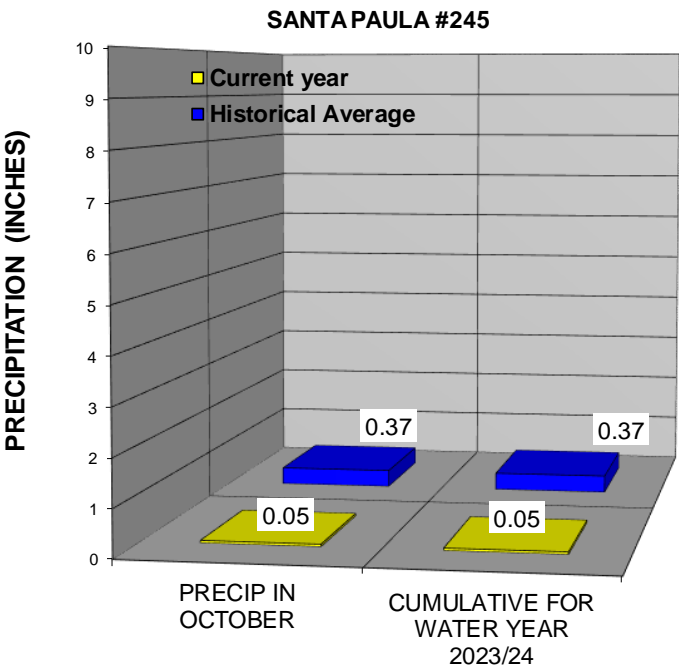
November 2, 2023



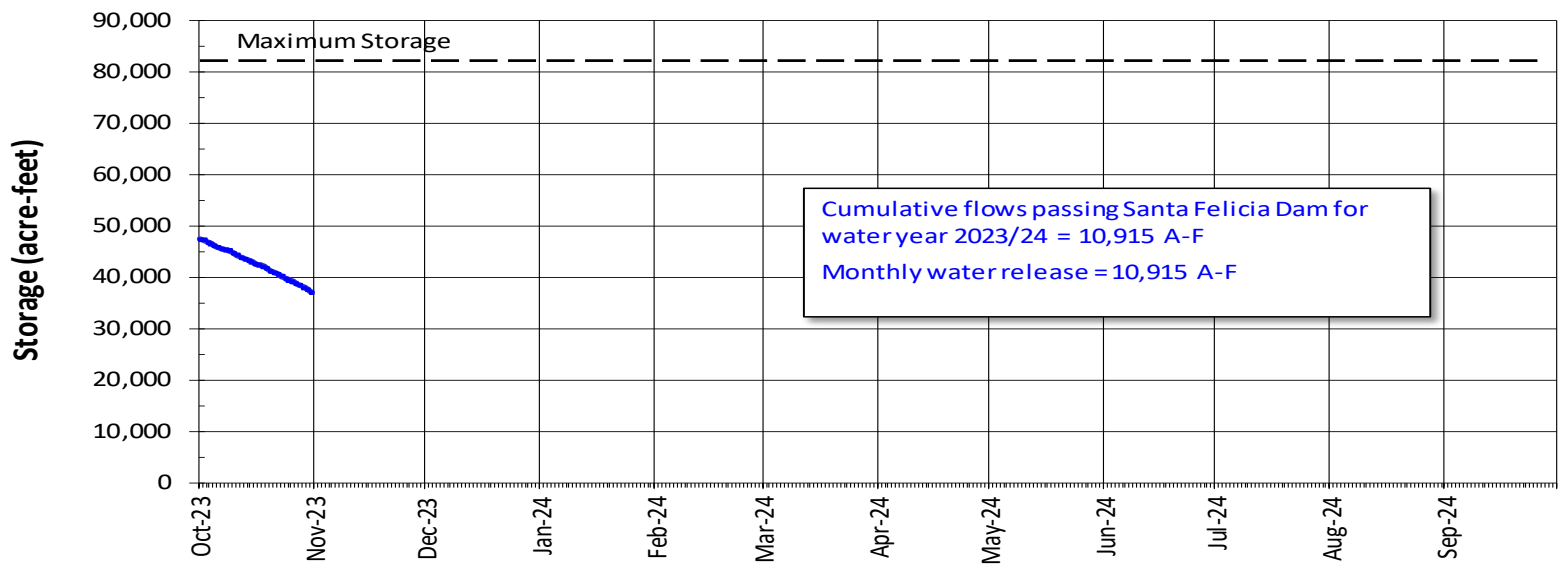
Note: This report may contain provisional data until final review at the end of the water year.

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Precipitation

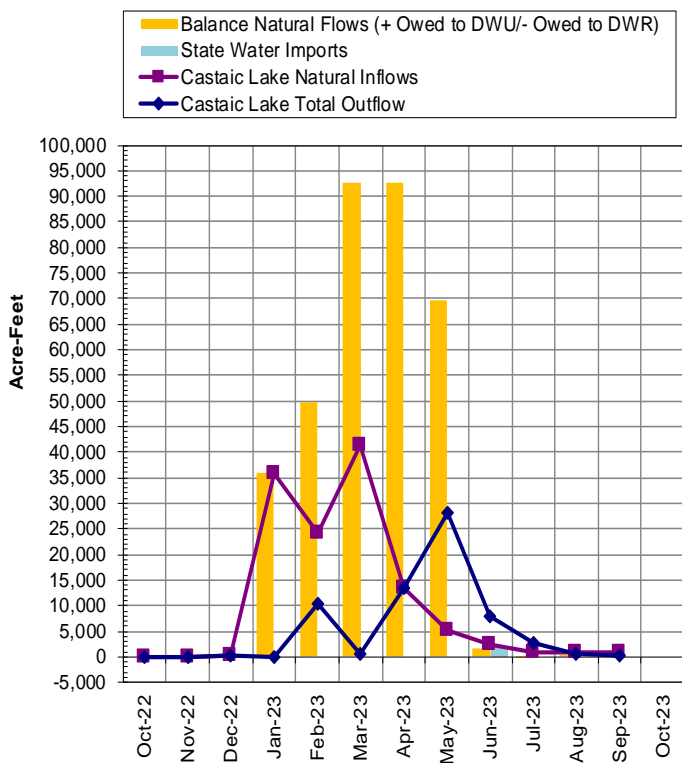


District-wide percent of normal precipitation = NA

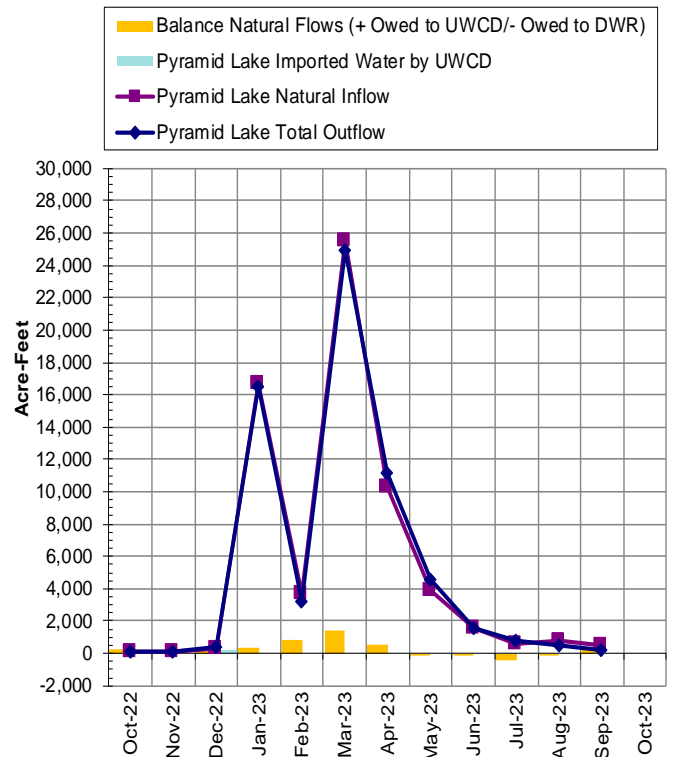


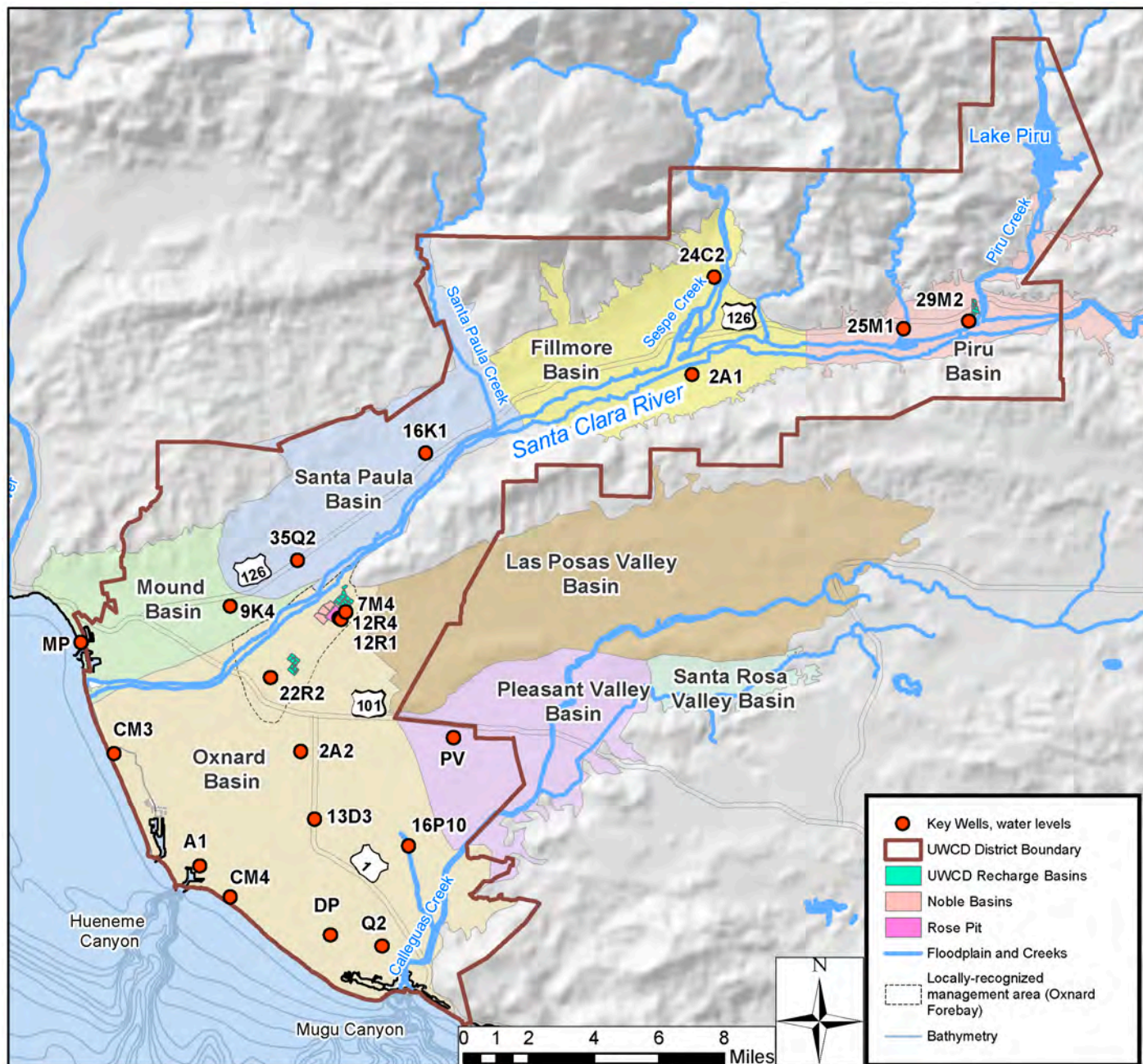
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0											
Cumulative Hydro Plant Outflow (A-F)	0											

Castaic Lake releases to downstream water users (DWU)



Pyramid Lake releases to UWCD

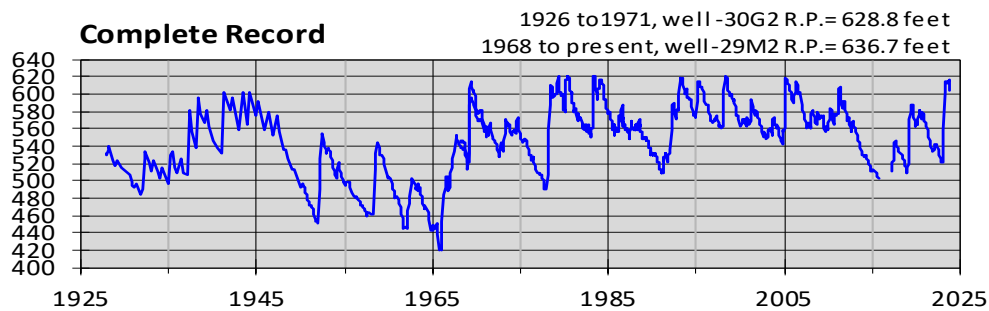
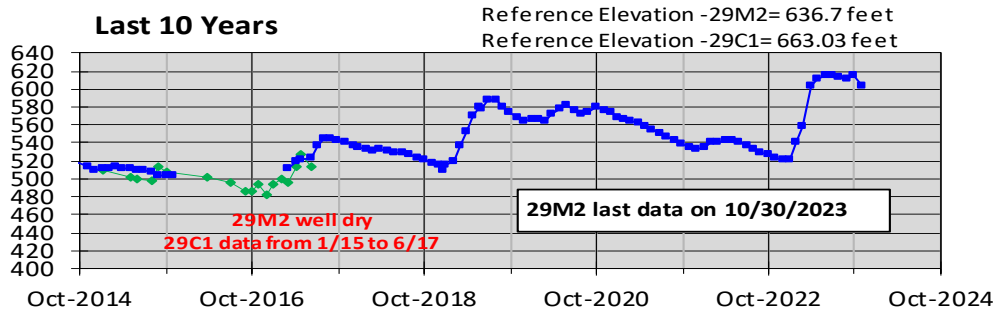




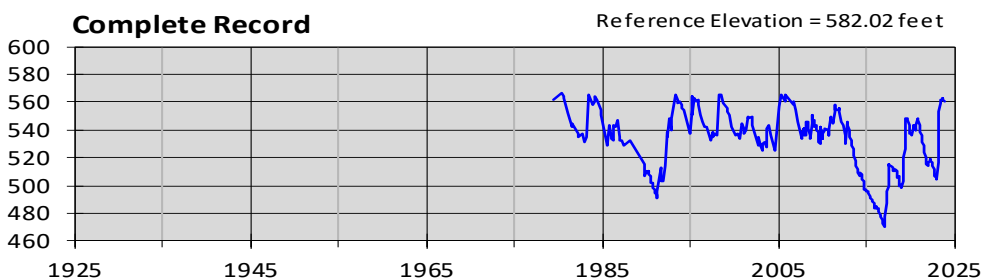
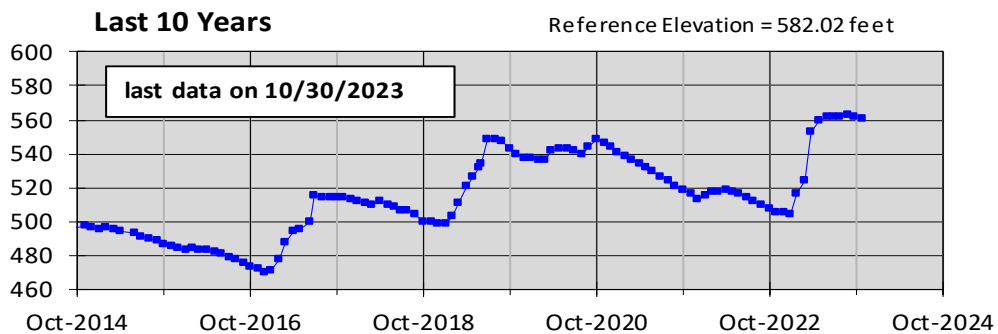
Locations of Key Wells, Monthly Groundwater Elevation Monitoring

Groundwater Elevation Records – Piru Basin

Well 04N18W29M02S (29M2)



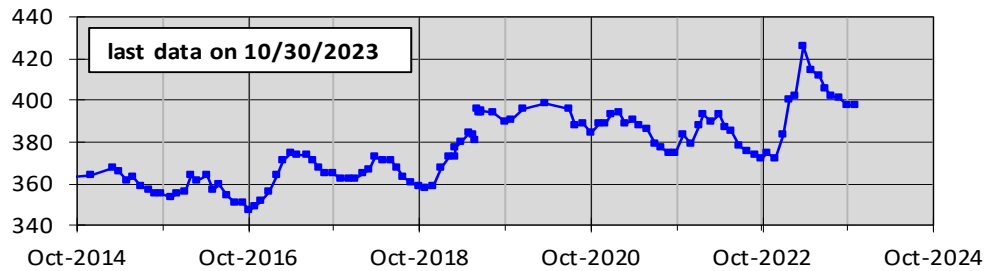
Well 04N19W25M01S (25M1)



Groundwater Elevation Records – Fillmore Basin

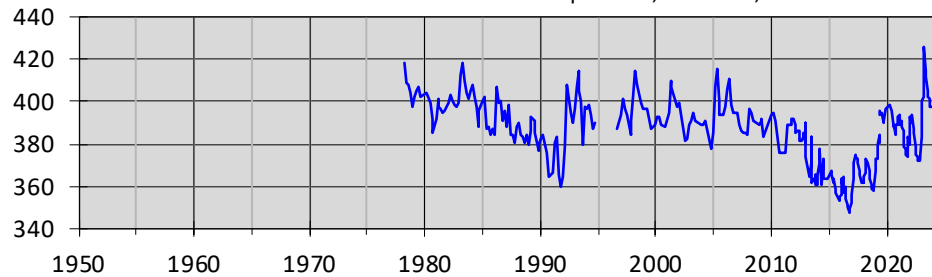
Well 04N20W24C02S (24C2)

Last 10 Years



Complete Record

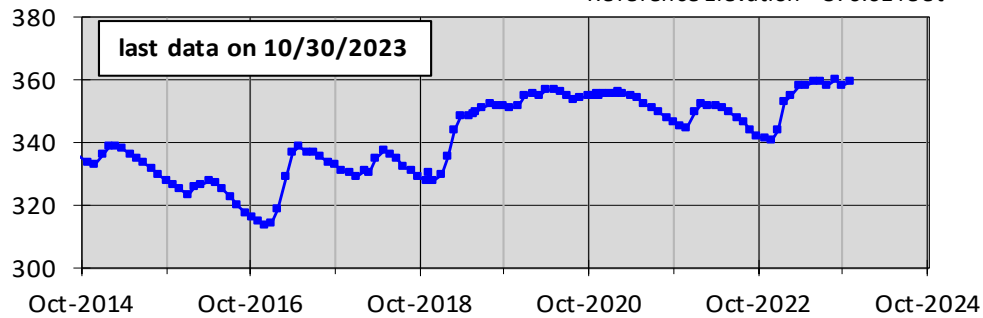
1978 to 2014, well 23Q2, R.P. = 513.99 feet
 2015 to 2019, well 23N1, R.P. = 559.00 feet
 2019 to present, well 24C2, R.P. = 497.02 feet



Well 03N20W02A01S (2A1)

