



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

**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

**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. Wischart; 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 223, 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

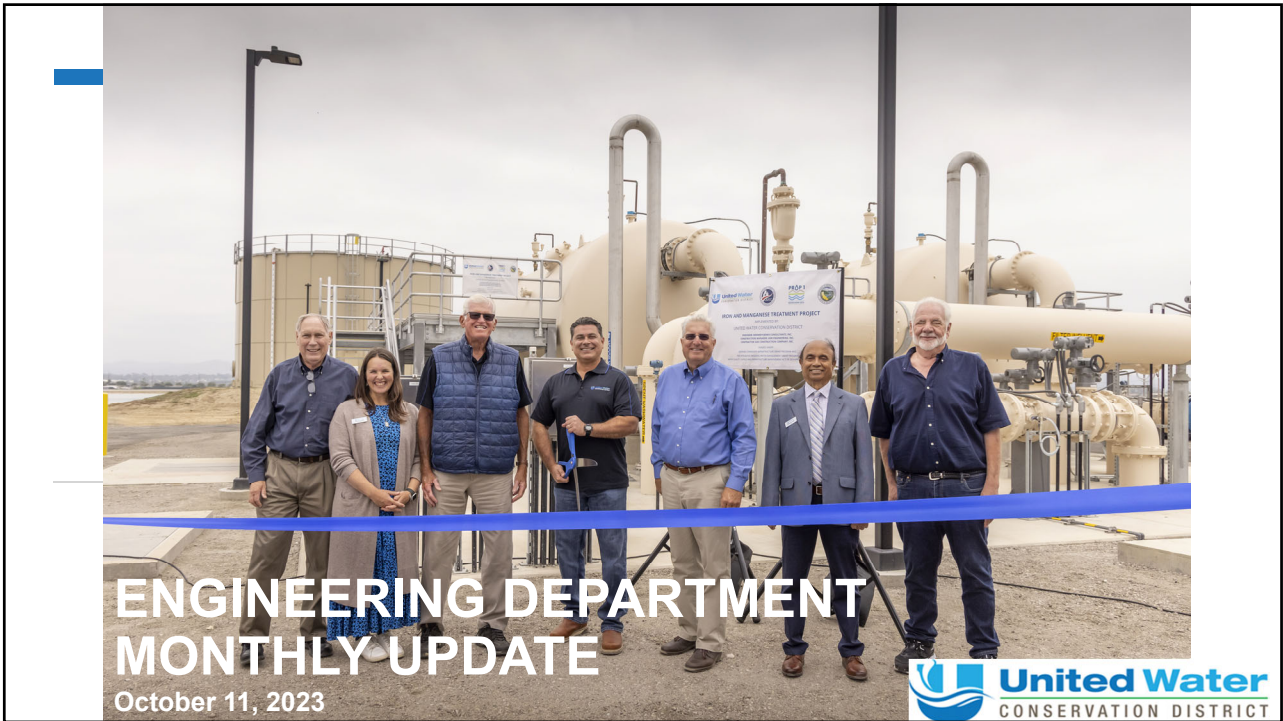


*United Water Conservation District shall manage, protect, conserve and enhance the water resources of the Santa Clara River, its tributaries and associated aquifers, in the most cost effective and environmentally balanced manner.*

REGULAR BOARD OF DIRECTORS MEETING

October 11, 2023

1



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## 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



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Regulatory

## Santa Felicia Dam Safety Improvement Project

### Environmental Permitting and Agency Consultation

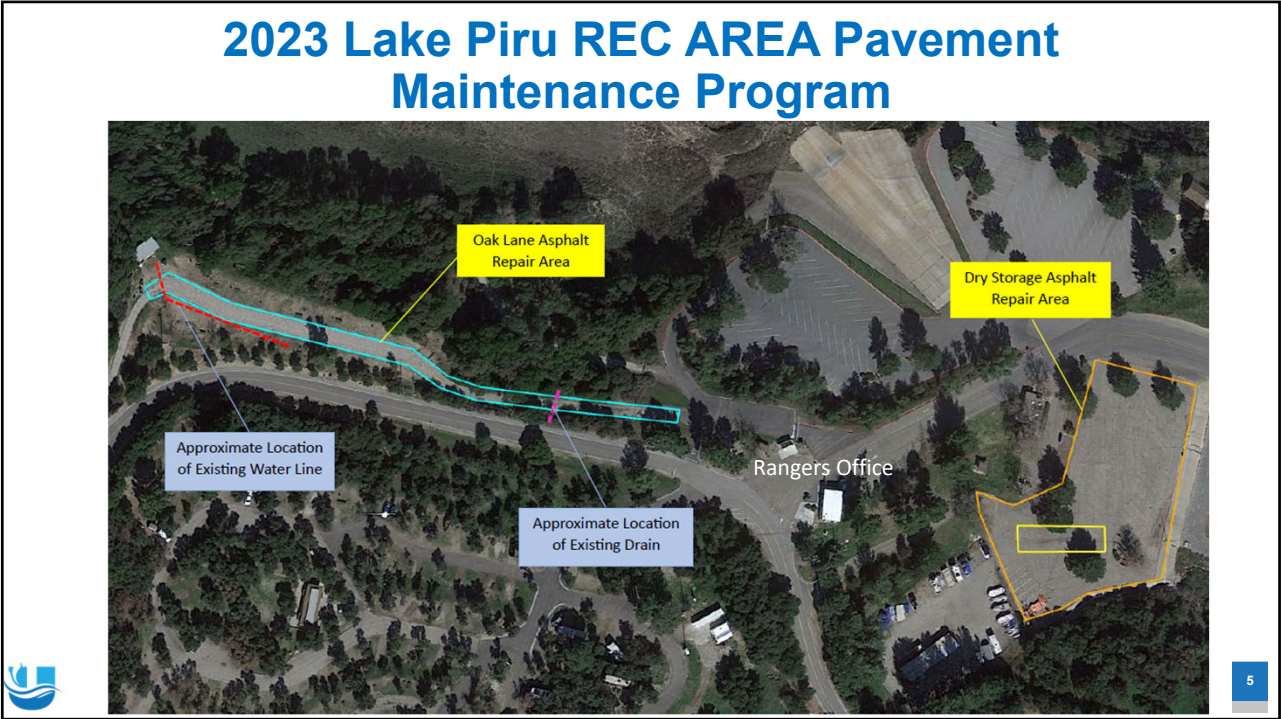
- ☐ NMFS Late Motion Denied – FERC issued Notice Denying Late Intervention on October 3
- ☐ Opposition to Motion: United filed Opposition to NMFS late motion on September 13.
- ☐ United's letters to FERC (September 12).
  - Request for non-federal designation to conduct ESA Section 7 consultation with 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.