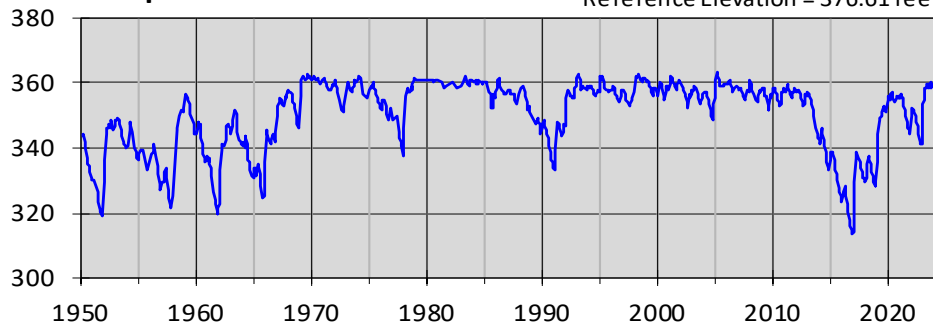
Last 10 Years

Reference Elevation = 376.61 feet

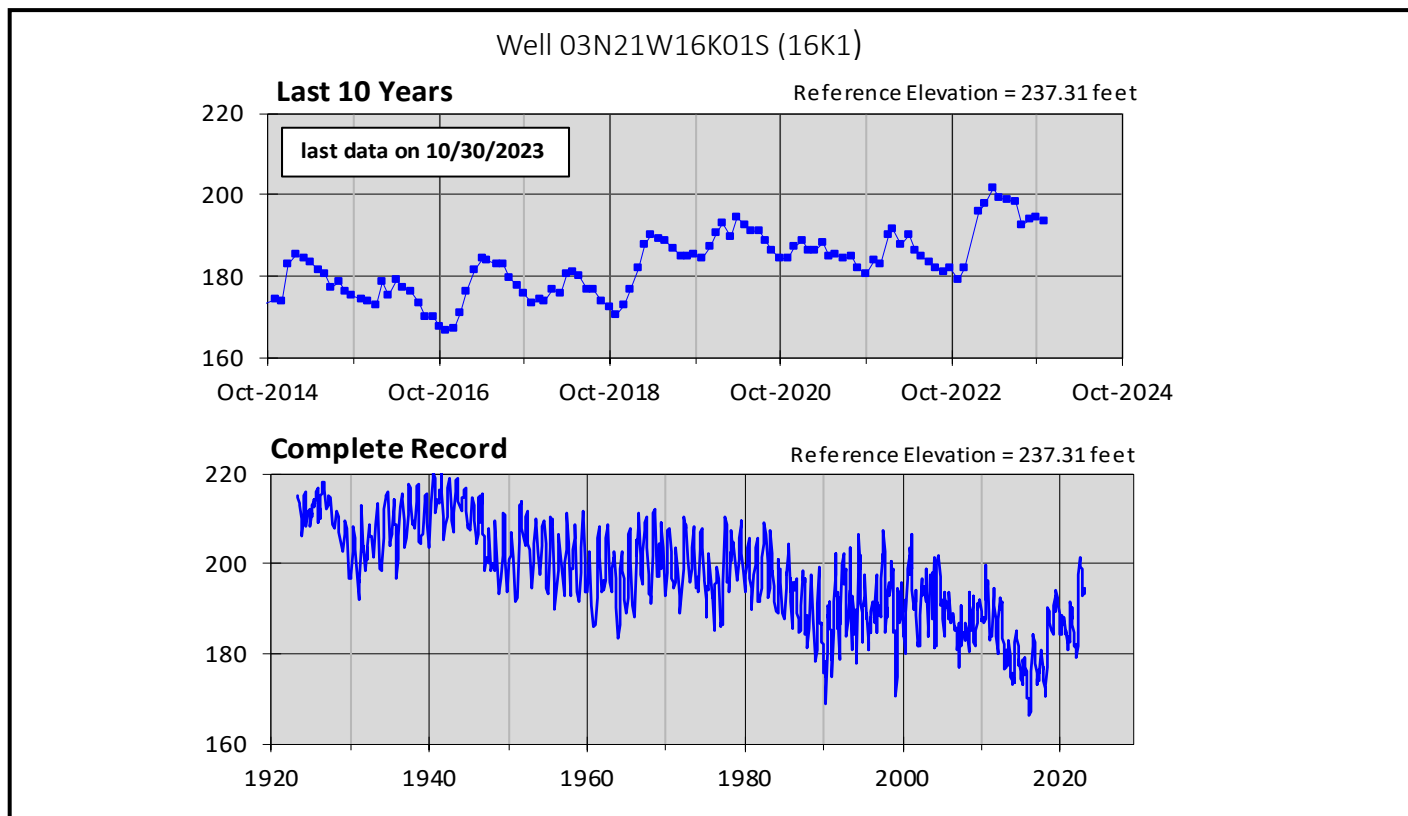


Complete Record

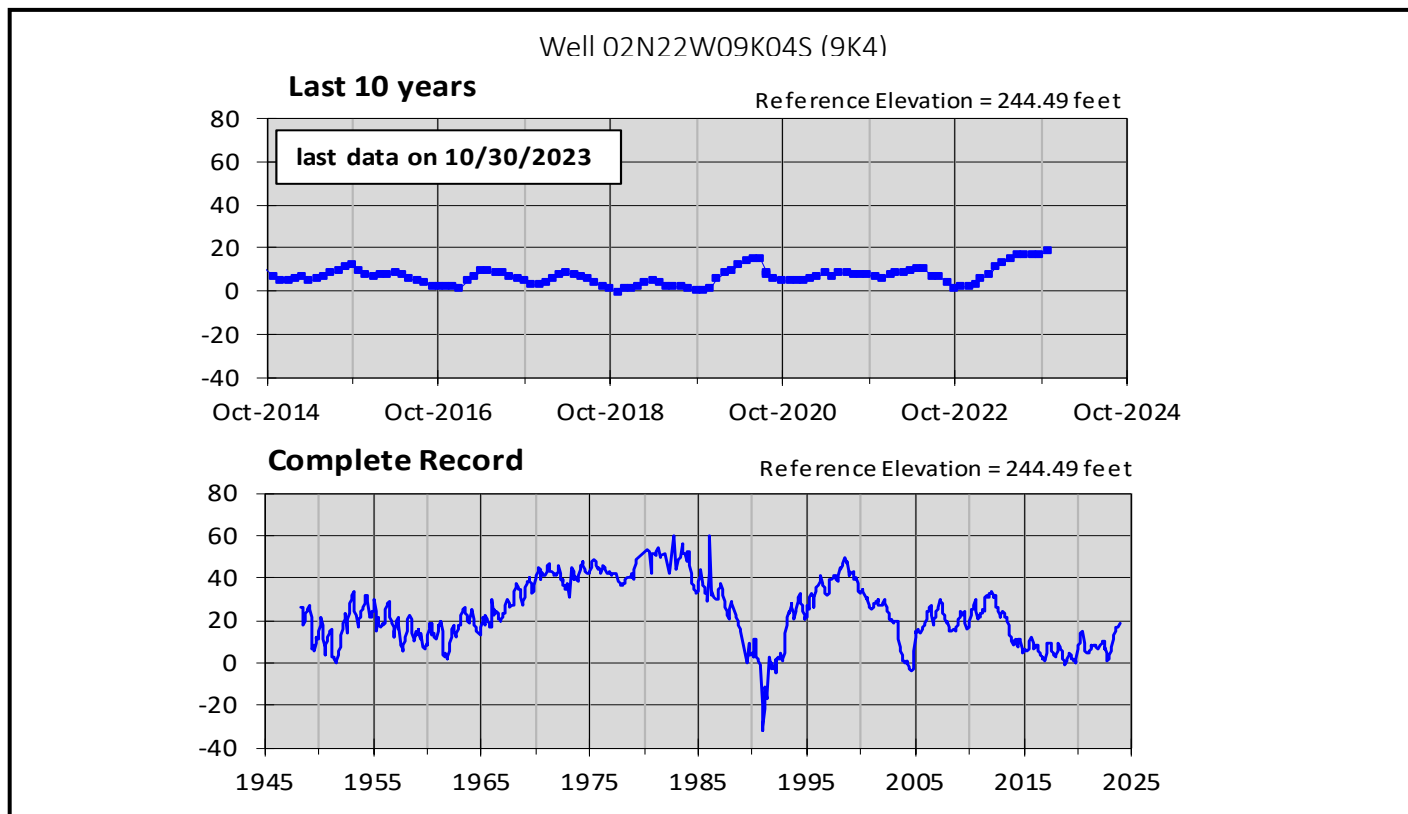
Reference Elevation = 376.61 feet



Groundwater Elevation Records – Santa Paula Basin



Groundwater Elevation Records – Mound Basin

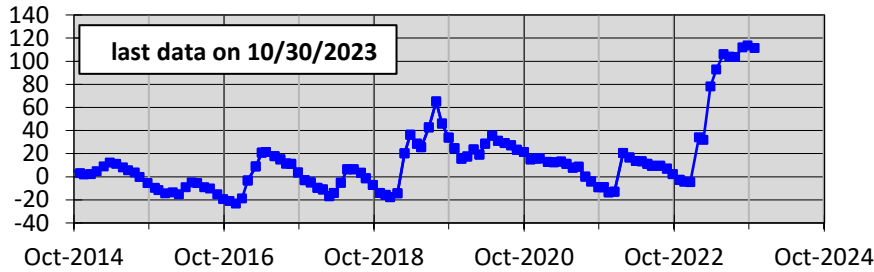


Groundwater Elevation Records – Oxnard Basin, Forebay

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

Last 10 Years

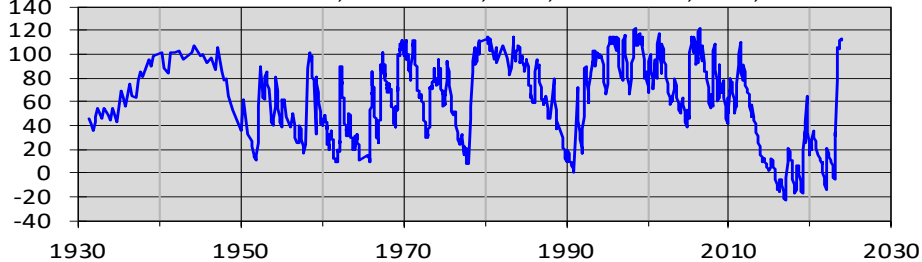
-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft



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

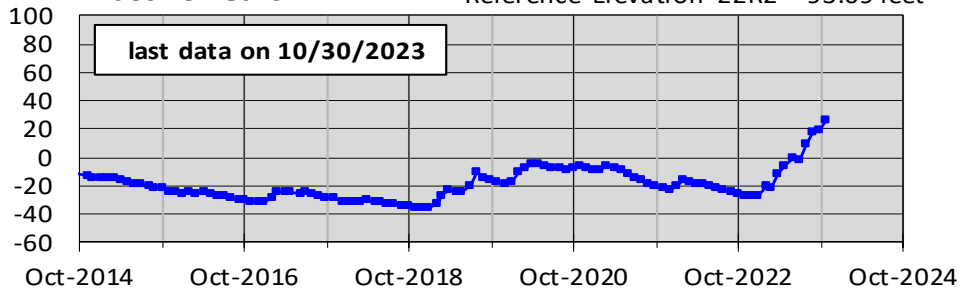


Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

Well 02N22W22R02S (22R2)

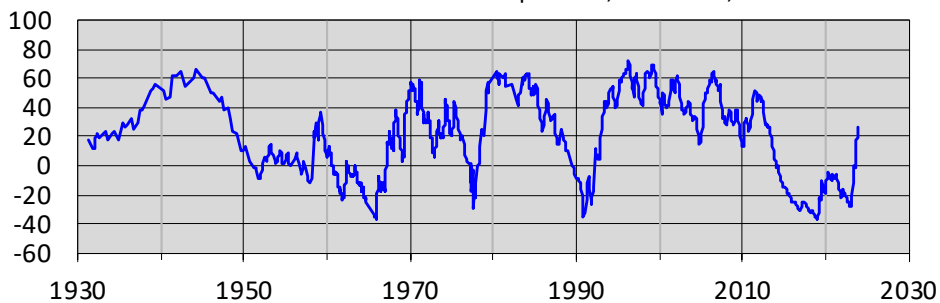
Last 10 Years

Reference Elevation -22R2 = 93.09 feet



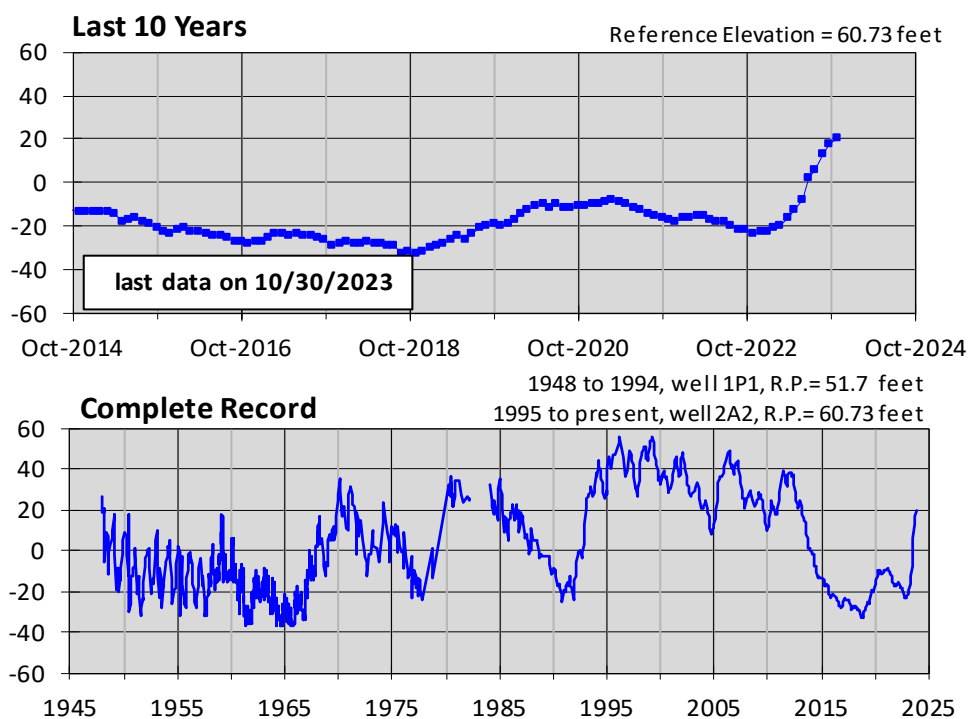
Complete Record

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

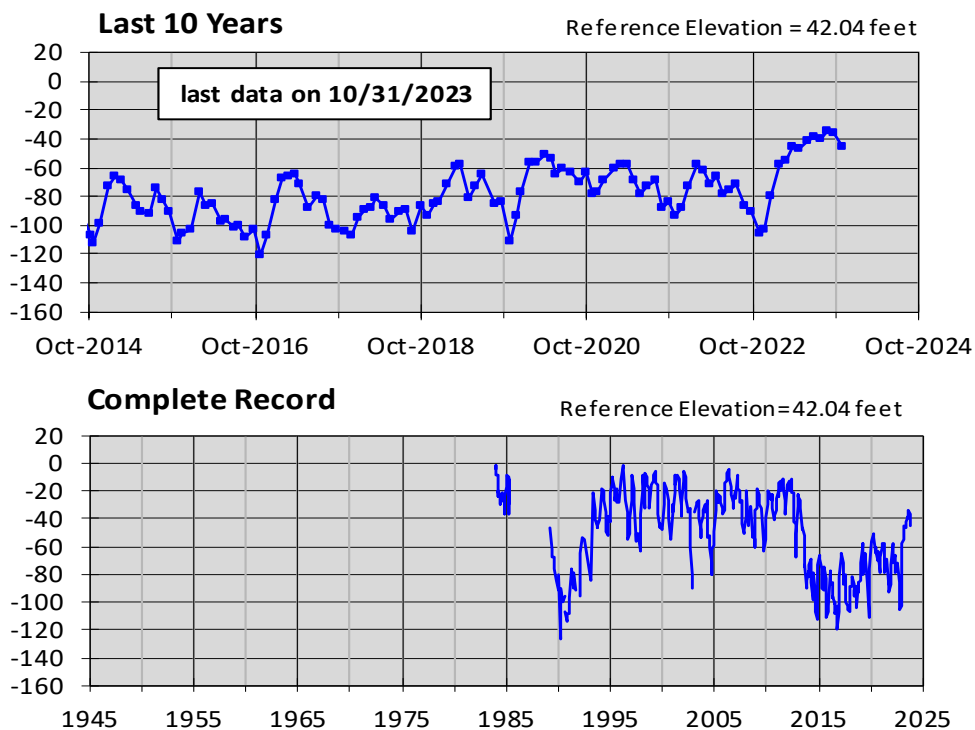


Groundwater Elevation Records – Oxnard Basin

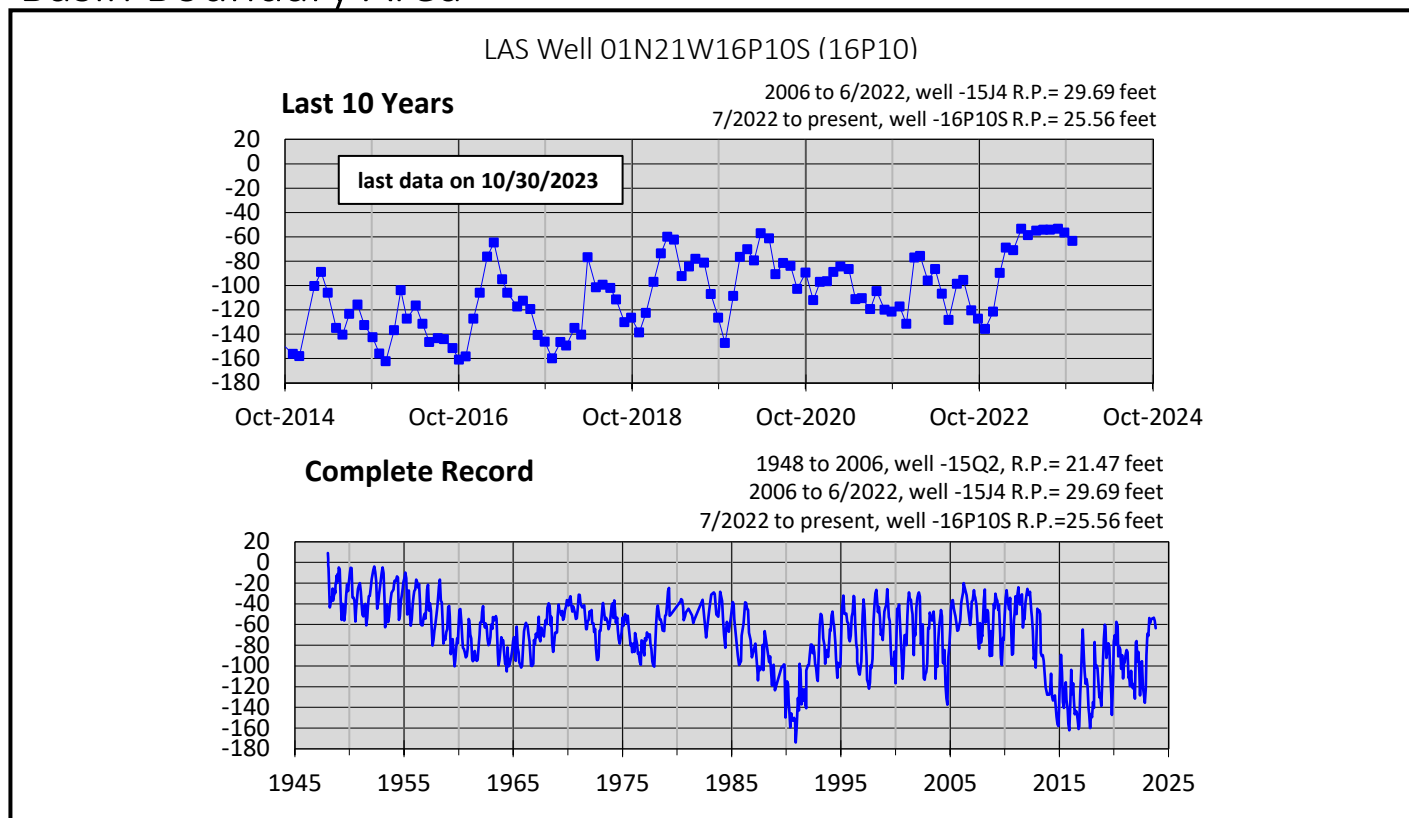
UAS Well 01N22W02A02S (2A2)



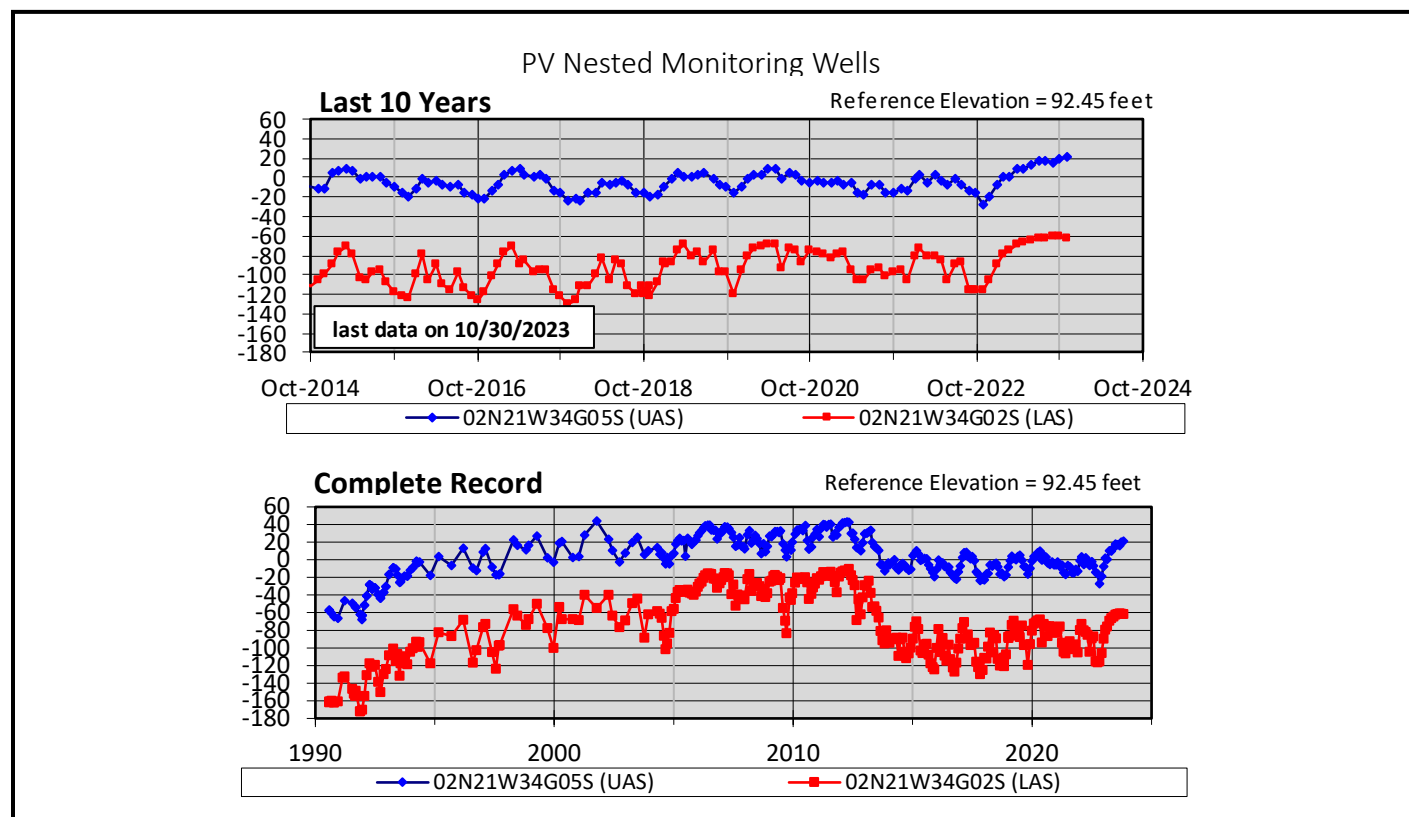
LAS well 01N22W13D03S (13D3)



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

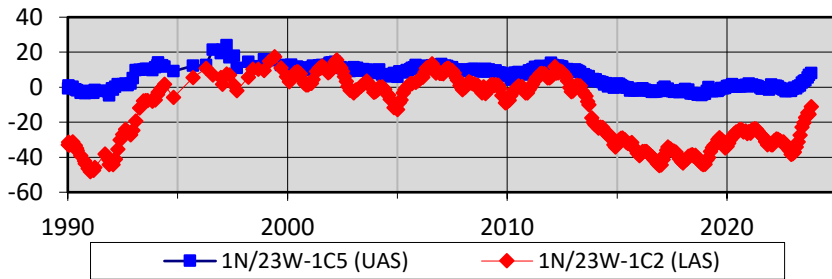


Groundwater Elevation Records – Pleasant Valley Basin

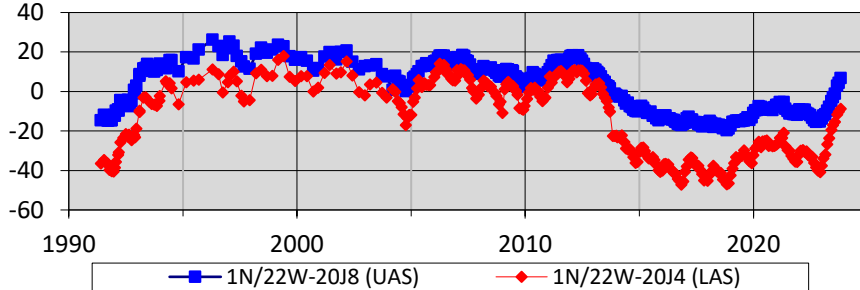


Groundwater Elevation Records – Coastal Nested Monitoring Wells

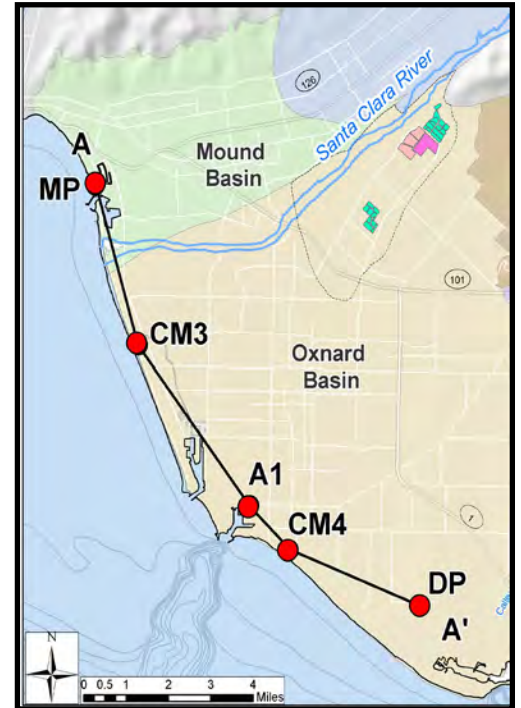
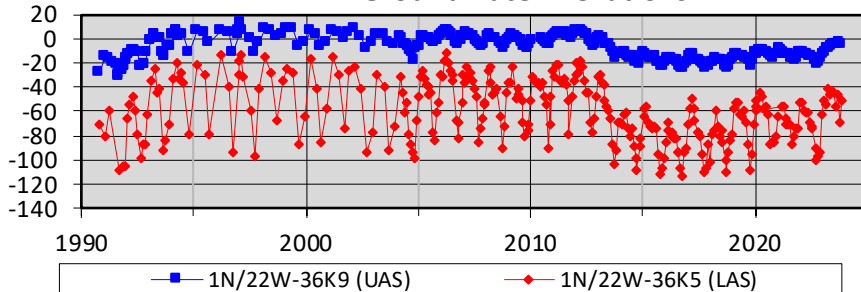
CM3 Groundwater Elevations



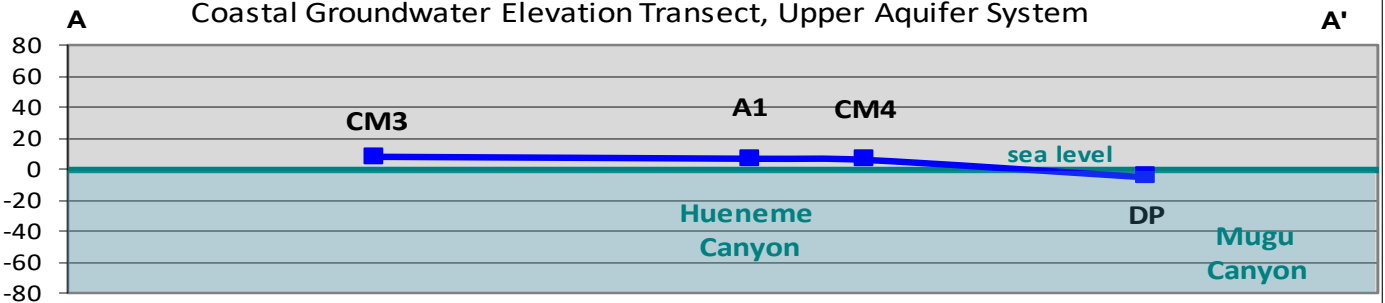
A1 Groundwater Elevations



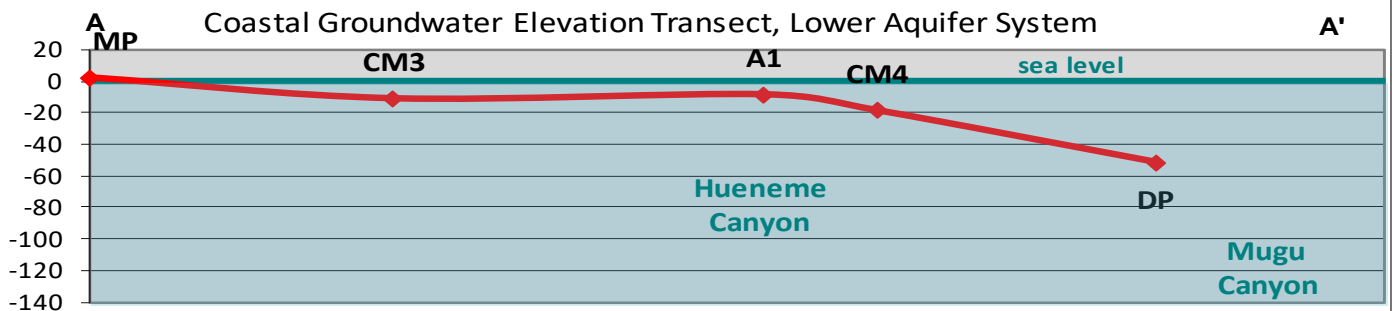
DP Groundwater Elevations



Coastal Groundwater Elevation Transect, Upper Aquifer System



Coastal Groundwater Elevation Transect, Lower Aquifer System



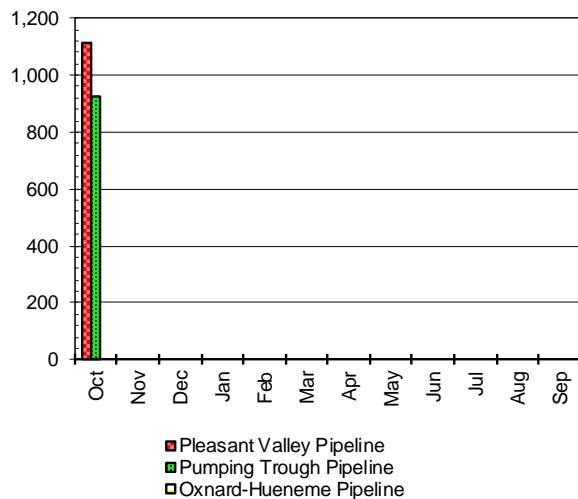
Monthly Water Deliveries, acre-feet (Water Year 2023/24)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	1,114.2											
PV Pipeline (Saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	1,114.2											
PTP (surface water)	913.9											
PTP (PTP 1-5)	10.5											
PTP (OH-12/13)	0.0											
PTP (Saticoy well field)	0.0											
Total PTP	924.4											
C-customers (surface water)	0.0											
Saticoy Well Field (groundwater)	0.0											
O-H Pipeline (groundwater)	0.0											
Total Surface Water Delivery (PTP, PV, c-cust)	2,028.1											
Total Groundwater Delivery (PTP, OH, Sat)	10.5											
Total Delivery (surface water, groundwater)	2,038.6											

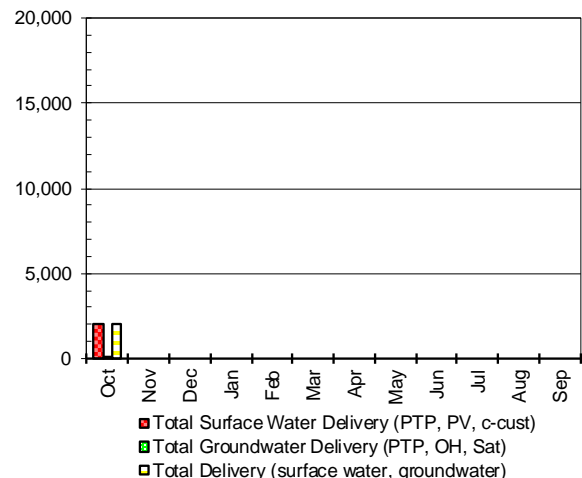
Cumulative Water Deliveries, acre-feet (Water Year 2023/24)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	1,114.2											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	1,114.2											
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PTP (OH-12/13)	0.0											
PTP (Saticoy well field)	0.0											
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Saticoy Well Field (groundwater)	0.0											
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Total Groundwater Delivery (PTP, OH, Sat)	10.5											
Total Delivery (surface water, groundwater)	2,038.6											

Cumulative deliveries by system



Cumulative deliveries by source/type



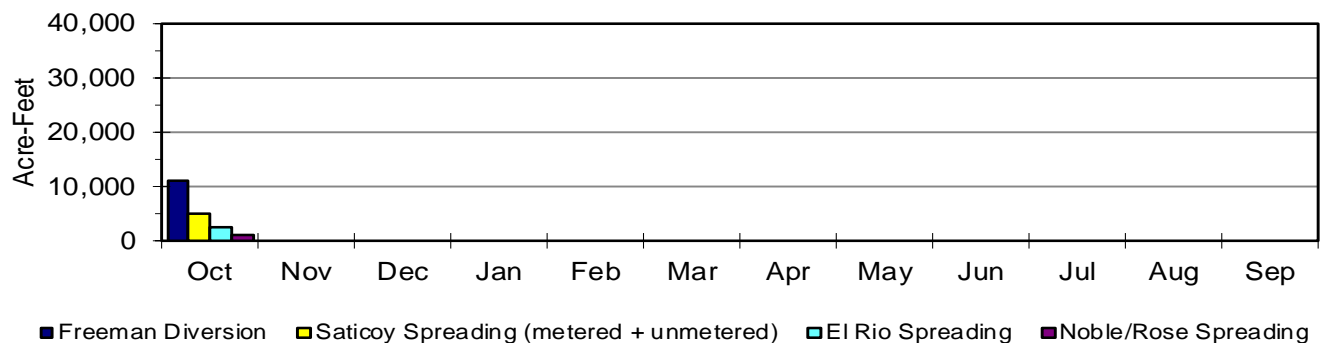
Monthly diversion and recharge totals by facility, 2023/24, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble/Rose Spreading	LBMWC Water Use
Oct	0	10,946	5,141	2,591	1,186	NA
Nov						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

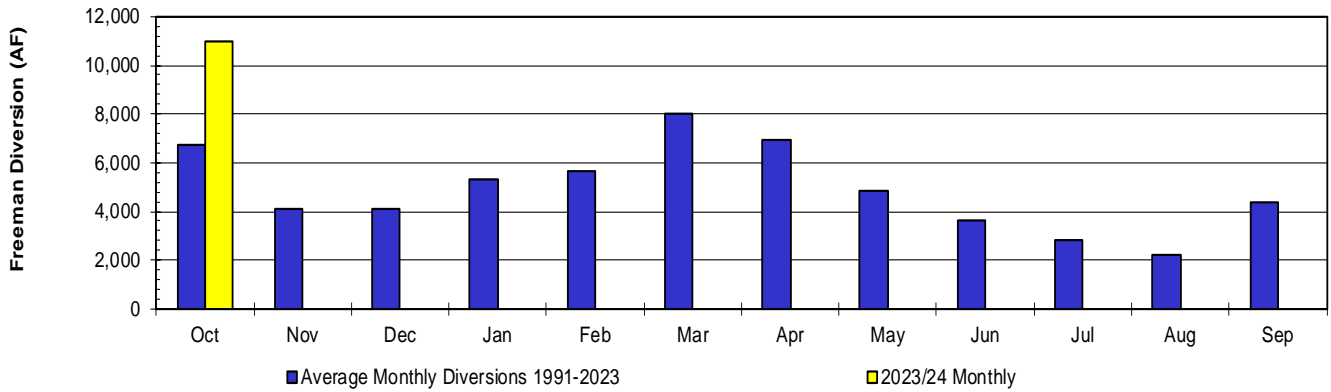
Cumulative diversion and recharge totals by facility, 2023/24, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble/Rose Spreading	LBMWC Water Use
Oct	0	10,946	5,141	2,591	1,186	NA
Nov						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

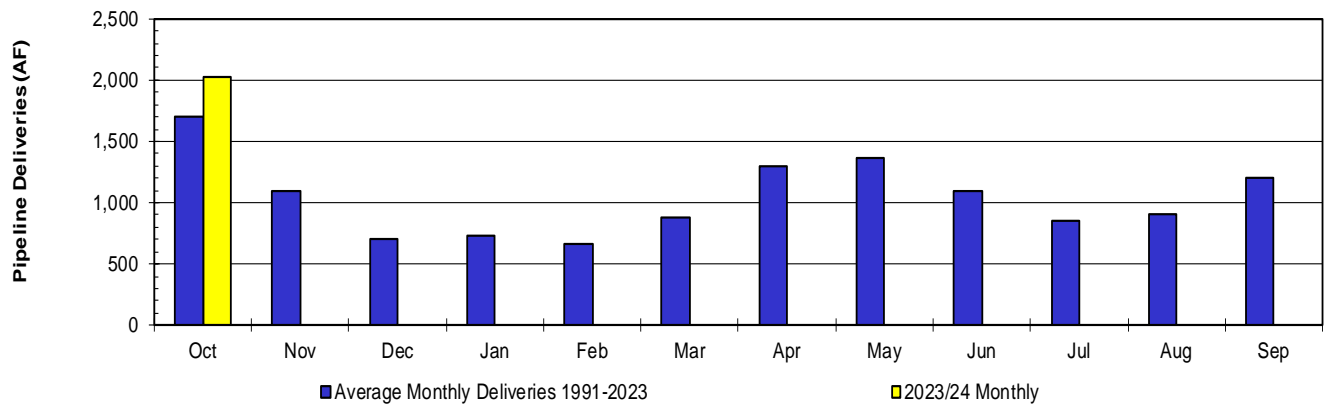
Cumulative diversion at Freeman, and distribution to recharge facilities



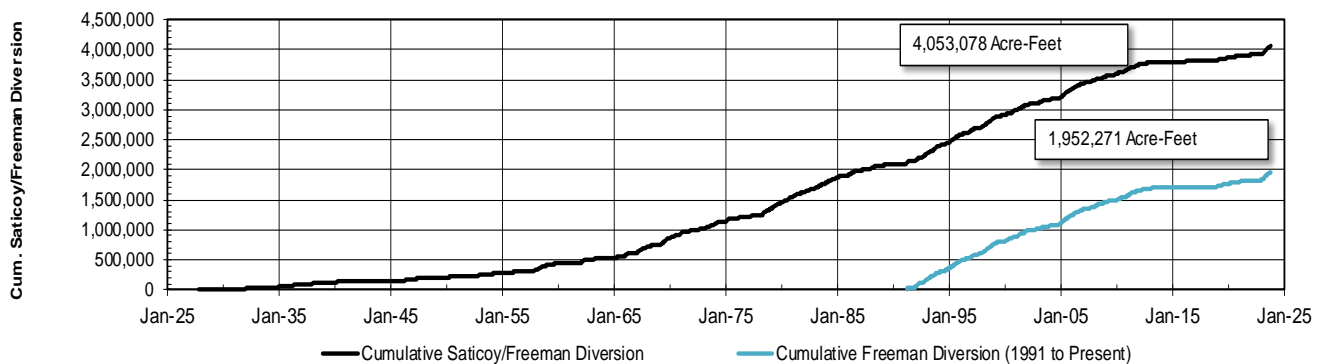
Monthly 2023/24 diversion at Freeman,
compared to average monthly diversions (1991-2023)



Monthly 2023/24 pipeline deliveries (surface water deliveries),
compared to average monthly pipeline deliveries (1991-2023)

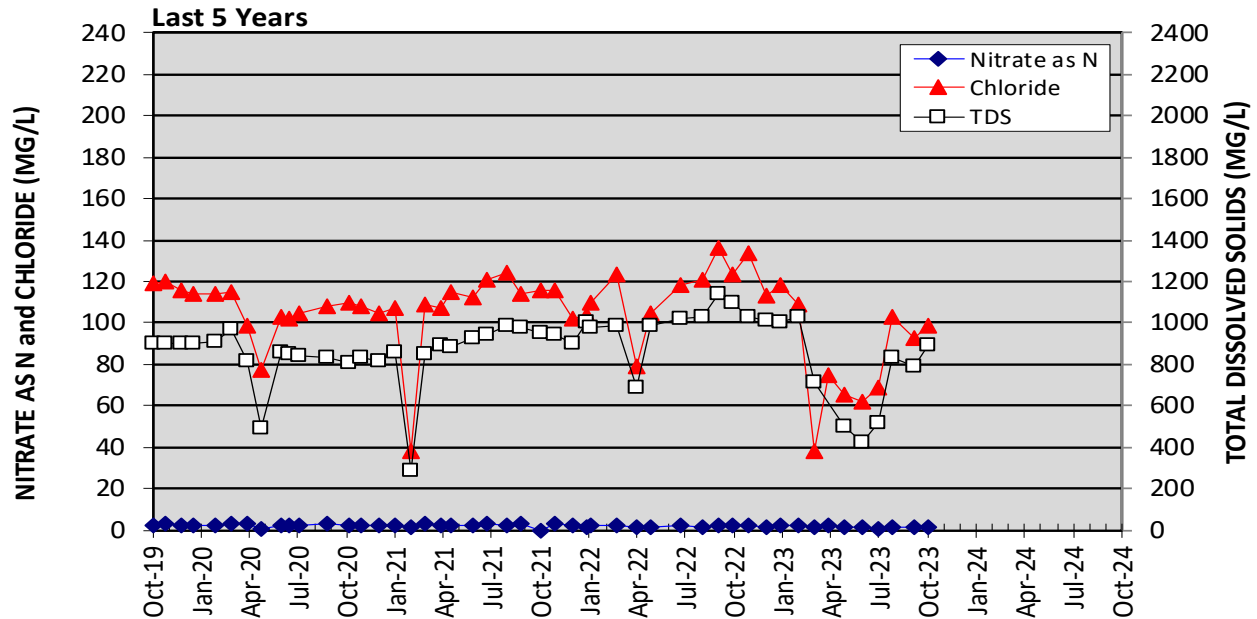


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

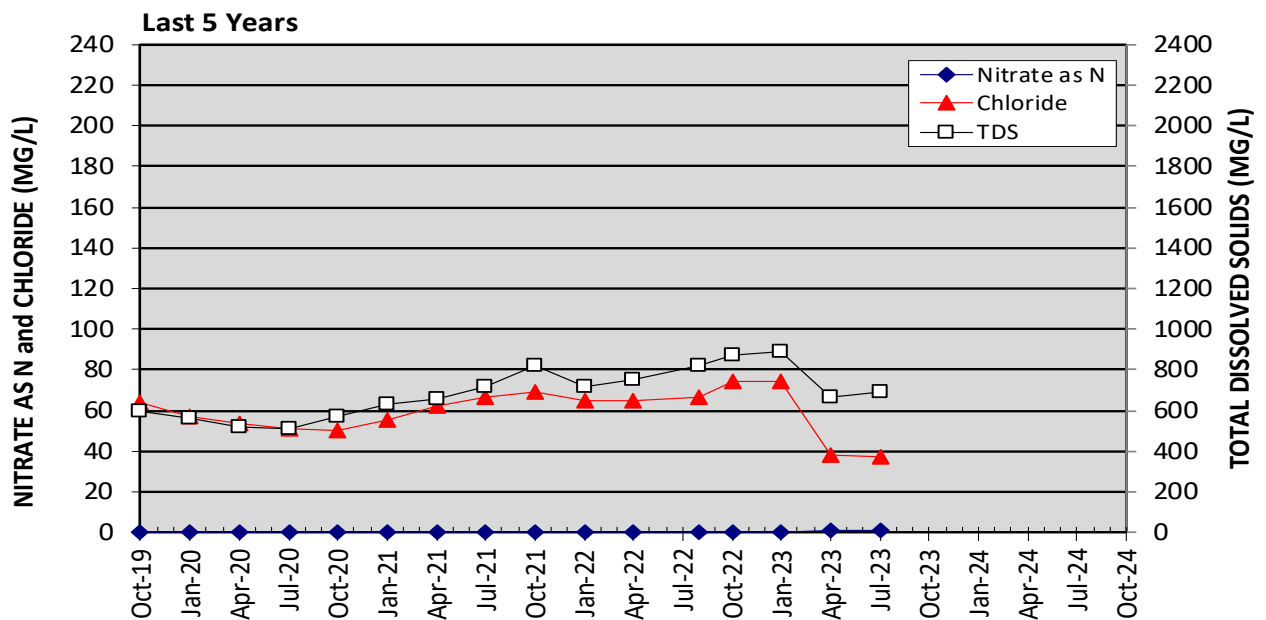


Water Quality

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

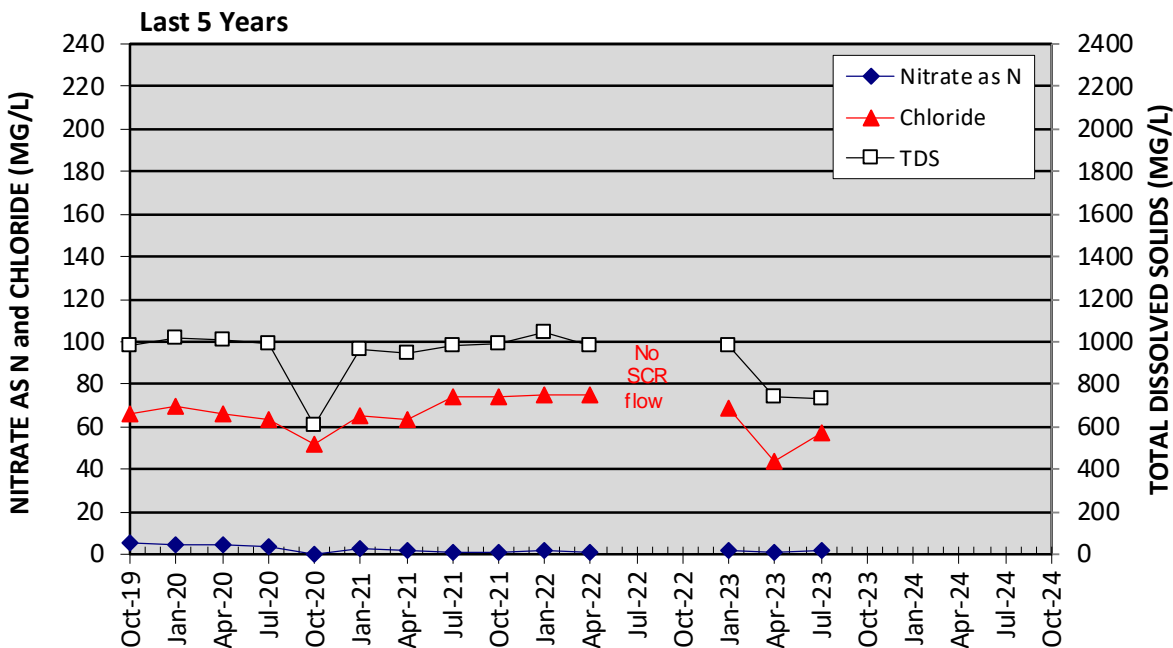


Piru Creek water quality below Santa Felicia Dam

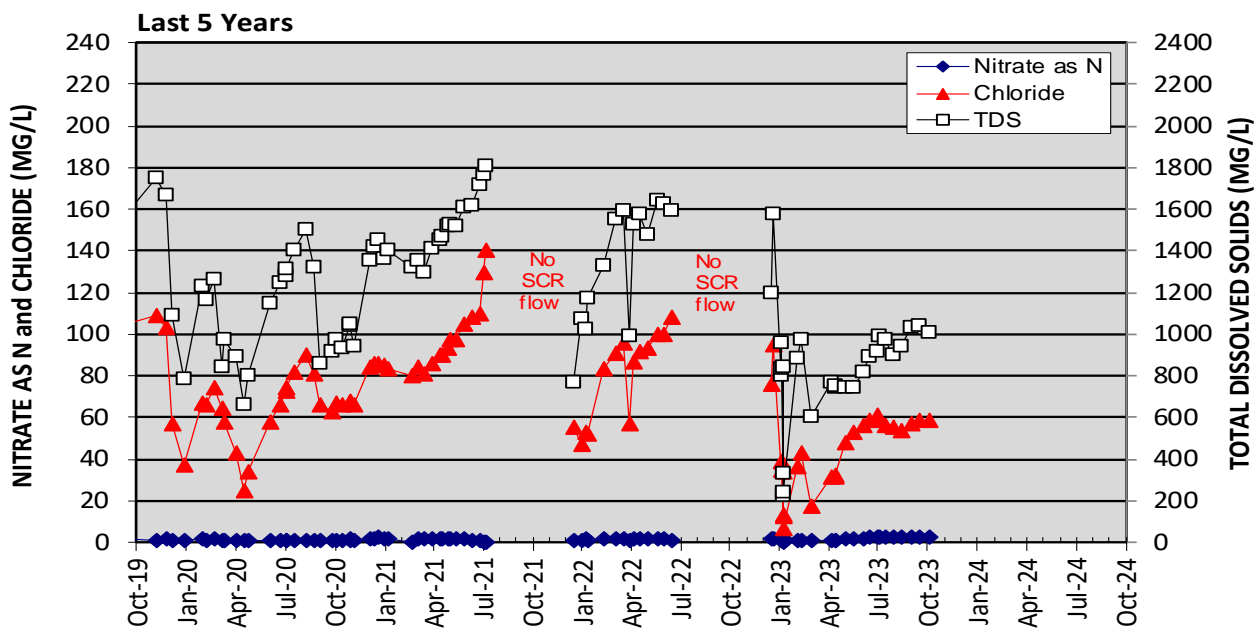


Water Quality

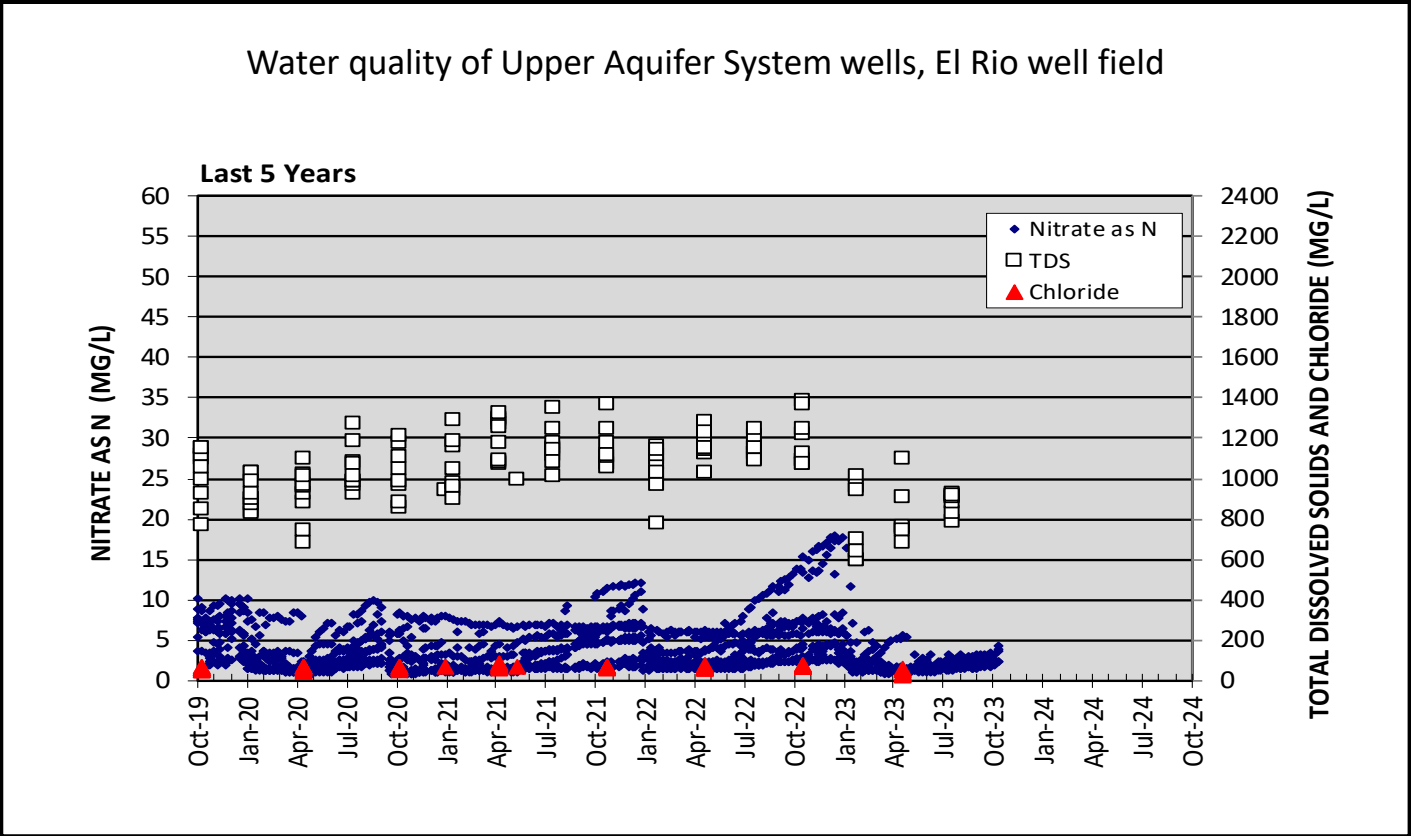
Santa Clara River water quality near Fillmore Fish Hatchery

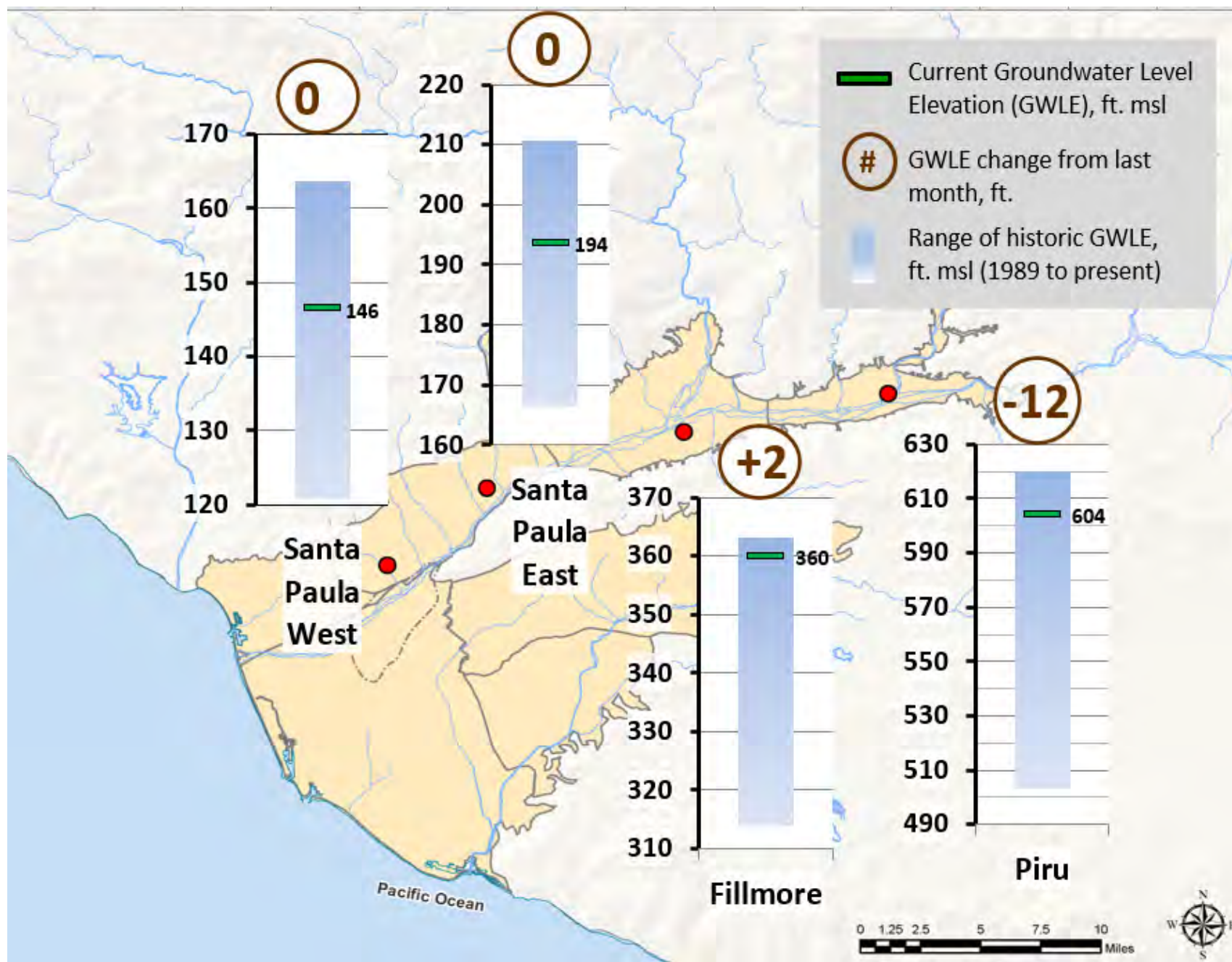


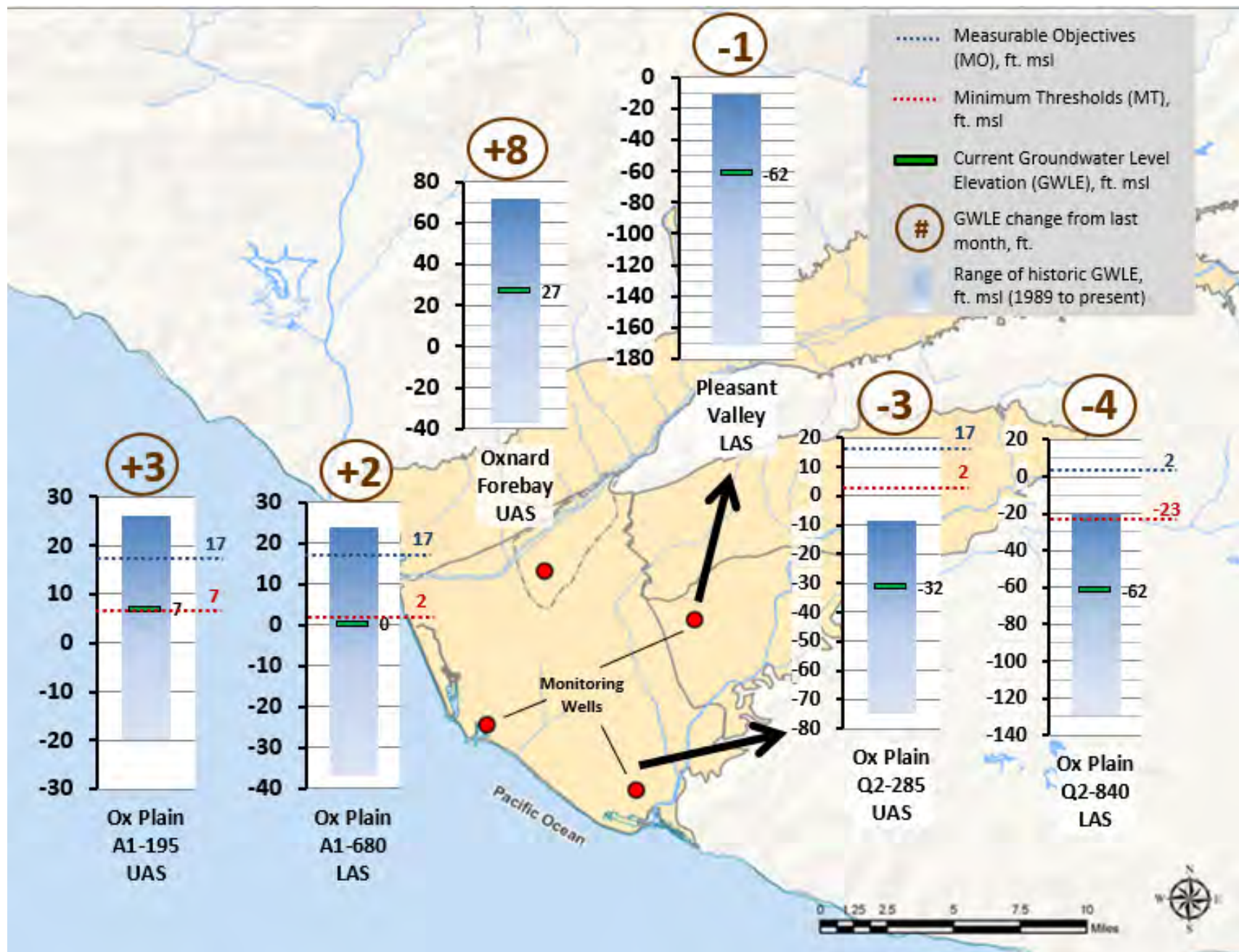
Santa Clara River water quality at Freeman Diversion



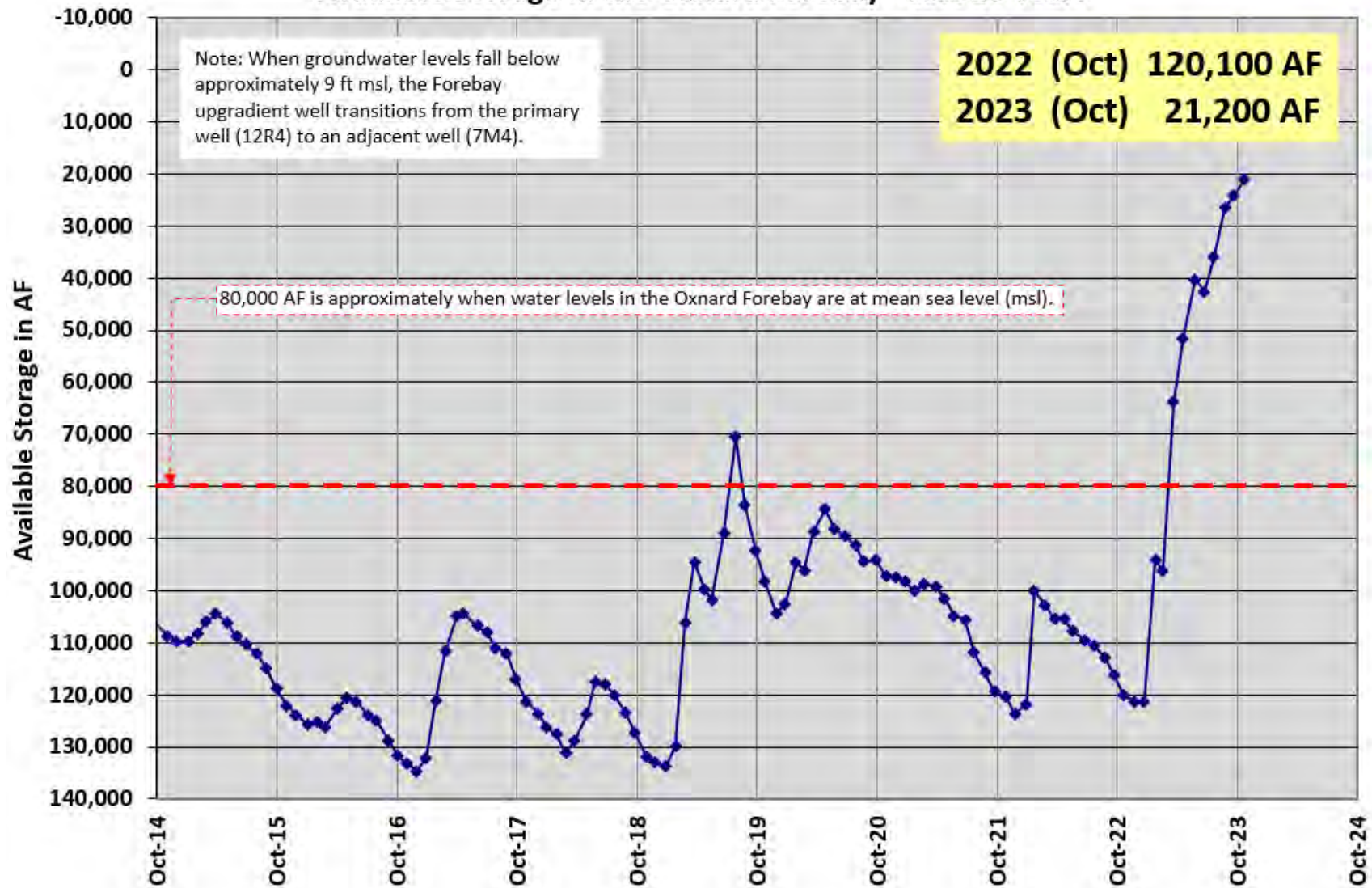
Water Quality

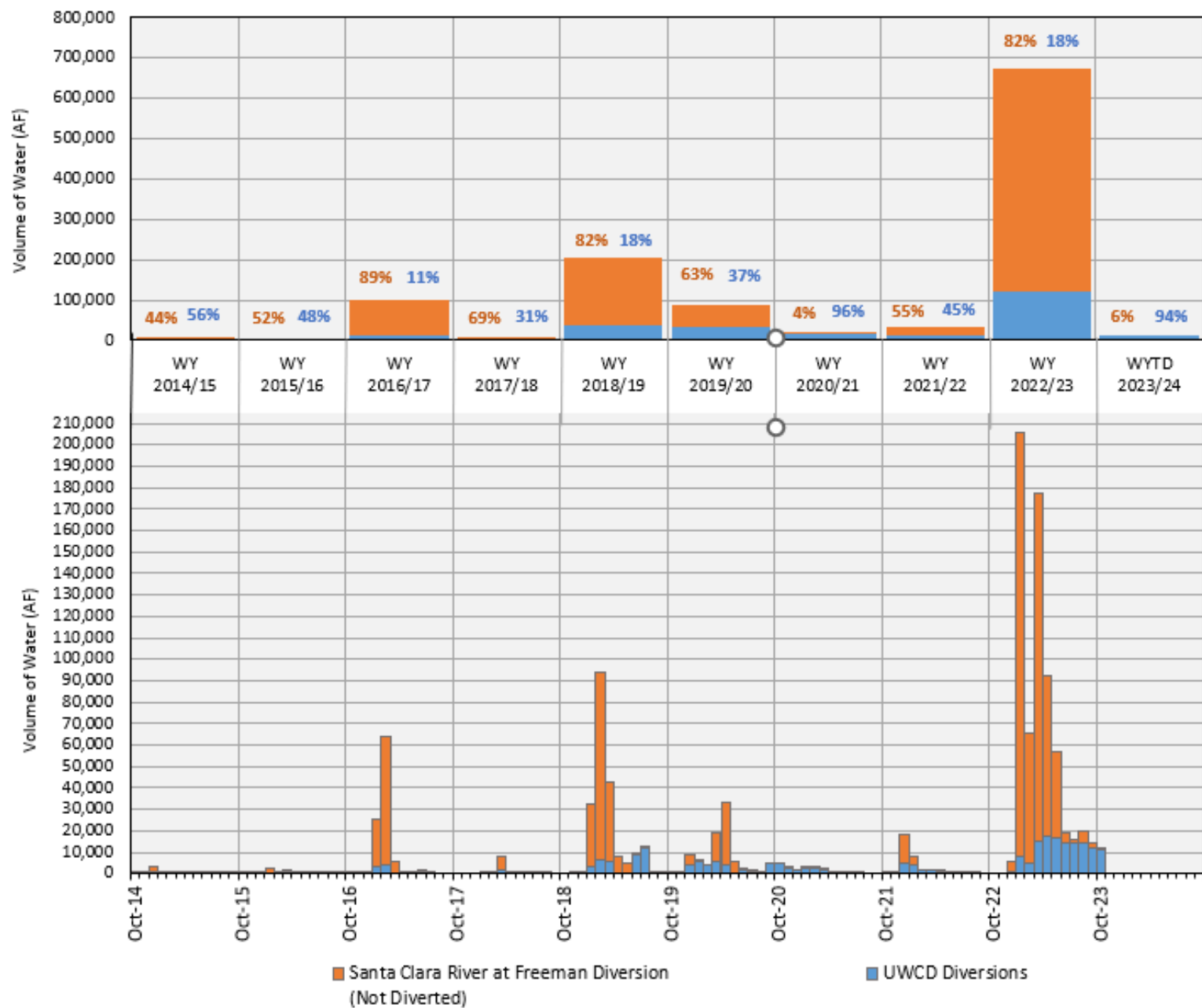






Available Storage in the Oxnard Forebay - Last 10 Years





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
Sara Guzman, Senior Accountant

Date: October 26, 2023 (November 8, 2023, meeting)

Agenda Item: 3C. Monthly Investment Report (September 30, 2023)
Information Item

Staff Recommendation:

The Board will receive and review the most current investment report for the month ending September 30, 2023, that is attached.

Discussion:

Informational purposes.

Fiscal Impact:

As shown.

Attachment:

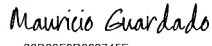

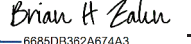
Combined Monthly Investment Report

United Water Conservation District
Monthly Investment Report
September 30, 2023

<u>Investment Recap</u>	<u>G/L Balance</u>	<u>Weighted Avg Days to Maturity</u>	<u>Diversification Percentage of Total</u>
Bank of the Sierra	3,539,638	1	8.60%
Citizens Business Bank	4,409,150	1	10.72%
US Bank - 2020 COP Bond Balance	5,978,766	1	14.53%
Petty Cash	4,400	1	0.01%
County Treasury	1,712	1	0.00%
LAIF Investments	27,209,962	1	66.12%
Total Cash, Cash Equivalents and Securities	41,143,628		100.00%
 Investment Portfolio w/o Trustee Held Funds	 41,143,628		
Trustee Held Funds	-		
Total Funds	41,143,628		

Local Agency Investment Fund (LAIF)	Beginning Balance 27,209,962	Deposits (Disbursements)	Ending Balance 27,209,962
	Interest Earned YTD -	Interest Received YTD 251,649	Qtrly Yield 3.15%

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.

<p>DocuSigned by:  <small>36D23F9D982745E...</small> Mauricio E. Guardado, Jr., General Manager</p>	<p>10/25/2023 Date Certified</p>
<p>DocuSigned by:  <small>70D59ECF0D8D46E...</small> Anthony Emmert, Assistant General Manager</p>	<p>10/24/2023 Date Certified</p>
<p>DocuSigned by:  <small>6685DB362A674A3...</small> Brian H. Zahn, Chief Financial Officer</p>	<p>10/23/2023 Date Certified</p>

<i>United Water Conservation District</i>			
<i>Cash Position</i>			
September 30, 2023			
Fund	Total	Composition	Restrictions/Designations
General/Water Conservation Fund:			Revenue collected for district operations
General/Water Conservation	6,272,392	(7,431,842)	Includes General, Rec & Ranger, Water Conservation
		4,962,000	Reserved for legal expenditures
		4,751,849	Designated for replacement, capital improvements, and environmental projects
		3,990,385	Supplemental Water Purchase Fund
General CIP Funds	15,681,910	15,681,910	Appropriated for capital projects
2020 COP Bond Funds	6,560,921	6,560,921	Reserved for CIP Projects
Special Revenue Funds:			Revenue collected for a special purpose
State Water Project Funds	4,577,828	4,577,828	Procurement of water/rights from state water project
Enterprise Funds:			Restricted to fund usage
Freeman Fund	(1,189,024)	(1,189,024)	Operations, Debt Service and Capital Projects
		-	Designated for replacement and capital improvements
		-	Reserved for legal expenditures
Freeman CIP Fund	4,502,958	4,502,958	Appropriated for capital projects
OH Pipeline Fund	(1,897,854)	(1,897,854)	Delivery of water to OH customers
OH CIP Fund	3,033,833	3,033,833	Appropriated for capital projects
OH Pipeline Well Replacement Fund	443,951	443,951	Well replacement fund
PV Pipeline Fund	865,986	865,986	Delivery of water to PV customers
PV CIP Fund	244,584	244,584	Appropriated for capital projects
PT Pipeline Fund	205,816	205,816	Delivery of water to PTP customers
PT CIP Fund	1,840,326	1,840,326	Appropriated for capital projects
Total District Cash & Investments	41,143,628	41,143,628	



Staff Report

To: UWCD Board of Directors

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

From: Clayton Strahan, Chief Operations Officer
Randy Castañeda, Operations Supervisor — Water Treatment

Date: October 30, 2023 (November 8, 2023, meeting)

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

Staff Recommendation:

The Board will receive this summary report from the Operations and Maintenance department regarding its activities for the month of October 2023.

1. Water Releases, Diversions

- Lake Piru dropped 11.7 feet in September due to conservation release, to 36,704 acre-feet (AF) of storage.
- 10,946 AF of water was diverted by the Freeman Diversion facility in October.
- 5,141 AF of water was delivered to the Satcoy recharge basins in October (metered plus unmetered, including Noble and Rose Basins).
- 2,591 AF of surface water was delivered to the El Rio recharge basins in October.
- 914 AF of surface water was delivered to the PTP system in October.
- 0 AF of surface water was delivered to C customers in October.
- 1,114 AF of surface water was delivered to Pleasant Valley County Water District in October.

2. Major Facilities Update

- **Santa Felicia Dam**

- On November 1, 2023, the lake level was 1010.2.
 - Conservation releases from the Santa Felicia Dam (SFD) continued during the month of October, at a release rate of 163-204 cubic feet per second (cfs).
 - On October 25, 2023, UWCD Eng. Dept. conducted dam safety cross-training at Santa Felicia Dam.
 - On October 24, 2023, SFD staff completed its annual County of Ventura Environmental Health CUPA inspection report.
-

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

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

- Diversion rate at the Freeman Diversion averaged 178 cfs for the month of October, with 200 cfs of surface water being diverted on November 1, 2023.
- District staff operated the Freeman Diversion throughout the month, harvesting Santa Felicia Dam release flows, recharging basins, and delivering surface water to El Rio, PTP and PV pipelines.
- In collaboration with Environmental Services, staff performed Freeman Diversion flushes and sediment removal every Monday throughout the month of October.
- Staff utilized the District's long reach excavator to remove sediment buildup from the canal and replaced fish wiper brushes during weekly flush cycles.
- Staff dried, disced, and rotated low percolation rate recharge basins in Saticoy.
- Noble and Rose basins are being operated at elevated levels to increase percolation effectiveness, in consultation with Hydrology.
- Saticoy staff began preparations for November 6 shutdown of Freeman Diversion so miscellaneous equipment can be repaired or replaced.
- Static water levels (distance of water from the well pad to the water table):

	2023	2022	2021
Saticoy	16.3'	142'	145'
El Rio	75.6'	144'	145.2'
PTP	87.7'-115.6'	148'-192'	135'-176'

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

- El Rio treatment operators went through Iron and Manganese Plant production training and attended Cla-Valve instructional classes at factory in Costa Mesa.
- El Rio Booster plant emergency power and pumps needed during two major power outages.
- Scraping of topsoil at El Rio ponds 2 and 3 took place to increase percolation rates.
- UWCD staff worked with Division of Drinking Water to amend status of OH Well 13 to active mode.
- Assisted contractor in replacement of broken 3" air vacuum valve at Pleasant Valley Road, and J Street.
- Installed new 6" and 12" motor operated valves on OH Well 20 discharge manifolds.

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

- PVCWD received United's surface water supply, surface supply from Conejo Creek Project and received highly treated recycled water from the City of Oxnard's Advanced Water Purification Facility (AWPF).
- 12% sodium hypochlorite injection continues at Saticoy's Moss Screen facilities for quagga mussel control.

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

- **Pumping Trough Pipeline (PTP)**
 - During the month of October, the PTP system demand was met primarily with surface water and supplemented with PTP wells.
 - Staff upgraded PTP Turnout meter #109 with Endress Hauser Electromagnetic meter.
 - Staff coupled motor and tested PTP 1 well for functionality after VFD drive issues were resolved.
- **Control Systems**
 - Control Systems staff resolved issues with VFD drives OH Well 12 and PTP Well 1.
 - Staff worked on automating remote communication for Saticoy Wells 1 through 4 in preparation of using them upcoming Freeman Diversion shutdown.
 - Continued support for Fe-Mn Treatment Project programming and start-up testing.
 - Staff programed and commissioned Endress Hauser Electromagnetic flow meter at Turnout #109 off Laguna Road.
 - Staff worked on miscellaneous flow meter issues throughout the Freeman Diversion infrastructure.
- **Lake Piru Water System**
 - All chlorine residuals and turbidity readings for the drinking water system were within proper ranges for the month of October.
 - 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

- On multiple occasions in October, El Rio staff assisted Dempsey Road and Saviers Road mutual water companies, by isolating UWCD supply for repairs made to their distribution systems.
- **Other Operations and Maintenance Activities**
 - The Santa Felicia Dam Emergency Action Plan sirens located in Piru were exercised on October 1, 2023.
 - Facilitated tours at Freeman Diversion facilities.
 - Staff continued oversight of chemical injection for quagga control.
 - The monthly inspection of Santa Felicia Dam was performed.
 - Monthly bacteria samples were obtained for the PTP system.
 - Monthly meter readings were obtained for 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

- **Safety and Training**

- The online Target Safety assignment for October was “Water Industry Bloodborne Pathogens Safety.”
- A selected number of staff (with emphasis on recent hires) attended the Confined Space and HAZMAT safety training held at the Ventura County Fire Department.
- O&M staff went through online and hands-on CPR/AED/First Aid training at UWCD Head Quarters.
- Saticoy staff also attended an EAP overview briefing at Saticoy followed by a 3-hour cross-training covering the SFD EAP First Check inspection and safety procedures hosted by SFD Operations staff in coordination with Risk and Safety and Engineering Departments.
- Tailgate safety meetings were conducted at all individual O&M field locations and the topic included refresher training on equipment used at the various O&M locations.

Attachment: Operations Log for October.

OPERATIONS LOG v 11/1/23

DATE	SANTA FELICIA DAM								FREEMAN DIVERSION**					RECHARGE				IRRIGATION						O-H		
	SFD EI.	Stor.	Surface	Evap.	Inflow Balance	Outflow USGS	Hydro	Rain 106E	River	Diverted	Fish*** Facility	Bypass Channel	Crest	El Rio	Saticoy Facility		Noble/ Rose	Piru	T.I.D.	P.T.P.	PVCWD		L.P.	Saticoy Wells	Total	CI2
	Ft.	A/F	Acres	Inches	Av. CFS	Av. CFS	Kw	Inches	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Av. CFS	Misc CFS†	Weir CFS	Av. CFS	Av. CFS	A/F	A/F	A/F	%	A/F	A/F	A/F	Lbs.
A/F*		48176			0	0		0	0	0	0		0	0.0		0	0.0	0	0	0		0.0	0	0	0	0
10/1/23	1022.43	47340	905.00	0.168	-244	175.1	0	0.00	218	202	16	0	0	56.41	6	134.02	35.5	0.0	10.4	0.0	10.4	0.03	0.0	0.0	48.9	395
10/2/23	1022.21	47141	904.00	0.152	70	168.1	0	0.00	206	155	13.2	38.3	0	39.67	-4	97.6	30.57	0.0	43.0	0.0	43.0	0.14	0.0	0.0	41.0	415
10/3/23	1021.70	46681	901.00	0.141	-66	163.4	0	0.00	194	182	11.6	0	0	38.66	9	104.28	24.05	0.0	59.9	0.0	59.9	0.17	0.0	0.0	27.5	363
10/4/23	1021.45	46456	899.00	0.177	54	163.8	0	0.00	187	180	6.9	0	0	34.67	7	106.7	20.73	0.0	64.0	15.4	48.6	0.14	0.0	0.0	29.3	442
10/5/23	1021.00	46052	897.00	0.199	-36	163.8	0	0.00	179	172	6.8	0	0	24.8	12	99.76	20.1	0.0	71.5	27.7	43.8	0.13	0.0	0.0	27.1	393
10/6/23	1020.70	45783	895.00	0.194	31	163.7	0	0.00	174	166	7.5	0	0	35.1	1	88.18	15.74	0.0	83.0	31.1	51.9	0.16	0.0	0.0	25.0	324
10/7/23	1020.30	45425	893.00	0.207	-14	163.1	0	0.00	174	168	6.6	0	0	40.41	4	82.78	10.23	0.0	80.3	31.9	48.4	0.15	0.0	0.0	26.2	236
10/8/23	1020.10	45247	892.00	0.160	77	163.4	0	0.00	180	173	6.6	0	0	38.89	5	112.26	12.38	0.0	32.6	23.9	8.7	0.03	0.0	0.0	23.8	205
10/9/23	1019.90	45069	891.00	0.209	77	163.2	0	0.00	186	180	6.6	0	0	31.63	7	113.56	13.32	0.0	54.8	27.2	27.6	0.08	0.0	0.0	26.8	252
10/10/23	1019.40	44624	888.00	0.182	-58	163	0	0.00	183	176	6.6	0	0	31.48	3	109.27	13.22	0.0	64.1	33.4	30.7	0.09	0.0	0.0	39.9	314
10/11/23	1018.90	44181	885.00	0.155	-58	162.8	0	0.00	185	146	5.7	33.5	0	24.59	-12	88.8	17.66	0.0	88.8	42.3	46.5	0.16	0.0	0.0	52.2	444
10/12/23	1018.50	43827	883.00	0.257	-11	162.6	0	0.00	175	169	6.6	0	0	28.34	-6	103.95	17.92	0.0	84.2	39.1	45.1	0.14	0.0	0.0	51.3	434
10/13/23	1018.10	43474	881.00	0.196	-8	166.7	0	0.00	168	161	6.6	0	0	24.85	-8	94.18	17.23	0.0	99.1	40.4	58.7	0.18	0.0	0.0	35.7	329
10/14/23	1017.80	43210	880.00	0.157	44	174.5	0	0.00	177	171	6.6	0	0	29.68	-1	99.91	17.83	0.0	82.8	35.6	47.2	0.14	0.0	0.0	26.5	219
10/15/23	1017.40	42858	877.00	0.166	0	174.3	0	0.00	188	182	6.6	0	0	37.77	10	121.34	22.31	0.0	24.9	25.6	0.0	0.00	0.0	0.0	24.5	202
10/16/23	1017.00	42508	875.00	0.172	1	174.2	0	0.00	183	150	5.7	28	0	38.11	7	75.15	17.69	0.0	57.6	37.7	19.6	0.07	0.0	0.0	31.7	230
10/17/23	1016.80	42333	874.00	0.158	88	173.9	0	0.00	180	173	6.6	0	0	25.15	4	106.84	18.39	0.0	74.5	28.6	45.9	0.13	0.0	0.0	41.7	341
10/18/23	1016.40	41984	872.00	0.193	1	173.8	0	0.00	175	168	6.6	0	0	30.25	-9	100.95	19.71	0.0	89.5	35.8	53.7	0.16	0.0	0.0	45.2	362
10/19/23	1015.90	41548	869.00	0.125	-38	179.6	0	0.00	175	169	6.6	0	0	41.41	-5	97.41	15.15	0.0	69.1	30.9	38.2	0.11	0.0	0.0	34.8	280
10/20/23	1015.42	41132	866.00	0.212	-22	184.1	0	0.00	183	176	6.6	0	0	36.91	3	100.92	14.87	0.0	70.4	37.1	33.3	0.10	0.0	0.0	26.1	216
10/21/23	1015.09	40846	864.00	0.168	43	183.9	0	0.00	185	178	6.6	0	0	45.36	-36	109.27	21.1	0.0	118.9	32.6	86.3	0.24	0.0	0.0	26.8	212
10/22/23	1014.69	40501	861.00	0.173	12	183.6	0	0.00	196	189	6.6	0	0	56.23	10	112.62	23.08	0.0	20.7	20.8	0.0	0.00	0.0	0.0	22.5	188
10/23/23	1014.22	40097	859.00	0.140	-18	183.4	0	0.00	200	163	5.7	31.9	0	44.52	-7	100.13	19.6	0.0	50.3	28.6	21.7	0.07	0.0	0.0	33.8	267
10/24/23	1013.83	39763	856.00	0.143	22	187.9	0	0.00	189	182	6.6	0	0	50.87	8	94.55	19.92	0.0	56.8	24.6	32.2	0.09	0.0	0.0	36.4	286
10/25/23	1013.43	39421	853.00	0.109	24	194.3	0	0.00	190	183	6.6	0	0	65.59	2	84.36	16.52	0.0	62.1	24.2	37.9	0.10	0.0	0.0	39.8	329
10/26/23	1013.00	39055	850.00	0.104	11	193.9	0	0.00	194	187	6.6	0	0	58.71	7	98.7	19.02	0.0	46.0	21.9	24.1	0.07	0.0	0.0	35.7	300
10/27/23	1012.57	38690	847.00	0.118	15	197.7	0	0.00	197	190	6.6	0	0	53.97	8	98.48	18.78	0.0	59.4	27.3	32.1	0.09	0.0	0.0	34.3	272
10/28/23	1012.20	38377	844.00	0.134	48	203.5	0	0.00	211	205	6.6	0	0	58.52	16	105.66	20.54	0.0	48.2	22.6	25.6	0.06	0.0	0.0	37.0	285
10/29/23	1011.60	37872	840.00	0.182	-50	202.3	0	0.00	223	216	6.6	0	0	66.72	22	115.19	22.21	0.0	24.3	24.1	0.2	0.00	0.0	0.0	33.9	260
10/30/23	1011.13	37478	836.00	0.308	9	202.7	0	0.00	223	216	6.6	0	0	58.42	-5	108.78	23.53	0.0	106.4	41.5	64.9	0.15	0.0	0.0	43.0	321
10/31/23	1010.68	37103	833.00	0.209	17	202.4	0	0.00	208	201	6.6	0	0	61.03	21	86.88	20.22	0.0	65.0	38.0	27.0	7%	0.0	0.0	37.5	310
TOTAL CFS					19	5513		0.00	5884	5528	224	132	0	1309	76	3152	599	0.0								
AVERAGE CFS					1	178			190	178	7	4	0	42	2	102	19	0.0								
TOTAL A/F					37	10915			11651	10946	444	261	0	2591	150	6242	1186	0.0	1963	850	1113		0	0.0	1066	9426
MONTHLY REVENUE TO DATE (approx.)							\$0	K																		
AVERAGE A/F					1	352			376	353	14	8	0	84	5	201	38	0.0	63	27	36	10%	0	0.0	34	304
WATER YEAR TOTALS A/F					37	10,915		0.00	11,651	10,946	444	261	0	2,591	6,392		1,186	0.0	1,963	850	1,113		0	0	1,066	9,426
* Input total A/F previous month																										
** Daily averages imported from Ranch Systems																										
***Fish facility flows include Denil fishladder, aux pipe and smolt bypass pipe																										
† 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: October 23, 2023 (November 8, 2023 meeting)

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

Staff Recommendation:

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

Discussion:

During the month of October, visitation numbers drastically declined as we headed full swing into the off season. With water levels declining at an accelerated rate, staff are working tirelessly to ensure the damaged marina remains functional. Throughout the month of October, ranger staff have shifted focus onto training to ensure they remain ready for this coming summer. Staff continue to work through the testing and evaluation process to hire a new Park Ranger Cadet and look forward to the assistance of a new staff member to be added to the team.

Staff Tasks and Activity Highlights

- **October:** In collaboration with O&M, staff will now perform pest control services within the recreation area to include the store as well as bathrooms in the campground. These services were previously performed by Terminix in the amount of approximately \$2,000.00 annually. However, with in-house expertise now available from operations staff, the decision was made to utilize those skill sets at savings to the district.
 - **October 2:** Staff reviewed bid documents associated with the marina replacement project that were received in late September. A bid selection has been made and is currently with the GM for review. Staff anticipate bringing a bid award to the full board in December.
 - **October 2, 9, 15, 23, 30:** With falling lake levels associated with the district's conservation release, staff performed significant moves to the marina, its anchors, and the courtesy docks to keep pace with lake level fluctuations. These efforts have included re-positioning the large lakeside anchors and keeping the damaged marina in operation while staff continue working toward a marina replacement project.
 - **October 2, 19, 27:** Staff performed noxious weed abatement measures by applying herbicide for weed management throughout the park. This is not typically a task performed
-

4.5 Monthly Park and Recreation Department Report

Page 2

this time of year, but with more than five inches of rain from Hurricane Hilary in early fall on the heels of an already wet year, this has been an ongoing challenge for staff.

- **October 6-8:** Staff hosted a training for the County Search and Rescue, and County Aviation units. These exercises, which target water rescues, are imperative in ensuring our first responders are well versed in the skills needed to respond to emergencies for the residents of our county.
- **October 12, 13:** Ranger staff assisted Environmental staff in conducting sampling in remote areas of the middle Piru Creek watershed to support ongoing studies associated with steelhead in middle Piru Creek.
- **October 19:** Summer Construction concluded the FEMA storm cleanup work in and around Lake Piru. Summer Construction was contracted to clear roadways, drains, basins and to repair damage to the Dog Park, Day Use facilities and East Road, which provides emergency access to the Santa Felicia Dam.
- **October 19:** Staff took patrol boat three in for its end of season annual service at Lakeside Marine. This routine service was necessary due to the significant hours staff have logged over the summer. Ensuring our patrol vessels are operating reliably is of utmost importance to support the district public safety aspect of its operation.
- **October 26:** Tom's welding from Santa Paula performed a necessary repair to the courtesy dock used on the main launch ramp. Damage occurred while moving the dock from reasoner launch ramp to the main launch facility, as lake levels fell. An unfortunate effect of performing conservation releases is that the lake infrastructure is not designed for dramatically fluctuating lake levels and as a result the infrastructure often experiences stresses and damages associated with such large fluctuations in water levels.
- **October 28:** Tommy's, boat rental concessionaire operating out of the marina, has ended its seasonal operation for the year. All their vessels are off the premises until next season, when they will again start with a brand-new fleet of vessels.
- **October 30:** Ranger staff conducted physical testing for the Ranger Cadet applicants. This Physical Test ensures that applicants are physically fit and ready for duty.

Staff Training/Meetings/Events

- **October 9-11:** Matt Lundberg attended Public Safety and First Aid training hosted by Safety Unlimited. This training ensures that staff are up to date in their first aid techniques.
 - **October 18:** Staff attended confined space and hazmat training hosted by Ventura County Fire Department.
 - **October 24:** Staff attended ARCON training. This training allows Park Rangers to better prepare for in the moment verbal and physical altercation and de-escalation tactics which includes hands on control and weaponless defense.
 - **October 25:** Ranger staff attended Dam Safety Cross Training held at Santa Felicia Dam hosted by SFD staff. This training was fundamental in ensuring that Ranger staff can cross function within SFD tasks. SFD staff will work on training Piru Rangers in taking reads throughout the coming months.
 - **October 27:** Staff hosted a monthly event for Happy Campers, an Alcoholics Anonymous group who has been hosting monthly recovery meetings for residents of
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4.5 Monthly Park and Recreation Department Report

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Los Angeles County for more than twenty years.

Revenue and Visitation Recap

2023 Day Use/Other Revenue Recap and Comparison	
2023 Day Use/Other Revenue (Jan. 1 – Oct. 30)	\$290,507.50
2022 Day Use/Other Revenue (Jan. 1 – Oct. 30)	\$269,523.70
Total Revenue Increase/Decrease from Prior Year	\$20,983.80
Annual Increase/Decrease %	+7.78%
2023 Camping Revenue Recap and Comparison	
2023 Camping Revenue (Jan. 1 – Oct. 30)	\$613,714.42
2022 Camping Revenue (Jan. 1 – Oct. 30)	\$559,141.50
Total Revenue Increase/Decrease from Prior Year	\$54,572.92
Annual Increase/Decrease in %	+9.76%
Total Combined Revenue Current and Previous Year Comparison (2023 vs. 2022)	
2023 All Revenue (Jan. 1 – Oct. 30)	\$ 906,123.72
2022 All Revenue (Jan. 1 – Oct. 30)	\$ 830,050.20
Total Revenue Increase from Prior Year	+\$76,073.52
Annual Increase/Decrease in %	+9.16%

***It should be noted that the above figures have not been verified by the district's finance department

2023 Total Visitation Figures				
Month	# People	# Vehicles	# Vessels	Pets
January	598	414	16	10
February	1,698	366	0	3
March	3,475	1,036	0	3
April	11,466	3,222	125	67
May	12,194	3,242	514	47
June	12,873	2,955	513	29
July	24,482	5,716	893	54
August	9,105	2,561	400	16
September	3,747	1,667	694	17
October	2,243	1,400	197	8
Total	80,180	22,579	3,352	298

- Incidents/Arrests/Medicals

- Ranger staff were informed the environmental group in Agua Blanca had missed a check-in. Ranger staff went up to find their vehicles and utilized a drone. While enroute contact was made with the hiking group, there was no action taken.
 - Ranger staff responded to a boater possibly under the influence. Ventura County Sheriff Deputies and paramedics were called and arrived on scene. Deputies on scene determined the best course of action was to allow the passenger of the BUI suspect to transport the BUI suspect home.
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4.5 Monthly Park and Recreation Department Report

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- Ranger staff responded to a call for graffiti in the upper restroom. A camp host was cleaning the restroom and claimed to have heard a paint can. Ranger staff interviewed the suspect who denied having any involvement. Because the camp host did not actually see the suspect in the act, and with the suspect denying the action, no action was taken.
 - **Citations/Enforcement Summary**
Throughout October, one citation was issued for violations of District Ordinance 15 and or for violations of the California Penal Code of the California Harbors and Navigation Code. Additionally, it should be noted that Ranger staff issued numerous verbal warnings throughout the month for violations of District ordinances and state laws.
 - **Grants**
Nothing to report.
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Staff Report

To: UWCD Board of Directors

Through: Mauricio E. Guardado, Jr., General Manager
Maryam Bral, Chief Engineer

From: Dr. Jason Sun, Supervisory Water Resources Engineer
Murray McEachron, Hydrologist Supervisor
John Lindquist, Water Resources Supervisor

Date: October 30, 2023 (November 8, 2023 meeting)

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

Staff Recommendation:

The Board will receive a report on Water Resources Department activities for the month of October 2023, including a summary of the activities of the three local Groundwater Sustainability Agencies (Fox Canyon Groundwater Management Agency, Fillmore and Piru Basins GSA, and Mound Basin GSA and the Santa Paula Basin (adjudicated) Technical Advisory Committee.

Discussion:

Staff Activities

Notable efforts and activities conducted by staff during October included the following:

- Hydrology:
 - Staff continued to assist with planning and coordination for the future deliveries of Table A water and supplemental State Water Project (SWP) water acquired from other SWP contractors.
 - Staff continued to provide input on operational decisions at Freeman Diversion to manage sediment accumulation near the intake structure, maximize diversions, maximize recharge and comply with regulatory requirements.
 - Staff continued to assist 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 and
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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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interpretation of physical modeling efforts at the Bureau of Reclamation's facility in Denver and at the University of Iowa.

- Staff continued to coordinate with recharge operators at Saticoy and El Rio to maintain optimum percolation rates for the facilities.
- Staff continued to assist the Engineering Department in developing reservoir operations plan and hydrological risk assessment for Lake Piru prior and during the construction of the new outlet works as part of the Santa Felicia Dam Safety Improvement project. Additionally, Staff assisted the Engineering Department to identify alternative elevations for the proposed new intakes of the new sloping intake as part of the new outlet works system.
- Staff continues to participate in Freeman Diversion Operational Work Group meetings (which include the National Marine Fisheries Service [NMFS] and California Department of Fish and Wildlife [CDFW]) to discuss proposed operational parameters, including bypass flows, associated with a proposed higher instantaneous diversion rate at Freeman Diversion.
- Hydrogeology:
 - Staff continued routine groundwater monitoring and reporting activities within the District.
 - Staff participated in meetings of the Groundwater Sustainability Agencies (GSAs) within the District, as detailed in subsequent sections of this report.
 - Staff continued to assist the Engineering Department and their consultant with design of Phase 1 extraction wells for the EBB Water Project.
 - Staff continue planning for installation of EBB Water Project Phase 1 groundwater monitoring wells (with support of United's consultants) in early 2024 and are managing the SGM Grant activities associated with this effort.
 - Staff provided technical support to the Engineering Department for preparation of a final report for El Rio replacement well #20.
 - Staff revised a draft monitoring plan to support the updated "Recycled Water Pumping Allocation Impacts Analysis" (described below, under "Groundwater Modeling") in response to comments from stakeholders.
 - Staff continued working with the State Water Resources Control Board to develop an appropriate scope of work for the Prop 1, Round 3 grant in support of the EBB Water Project. The grant is expected to be finalized and signed late this year.
 - Staff began updating analysis of trends in groundwater and surface-water use within the District through water year 2022.
 - Staff began reviewing recent downscaled climate-model results for selected locations to update forecasts developed by the State for future rainfall amounts within the District's service area.

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 supported Engineering in determining potential volumes of recycled water that may be expected to be conveyed through the planned Laguna Road interconnection, to assist with determination of pipeline alignment and turnout locations.
- Staff provided hydrogeologic data to stakeholders as requested and approved in accordance with United's current processes.
- Groundwater Modeling:
 - Staff are collecting and processing data, including precipitation, stream flow measurements, water level measurements, pumping records, and water import data from 2020 to 2022 in preparation to extend the simulation period of the Coastal Plain Model from 1985-2019 to 1985-2022.
 - Staff assisted the FCGMA staff in finalizing a consulting agreement between FCGMA and UWCD in support of the GSP update.
 - Staff compiled a list of wells for internal review to further improve the conceptual model.
 - Staff prepared more modeling analysis for legal counsel for litigation support related to the OPV adjudication.
 - Staff are working on the subsidence model calibration.
- Outreach and Education
 - Staff continued preparing presentations for United's Water Sustainability Summit #4, held on October 26.
 - Chris Coppinger submitted a draft presentation on United's EBB Water Project in advance of the State Water Resources Control Board's (SWRCB) November 16, 2023, meeting in Los Angeles. The SWRCB would like to showcase progress made on this project since the modeling work completed under the Proposition 1, Round 2, grant.
 - Murray McEachron gave a tour of Freeman Diversion and Saticoy Spreading Grounds to City of Port Hueneme Councilmember Dr. McQueen-Legohn.

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 continued to meet periodically with FCGMA staff and other stakeholders to analyze benefits and impacts of water-supply 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 held a regular Board meeting on October 25. Notable agenda items at this meeting included:

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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- The Board considered and adopted Resolution No. 2023-02 regarding the accrual, extraction, and transfer of recycled water pumping allocation (RWPA); found that no new or subsequent environmental review needs to be prepared related to this resolution; and that the resolution is categorically exempt from CEQA.
- The Board considered and approved an agreement with United to conduct numerical flow modeling in support of GSP evaluations in support of the required 2025 GSP updates for the Oxnard, Pleasant Valley, and western Las Posas Valley Basins.
- An update from FCGMA staff and public meeting regarding the continued need for, and adjustments to, the reserve fee imposed under Resolution No. 2020-05.
- An update on implementation of the Las Posas Valley Basin Adjudication Judgment.

The next regular Board meeting is scheduled for December 8 at 1:30 p.m. In addition, an Operations Committee meeting is planned for November 1 at 3:00 p.m. Although an agenda for the Operations Committee had not been released at the time of preparation of this staff report, the Board has previously mentioned that review of project update submittal packages would occur at one or more upcoming Operations Committee meetings.

GSP Implementation Support – United supported implementation of the GSPs for the Oxnard, Pleasant Valley, and Las Posas Valley Basins as follows:

- United continued updating the groundwater flow model through 2022 for the 5-year updates required for the Oxnard, Pleasant Valley, and West Las Posas Valley Basins.
- United reviewed the draft FCGMA resolution updating the policies and requirements related to Oxnard's future use of recycled water pumping allocation (RWPA) and provided input to the City.

Fillmore and Piru Basins Groundwater Sustainability Agency (FPBGSA)

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

Board of Directors meetings – The FPBGSA held a regular Board meeting on October 19. Notable agenda items at this meeting included:

- Review of permit applications for construction of a replacement agricultural supply well and a new domestic water supply well in Fillmore Basin.

The next FPBGSA Board meeting is scheduled for November 27, at 4:00 p.m.

GSP Implementation Support – United staff continue to collect and share groundwater data with the FPBGSA to support GSP implementation. In addition, United staff supported the FPBGSA Executive Director's review of the permit applications for wells discussed at the October 19 Board 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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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 cancelled its October 23 regular Board meeting. The next MBGSA Board meeting is scheduled for November 27, at 1:00 p.m.

GSP Implementation Support – United staff continue to collect and share groundwater data with the MBGSA to support GSP implementation.

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 have prepared a draft version of the Santa Paula Basin Annual Report for water year and calendar year 2022.



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 H. Zahn, Chief Financial Officer
Tony Huynh, Risk and Safety Manager
Zachary Plummer, Technology Systems Manager
Tracy Oehler, Executive Assistant/Clerk of the Board

Date: October 26, 2023 (November 8, 2023 meeting)

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

Staff Recommendation:

The Board will receive this staff report from the Administrative Services Department regarding its activities for the month of October 2023.

Discussion:

Finance

- Current estimate for emergency work performed on OH pipeline for the blockage removal is \$210K. We anticipate having the final cost in December and will bring it to the committee and board for supplemental appropriations.
- The District is planning to purchase new radios for internal use in the amount of \$260K. These new radios will be paid for using existing budgeted dollars that will be transferred to this project.
- The finance team is conducting a review of our budgeting processes as we prepare files for the 2024-25 Financial Budget.
- The Quest Diagnostics lease has been executed and will be extended through September 30, 2030.
- Year-end 2022-2023 financials to be presented in the December committee meeting.
- A financial audit is beginning the second week of December.

Administrative Services

- Provided administrative assistance for drafting, finalizing, and distributing/posting materials for the Water Resources (Oct. 3), Recreation (Oct. 4) and Engineering and Operations (Oct. 5), Committee meetings as well as the regular UWCD Board of Directors meeting (Oct. 11); and additionally, the Fillmore and Piru Basins GSA meeting (Oct. 19) at City of Fillmore.
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4.4 Monthly Administrative Services Department Report

Information Item

- Hosted the UWCD exhibit table at the Farm Bureau Ventura County Agri-Tech Fair on October 23 at the Marriott in Oxnard.
- Provided administrative assistance and support for drafting and printing materials, room setup, purchasing consumables, follow-up with registrants, and hosting the Water Sustainability Conference at District Headquarters on October 26.
- Provided administrative support, coordination, and assistance to CA Avocado Commission Executive Committee for its meeting in the UWCD Boardroom on October 3; the AWA VC Executive Committee meeting on October 5; and Water Issues Committee meeting on October 17 in the UWCD Board Room.

Human Resources

- Successfully onboarded the following personnel:
 - Operations Supervisor, Water Treatment – Position closed, and interviews will be held October 17.
 - Operations Supervisor, Water Supply and Distribution – Position closed and pending interview.
 - Park Ranger Cadet – Physical Agility Exams are scheduled for October 30.
 - Human Resources Specialist – Position closed and selection pending general manager approval.
- Promotions
 - Promoted Senior Engineer Robert Richardson to Principal Engineer.
 - Promoted Senior Accounting Technician Nyvee De Leon to Accountant.
- Calculated 2024 health insurance rates and processed all employee open enrollment changes.
- Processed exit documents for staff that submitted retirement letters during the month of October (including three retirements of staff).
- Attended the 2023 CalPERS Educational Forum and Annual Fire Extinguisher Training.
- Attended the Ventura County Confined Space Training.

Safety and Risk Management

- Coordinated confined space and hazmat training for staff at the Ventura County Fire Department Training Center.
 - Coordinated and confirmed the Piru Siren Activation of additional vehicle fleets.
 - Collaborated with O&M and Technology Systems staff on transitioning to new Dig Alert Intake Process.
 - Certified O&M in Adult & Pediatric CPR/AED/First Aid which included new staff and the recertification (every two years) for current staff).
 - Investigated incidents, including sharing information with Ventura County Sheriff's office.
 - Supported Technology Systems in identifying and assigning cyber security training as part of National Cybersecurity Awareness Month.
 - Coordinated procurement of FirstNet devices for wider District deployment.
 - Managed the transition of fire and intrusion alarm monitoring services to new vendor.
 - Collaborated with District engineer and dam operator in developing Saticoy duty operator cross-training for Santa Felicia Dam Emergency Action Plan.
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4.4 Monthly Administrative Services Department Report Information Item

Technology Systems

- Worked on deployment of new domain controller.
- Equipped new onboarded staff members with workstations and devices to perform their core functions in various departments.
- Addressed advanced phishing tactics and email anomalies, coordinating with security vendors to reinforce our defenses against malicious threats. This dissemination aligns with National Cyber Security and Awareness Month.
- Finalized user lists for the phone system upgrade (currently scheduled for November 1, 2023) and other deliverables to advance the VOIP Phone migration. In addition, Information Technology staff made advancements with the notification process as the Districts' enhanced physical security system is put into action.
- Technology and Instrumentation Departments procured networking and wireless controllers intended for the Iron and Manganese Lab at El Rio. While the equipment has arrived, it is currently undergoing pre-configuration. Coordination for setting installation dates is in progress.
- Collaborated with an array of internal departments and external collaborators, notably AT&T, to align our technological endeavors with operational objectives. Staff conducted discussions with the AT&T FirstNet account team, concentrating on the finalization of equipment (iPhone 14 with SOS alert feature) at no cost. Mobile device deployment and management with Apple Business, and interactions with our software partners were also a key component of these meetings. Deployment anticipated by the end of the year.
- **Volume of Internal Service Tickets Closed**
 - October 2023: 53 tickets closed.
 - Compared to September 2023: An increase of 16 tickets (43.24%).
 - Compared to October 2022: An increase of 25 tickets (89.29%).
 - Ticket resolution is high because of increased awareness, staff adjustments, and increasing demand for services as well as additional staff training that has been provided.



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, Principal Engineer
Nathan Summerville, Senior Engineer
Michel Kadah, Engineer
Adrian Quiroz, Engineer
Kaili Taniguchi, Engineer

Date: October 30, 2023 (November 8, 2023 meeting)

Agenda Item: 4.5 Monthly Engineering Department Report
Information item

Staff Recommendation:

The Board will receive a summary report from the Engineering Department regarding its activities for the month of October 2023.

Discussion:

1. Santa Felicia Dam Safety Improvement Project

- Spillway Improvement Project
 - The 60% design packet is scheduled to be submitted to FERC, DSOD, and Board of Consultants (BOC) by the end of October.
 - The BOC meeting No. 8 is scheduled to be held at the District Headquarters on November 15-16.
 - Outlet Works Improvement Project
 - Staff prepared a revised overall project schedule based on the District's anticipated completion dates of the environmental permitting. The revised schedule indicates the construction start date of the outlet works improvement project as July 2025. The revised schedule was reviewed and discussed with the District's consultants. Staff are planning to submit the revised schedule to FERC by the end of October/ early November.
 - Staff held an internal design review workshop with Operations and IT departments to review the 90% outlet works design plans. Staff discussed operational, mechanical, electrical, and instrumentation components with OPS and IT staff. The comments
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4.5 Monthly Engineering Department Report Information Item

- received during the workshop will be evaluated and submitted to GEI Consultants to be included in the final design. A second design review workshop is scheduled for December 14.
- Staff participated in several meetings with Black & Veatch (BV) to discuss the logistics of the Potential Failure Mode Analysis (PFMA) meeting, the project schedule, and expectations during construction and construction bid strategies. The Design PFMA meeting is scheduled to be held at the District Headquarters on January 22-25, 2024. The 90% outlet works, and 60% spillway improvements designs will be discussed at this four-day meeting. The completion of the Design PFMA meeting prior to construction is required by FERC.
 - FERC License Amendment Application, NEPA Documentation and Section 7 Consultation
 - Please see the Monthly Environmental Services Department Report for updates on the Project's environmental compliance and permitting process.
 - Loan and Grant Applications
 - On October 4, Staff successfully submitted full application and supporting documents for U.S. Department of Energy (DOE) grant program (Section 247 Maintaining and Enhancing Hydroelectricity Incentives). The requested grant amount under this program is \$5M.
 - Staff are planning to submit a full application for the 2023 FEMA Building Resilient Infrastructure and Communities (BRIC) grant program. Staff submitted Notice of Interest (NOI) to CalOES in August 2023 requesting \$63M to support the outlet works improvement project.
2. Condor Point Improvement Project
- UWCD will utilize Gordian's Job Order Contracting service to procure a construction contractor for construction of the Condor Point Swim Beach. A pre-bid job walk has been scheduled with Gordian on October 26, 2023. The deadline to construct the swim beach per FERC order is May 04, 2024.
3. Freeman Diversion Expansion
- Staff, consultants, special advisors, NMFS, CDFW and Wishtoyo participate in bi-weekly Operational Work Group meetings. These meetings will help to provide more information to the agencies concerning the operations of the Hardened Ramp flushing channel and desander.
4. Iron and Manganese Treatment Facility
- Ninety-Six-hour start-up testing was successfully completed on October 9, 2023. The third-party laboratory results have confirmed non-detect levels of iron and manganese in filtered water samples taken during this 96-hour start-up test.
 - Meetings:
-

4.5 Monthly Engineering Department Report Information Item

- Daily start-up and testing coordination meetings between GSE, Taft, RoviSys, HDR, and O&M staff.
- Weekly coordination meetings between Staff and HDR.
- Weekly construction progress meetings hosted by HDR and attended by GSE Construction (GSE), Taft Electric, Kennedy Jenks Consultants (KJ) and Staff.
- GSE has submitted approximately 385 out of a total of 410 submittal packages anticipated for the project. HDR and KJ have provided responses on approximately 375 submittal packages including a requirement to comply with the Buy American Act (BAA).
- GSE has submitted approximately 147 RFIs to date. HDR, KJ and the District have been providing responses.
- Forty (40) Change Orders (COs) have been fully executed to date amounting to a net total of \$1,450,076.20. This represents approximately 15.5% of the original contract amount (\$9,342,900). 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 requirement in place) and \$787,166.01 or 8.4% of the original contract amount is related to all other COs that have resulted in additions or modifications to the original scope of work.
- GSE in collaboration with the designer, KJ, continued working on resolving an issue with the operation of the air scour system.
- GSE's work in this reporting period included the following:
 - Supervisory Control and Data Acquisition (SCADA) System Integration
 - 96-Hour Start-Up Testing
 - Punchlist Items
- The facility's construction is expected to be substantially completed by October 31, 2023. The facility startup and testing activities will continue in the next three months to comply with the Division of Drinking Water (DDW) requirements for demonstrating full treatment efficacy.

5. PTP Metering Improvement Project

- Total number of meters installed: 46 of 60 or 77% complete (no change).
- Additional seven (7) meter installations are planned by late-2023 (Turnout Nos. 102, 109, 114, 132, 134, 161, 162).
- Easement acquisition completion: 33 of 40 obtained or 82.5% complete.
- Received additional owner-signatures on easement deed for Turnout No. 120. There are over 20 signatories to the easement deed.

6. PTP Recycled Water Connection – Laguna Road Pipeline Project

- The 60% design effort continued during the month of October. Staff reviewed and discussed with MKN, the design engineer, the detailed project schedule, hydraulic model scenarios, estimated cost for the proposed pipeline alignment alternatives, and Ventura County requirements for Laguna Road encroachment permit and Revolon Slough crossing.
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4.5 Monthly Engineering Department Report Information Item

- Staff finalized and submitted comments of the revised draft Agreement between the District and Pleasant Valley County Water District (PVCWD) to MKN and PVCWD.
- Staff attended a meeting with the City of Oxnard (Oxnard) to discuss the upcoming recycled water interconnection to the PV pipeline. The capacity of the Oxnard Advanced Water Purification Facility (AWPF) and the existing Full Advanced Treated Water (FATW) Agreement expiration date were discussed during this meeting. Oxnard requested to review the Title 22, Engineering Report for Recycled Water Distribution and Use in the Pumping Trough Pipeline (PTP) System. A second meeting with Oxnard will be scheduled in the month of November.
Staff completed the Sustainable Groundwater Management (SGM) Grant quarterly Progress report covering the work completed between July 1 and September 30, 2023.

7. Rice Avenue Grade Separation Project and Impact on PTP

- A joint stipulation was reached between United and CalTrans on the ingress and egress around the PTP 4 Well site. On October 12, the Chief Engineer and the Engineering Manager provided two individual declarations to the Counsel regarding a new case filed by CalTrans.

8. State Water Project (SWP) Interconnection Pipeline Project

- Staff is awaiting the City's response to our request for two separate easement deeds; one for the permanent easement and a separate one for the temporary construction easement for the project. Construction of the City of Ventura's portion of the interconnection pipeline is anticipated to start in Summer 2024 and be completed by the end of 2026. The total cost of the project is estimated at \$50 million, and the anticipated grant funding secured to date is approximately \$5.3 million.

9. Freeman Conveyance System Upgrade - Freeman to Ferro

- The permit package for the Three Barrel Culvert was formally accepted by the Ventura County Public Works Agency – Watershed Protection. Comments are expected by November. Staff are coordinating internally to identify the environmental permitting requirements to obtain an Army Corp of Engineers Section 408 Permission to construct the culvert upgrade. A 408 Permission is required due to the Santa Clara River Levee System, which crosses over United's Main Canal.
- United executed a task order for \$92,100 with HDR Engineering Inc. for the hydraulic analysis, alternative assessment, and preliminary design of the connection between Noble and Ferro. Staff met with HDR on site in late September. The draft preliminary design report is expected in late November.

10. Extraction Barrier and Brackish Water Treatment Project

- Agreements:
 - New Monitoring Wells: An amendment is needed to an existing license agreement that covers access, maintenance, operation, and data collection for existing monitoring wells (22, A1, A-2, CM-1, CM-2, CM-1A, CM-6 and Q2). The amendment will include new
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4.5 Monthly Engineering Department Report Information Item

monitoring wells (EM-1 through 5) planned for installation in 2024. Minor adjustments to the site locations have been requested by the Navy and are currently under review by District staff. This amendment is pending site approval by the Navy which is expected to be done by late-2023.

- The Memorandum of Agreement (MOA) between UWCD and the Navy to develop roles and responsibilities for the Phase 1 project is currently with the Navy's Admiral Rosen for signature before it will be delivered to the District's General Manager for signature and presented to the Board of Directors as an informational item in late-2023.
 - The eighth version of the draft Letter of Request (LOR) initiating the Navy's real estate process for an outgrant easement for the Phase 1 project was finalized and submitted to the Navy for review.
 - Grants:
 - The District is currently working with the State Water Resources Control Board (SWRCB) Division of Financial Assistance (DFA) staff in development of a grant agreement for the \$8,449,062 grant that was approved on March 6, 2023, for the Phase 1 project. Execution of the grant agreement is anticipated by December 2023.
 - The District received a notice of non-award on August 8, 2023 for its grant application submitted on June 23 requesting \$20 million in Federal funding assistance under the Defense Community Infrastructure Program (DCIP) provided by the Office of Local Defense Community Cooperation. The District held a debrief meeting with the OLDCC on October 31, 2023.
 - Meetings:
 - Held weekly internal meetings between Engineering, Environmental, and Water Resources staff to discuss progress on agreements with the Navy (MOA, Outgrant Easement), grants (SGM, GWGP, DCIP), CEQA/NEPA documentation preparation, permitting agency engagement, discharge, and pipeline alternatives evaluation, well site suitability analysis, coastal water quality sampling and groundwater flow modeling.
 - Held monthly NEPA/CEQA "Drumbeat" meetings with District, ESA Consultants and Navy NEPA staff and Subject Matter Experts (SMEs).
 - District staff held two progress meetings with the Phase 1 project design team, KJ.
 - District staff held four progress meetings with the Phase 1 project CEQA and permitting team, ESA Consultants.
 - Nov 2, held a monthly progress meeting with Navy staff.
 - Design:
 - The Well Site Suitability TM is currently under development and will include an evaluation of well construction and development options.
 - CEQA/NEPA/Permits:
 - Please see the Monthly Environmental Services Department Report for updates on the Project's environmental compliance and permitting process.
 - Geotech/Hydrogeology:
 - District staff received two (2) proposals from geotechnical consulting firms (Earth Systems and Ninyo & Moore) to conduct geotechnical exploration activities and prepare a geotech report along the proposed pipeline alignments and extraction well
-

4.5 Monthly Engineering Department Report Information Item

sites. Staff is currently reviewing the proposals and negotiating with the selected proposer.

11. Asset Management/ CMMS System

- No updates to report.

12. OH Water Well No.20

- A construction agreement with the General Pump Company for the OH Water Well No.20 Pump and Motor was executed on October 05, 2023.

13. Lake Piru Recreation Area – Pavement Maintenance Program

- Project is completed. No further updates.

14. Other Topics, Meetings and Training

- October 3 and 13 - Staff received the Annual Inspection Report(s) from FERC that covers FERC inspection to the Santa Felicia Dam from 2019 through 2023. FERC did not have any comments or recommendations to be considered.
- October 18 - Maryam Bral, Craig Morgan, Michel Kadah, Adrian Quiroz, and Clayton Strahan attended FERC-D2SI Security Branch Fall Webinar for Licensees/Exemptees - ASCC Requirements and Security Inspections Findings.
- October 20 - Staff received a letter from FERC that concludes their findings after reviewing the 2022 Dam Safety Surveillance and Monitoring Report (DSSMR). FERC had no comments or recommendations to be considered.
- October 24 – Maryam Bral and Craig Morgan attended the El Rio and Las Posas Estates Water Infrastructure Forum - Initial Stakeholder Meeting.
- October 25 - Robert Richardson attended the AWA / CCWUC Education Program entitled “Annual Update: California Division of Drinking Water Regulations – What’s new for upcoming 2024 regulations?”
- October 25 - Nathan Summerville attended the AWWA California and Neva Section Annual Fall Conference entitled “All In, On Water Education”.



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: Marissa Caringella, Environmental Services Manager

Date: October 30, 2023 (November 8, 2023 meeting)

Agenda Item: 4.6 Monthly Environmental Services Department Report
Information Item

Staff Recommendation:

The Board will receive this summary report from the Environmental Services Department regarding its activities for the month of October 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. Beginning each October 1, at the start of the water year, United shall release a minimum flow of seven cubic feet per second (cfs) into Piru Creek below Santa Felicia Dam. The minimum required habitat water release starting October 1 through January 1 is seven cfs.

- Santa Felicia Fish Passage Pre-Implementation Studies

On October 4, 2023, Environmental Services staff (ES) hosted a Santa Felicia Fish Passage Science and Technology Panel meeting, per FERC requirements. The meeting was attended by staff from FERC, U.S. Fish and Wildlife Service, National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW), U.S. Forest Service Los Padres, Stillwater Sciences, and Cramer Fish Sciences (CFS). Staff presented on Santa Felicia Fish Passage Pre-Implementation Study activities conducted to-date, future plans, and regulatory considerations.

4.6 Monthly Environmental Services Department Report Information Item

In October, CFS staff, with support from ES, Water Resources, and Recreation staff, sampled for *Oncorhynchus mykiss* in middle Piru Creek for the third and final phase of the Fish Passage Feasibility Assessment Study Plan. From October 9 to 13, 2023, teams sampled remote portions of middle Piru Creek and Agua Blanca with backpack electrofishers. From October 16 to 20, 2023, teams sampled in more accessible areas of middle Piru Creek, downstream of Pyramid Dam, and scouted potential fish trap locations upstream of Lake Piru. Captured *O. mykiss* were weighed, measured, implanted with Passive Integrated Transponder (PIT) tags, and sampled for scales (age) and fin clips (genetics). Teams are on-track to fulfill the permitted limit of PIT tagging 700 individual *O. mykiss*. Fish trap and PIT antenna reinstallation is planned for early November 2023.

- Santa Felicia Dam Safety Improvement Project (SFDSIP)

On October 3, 2023, FERC issued a notice denying NMFS' late Motion to Intervene on the SFDSIP. NMFS filed the late Motion to Intervene with FERC on August 29, 2023, and in response, United filed an Opposition to NMFS' late Motion to Intervene on September 13, 2023.

- Habitat Improvement Plan

On October 6, 2023, United filed a supplemental status update with FERC regarding filing the Lower Piru Creek Habitat Improvement Plan (HIP) with FERC for approval. The status update included a request for an extension of time due to not receiving comments or agreement from NMFS within the standard review timeline. On May 8, 2023, United provided a draft HIP to NMFS for review and agreement and filed the draft with FERC. United is currently waiting for NMFS' review and agreement on the draft, which is required to file the final HIP with FERC.

2. Lake and Streambed Alteration (LSA) Agreement for Freeman Diversion Routine Maintenance

On September 27, 2023, CDFW sent a request for additional information regarding United's LSA notification for Freeman Diversion Routine Maintenance (submitted on August 25, 2023). On October 11, 2023, ES staff met with CDFW LSA permitting staff to review CDFW's information request. ES will submit the requested information to CDFW by the end of October. CDFW then has 30 days to review for completeness and 60 days to issue a draft agreement.

3. Freeman Diversion Operations

During the month of October, Operations and Maintenance staff conducted flushing operations to minimize sediment deposition in the Freeman Diversion facility. ES supported Operations and Maintenance activities one or more times a week by providing field support, surveys of dewatered areas, on-site biological monitoring, and issuing agency notifications when appropriate.

- Freeman Diversion Sediment Management

On October 23, 2023, ES filed a Cowbird Trapping Report with CDFW in accordance with the conditions of a LSA Agreement for the Freeman Sediment Management project work completed in November 2022. Specifically, as mitigation for the project, United is required to operate a

4.6 Monthly Environmental Services Department Report Information Item

single cowbird trap in the Santa Clara River for a period of three years. Griffith Wildlife Biology successfully operated a cowbird trap from April 1 to July 6, 2023, near the Freeman Diversion on behalf of United. The trap captured a total of 18 cowbirds. ES will continue to coordinate with CDFW staff for future trap operations planned for 2024 and 2025. The next Cowbird Trapping Report is due October 31, 2024.

4. Freeman Diversion Multiple Species Habitat Conservation Plan

On October 13, 2023, the 30-day public scoping period required following the distribution of the Notice of Preparation ended, and comments received will be considered in the preparation of a draft Environmental Impact Report (EIR) as required under the California Environmental Quality Act. Under the terms of the Joint Stipulation in the *Wishtoyo et al. v. United* case, the draft EIR, the Multiple Species Habitat Conservation Plan, and regulatory applications must be submitted by February 9, 2024.

5. Quagga Mussel Management

Throughout the month of October, ES continued conducting all quagga mussel monitoring activities on Lake Piru, lower Piru Creek, and the spillway pool according to the Quagga Mussel Monitoring and Control Plan.

ES continued weekly quagga mussel veliger (larva) sampling of United's lower system. United staff continues to meet regularly with Pleasant Valley County Water District to address detections in the lower system and to discuss ongoing chemical treatments and future options.

6. Miscellaneous

- On October 4, 2023, ES attended a Quagga Mussel and Veliger Workshop led by Kelly Stockton-Fiti. Kelly discussed quagga mussel and veliger biology, identification, and best practices and techniques for field collection and lab processing. The information supported new staff training and will improve protocols for District quagga monitoring.
- On October 12 and 13, 2023, Marissa Caringella attended the California Association of Lake Managers annual conference.
- On October 17, 2023, ES conducted an annual arborist survey of 48 sycamore trees planted at the Lake Piru Group Camp #2 as replacement (i.e., mitigation) trees associated with the 2018 Park Services Office Replacement project. The replacement trees maintain the minimum cross-sectional trunk area requirement as specified in the project permits and plans. On October 19, 2023, ES submitted the annual arborist monitoring report to the Ventura County Planning Division.
- On October 19, 2023, ES attended the AWA WaterWise Breakfast presentation titled "El Nino is Forecasted - Plan and Prepare!"

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

- On October 26, 2023, ES attended the Santa Clara River Watershed Committee Meeting and the Water Sustainability Summit.
- On October 27, 2023, ES attended the California Central Coast Wildlife Society's Annual Wildlife Symposium in San Luis Obispo.



Staff Report

To: UWCD Board of Directors

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

From: Anthony A. Emmert, Assistant General Manager
Brian H. Zahn, Chief Financial Officer
Josh L. Perez, Chief Human Resources Officer
Clayton W. Strahan, Interim Chief Operations Officer
Tony Huynh, Risk and Safety Manager

Date: October 23, 2023 (November 8, 2023, meeting)

Agenda Item: **5.1 Approving the General Manager to Conduct Budget Transfers and Expenditures for Radio System Enhancement along with Execution of Memorandum of Understanding with the County of Ventura**
Motion

Staff Recommendation:

The Board will review and consider for approval the motion approving the General Manager to transfer money, within the current budget, and to subsequently procure items required for a radio systems enhancement. The General Manager will also execute a Memorandum of Understanding (MOU) with the County of Ventura (County) as part of this proposal.

Background:

Staff have been evaluating existing radio hardware and infrastructure. While testing the capabilities of existing radio equipment in activating the Santa Felicia Dam siren, staff consulted with County OES and IT partners and became aware of the County's new regional radio system. On June 20, 2023, the Ventura County Board of Supervisors approved \$32,239,081.00 for the upgrade of the existing County radio and microwave system to digital operating on the 700 MHz Public Safety Band. Local law enforcement agencies along with the District Attorney's Office and Probation Agency have agreed to upgrade their radios and participate in this County-led regional radio system.

The District's Park Rangers are currently communicating with the Ventura County Sheriff's Office and Ventura County Fire Department on the 460 MHz band. Once the County transitions to the 700 MHz band, Rangers staff will be unable to communicate with Sheriff's dispatch. From a public safety perspective, the ability to communicate in real-time with the Sheriff's office is critical to the public safety of Lake Piru visitors and staff. Additionally, this radio system would not only future proof the District radio capabilities, but also provide access to the County Information Technology resources for technical support. All maintenance and repairs will be handled by Ventura County Information Technology. The Ventura County Board of Supervisors recently approved a similar process for their CEO to execute.

Agenda Item: 5.1 Approving the General Manager to Conduct Budget Transfers and Expenditures for Radio System Enhancement along with Execution of Memorandum of Understanding with the County of Ventura
Motion

A review of existing radio inventory also determined that some existing District radios are currently more than two decades old. Some parts are no longer produced or serviceable. This new radio system would be incorporated into both day-to-day operations as well as emergency response capabilities and routinely tested by staff. The radio system would be complementary to the AT&T FirstNet services currently in place and provide additional redundancy. Furthermore, the dual-bands radios that are part of this effort would also be compatible with the activation of the Santa Felicia Dam sirens.

By participating in this regional radio system, the District would also benefit from the 40% discount offered to agencies who sign on by December 15, 2023, and provide us one seat on the Ventura County Radio System Oversight Committee regarding radio systems. This cost-savings translates to a saving of an estimated \$167,935.00 versus the retail price if a decision is made after this deadline.

Fiscal Impact:

Upfront expenses for hardware, accessories, and implementation plus subscription fees total to \$274,894.24. Budgets transfers are coming from various GL accounts and transfer of funds from CIP 8058.

The annual subscription fee to Motorola Solutions is \$1,484.30 while the annual cost to participate in the County regional radio system is \$11,736.48 (at \$19.96 per radio/month plus an automatic 4% COLA annual increase). Staff reviewing the request have assessed the current cost of maintenance for our system annually to be far greater than the cost above. Thus, it is anticipated outside of the acquisition of assets, that an annual cost savings will ultimately result while dramatically enhancing responsiveness, communication, and efficiency.

Attachment:

None.

\$300M drought-busting water treatment facility in works at Naval Base Ventura County



Brian J. Varela

Ventura County Star



A local water district is in the early stages of building a \$300 million drought-busting water treatment facility at Naval Base Ventura County that will supply the much-needed resource to the base and surrounding areas.

At a water sustainability summit on Thursday, United Water Conservation District officials said the agency has secured \$8.6 million plus \$1.3 million in expected state grants that will carry the project through its first phase.

“It will create a new, reliable (water) supply that is not affected by drought,” Maryam Bral, United’s chief engineer, said Wednesday.

By pumping out and filtering brackish groundwater, the facility can hinder seawater intrusion into the Oxnard and Pleasant Valley basins while restoring aquifers, she said. The project would also diversify the local water supply.

Once fully operational, the facility will produce at least 5,000 acre feet of treated water per year, Bral said. That’s about 1.6 billion gallons annually.

About 20% of the water will be set aside for the naval base, Bral said. The remaining 80% will go toward the Oxnard Basin.

Headquartered in Oxnard, the water district encompasses about 214,000 acres that straddle the Santa Clara River from Lake Piru to the coast. United Water doesn’t directly supply residential customers, but its groundwater is used by Fillmore, Santa Paula, Ventura, Oxnard and Port Hueneme.

Groundwater will not be filtered in phase one. Instead the water district will install extraction wells, pipelines and a discharge facility. Staff will also collect data to develop phase two.

Construction on phase one is expected to start in 2025 and be completed by the following February. It’s anticipated to be funded by grants from the State Water Resources Control Board and the Department of Water Resources.

Phase two will build out the remaining infrastructure and buildings for the facility at Point Mugu. Construction is expected to start in 2027 and wrap up in 2030, Bral said.

The water district has already identified state and federal sources of revenue it will seek to fund the second, more costly phase.

It aims to secure a water infrastructure improvement grant from the United States Bureau of Reclamation and a community infrastructure grant through the the Department of Defense, according to district documents. Funds are also available under Proposition 68, which frees up money for projects that restore the state's natural resources.

Mauricio Guardado, United's general manager, said in an email Friday the entirety of the project will be paid for by state and federal grants. Once the first phase is completed, United will ramp up its efforts to secure funding for the final phase, he said.

The facility's cost will not be passed down to the ratepayers, he added.

Guardado said Wednesday he was confident the water district would get enough funding thanks to years of planning that have gone into the project. The water district's partnership with the Navy also opens up new funding options.

United is currently finalizing a 99-year easement agreement with the Navy for the use of between 11 and 14 acres of land.

The naval base is located near the Mugu Trench where the groundwater discharges, said Nathan Jacobson, the naval base's water program manager, on Thursday.

Brian J. Varela covers Oxnard, Port Hueneme and Camarillo. He can be reached at brian.varela@vcstar.com or 805-477-8014. You can also find him on Twitter @BrianVarela805.



Water treatment center for Ventura County at Point Mugu

By [Scott Hennessee](#)

FOLLOWFOLLOW "" TO RECEIVE NOTIFICATIONS ABOUT NEW PAGES ON "".

Published [October 26, 2023](#) 7:18 pm

OXNARD, Calif. - A \$300 million water treatment plant is set to be built at Naval Base Ventura County Point Mugu. It is a partnership between the United States Navy and United Water Conservation District.

The brackish water treatment plant "will bring approximately three billion more gallons of water annually to Ventura County," said Mauricio Guardado, United Water Conservation District Chief.

The District manages the groundwater resources utilized by the cities of Oxnard, Port Hueneme, Ventura, Santa Paula and Fillmore, as well as several mutual water districts, farms and individual pumpers.

The project is being funded by state and local grants. Guardado says \$10 million in grants has been secured so far.

"Essentially, there is a sea water intrusion plume that hasn't been resolved for actually, believe it or not, a century," Guardado said. "This project will resolve that finally."



3 Years After Construction Began, 1st Phase of High Desert Water Bank Unveiled

After three years of construction, water officials announced Monday the completion of the first stage of a groundwater storage project they say will “significantly increase” Southern California’s water supply in the face of a “rapidly changing climate.”

Officials from the Metropolitan Water District of Southern California and the Antelope Valley-East Kern Water Agency gathered in Lancaster to celebrate the High Desert Water Bank, which will allow Metropolitan to store water from the State Water Project in the Antelope Valley groundwater basin.

The State Water Project is a multi-purpose water storage and delivery system that extends more than 705 miles to 27 million Californians, 750,000 acres of farmland and businesses throughout the state, according to the California Department of Water Resources.

“This investment makes all our communities better prepared for the weather extremes that we increasingly confront,” Adán Ortega Jr., MWD board chair, said during a ceremony Monday morning. “We know that climate change will bring more of the dramatic swings between wet and dry that we saw over the last few years, so we must take every opportunity to store water when it is available.

“The great news is, we completed this work in time to take advantage of this historically wet year,” he added.

At 280,000 acre-feet, officials say the water bank's capacity is comparable in size to Castaic Lake — nearly the size of Lake Perris and four times the capacity of Big Bear Lake.

The water bank will allow Metropolitan to annually store and withdraw up to 70,000 acre-feet of water — enough to serve the annual needs of 210,000 Southern California homes.

According to water officials, the water bank will take water directly from the East Branch of the State Water Project's California Aqueduct and move it into recharge basins, where it percolates into the underlying aquifer. When water is needed, it can be pumped out using newly built wells and delivered to Southern California communities through the California Aqueduct.

Matthew Knudson, general manager of the Antelope Valley-East Kern Water Agency, said they designed the project to ensure it provides "maximum benefit" to SoCal communities. He added, "This water will be available during extreme droughts or emergencies, when there is limited other water available through the State Water Project.

According to Adel Hagekhalil, general manager of Metropolitan, the water bank will reduce SoCal's reliance on the Colorado River — which faces a "structural imbalance and requires significant cutbacks by all river uses."

Hagekhalil also called on SoCal residents to be more efficient with their water use, and added, "Metropolitan is also making big investments to adapt to future stresses on our water supplies."

Water officials, during the ceremony, announced a process called the Climate Adaption Master Plan for Water, which is intended to help determine the types of additional investments necessary for water supply reliability in response to a changing climate.

The partnership between Metropolitan and Antelope Valley-East Kern to build the High Water Bank began in 2019.

Metropolitan provided \$211 million for construction of the project on Antelope Valley-East Kern property that was formerly farmland and vacant land.

Water officials said the first phase of the project resulted in the construction of the stage 1 recharge basins, which are approximately 40% of the total recharge area; 10 recovery wells; five monitoring wells; and the turn-in/turn-out facilities from the California Aqueduct.

Antelope Valley-East Kern is currently building the stage 2 recharge basins and over the next couple of years will construct 17 additional recovery wells for a total of 27 wells, and an arsenic treatment facility.

The High Desert Water Bank is expected to be fully operational in 2027.

“This is a shining example of a multi-benefit project that is good for AVEK and Metropolitan customers, the Antelope Valley, and all of Southern California,” George Lane, AVEK board president, said in a statement. “We hope this project showcases what is possible when two agencies commit to shared goal of water sustainability.”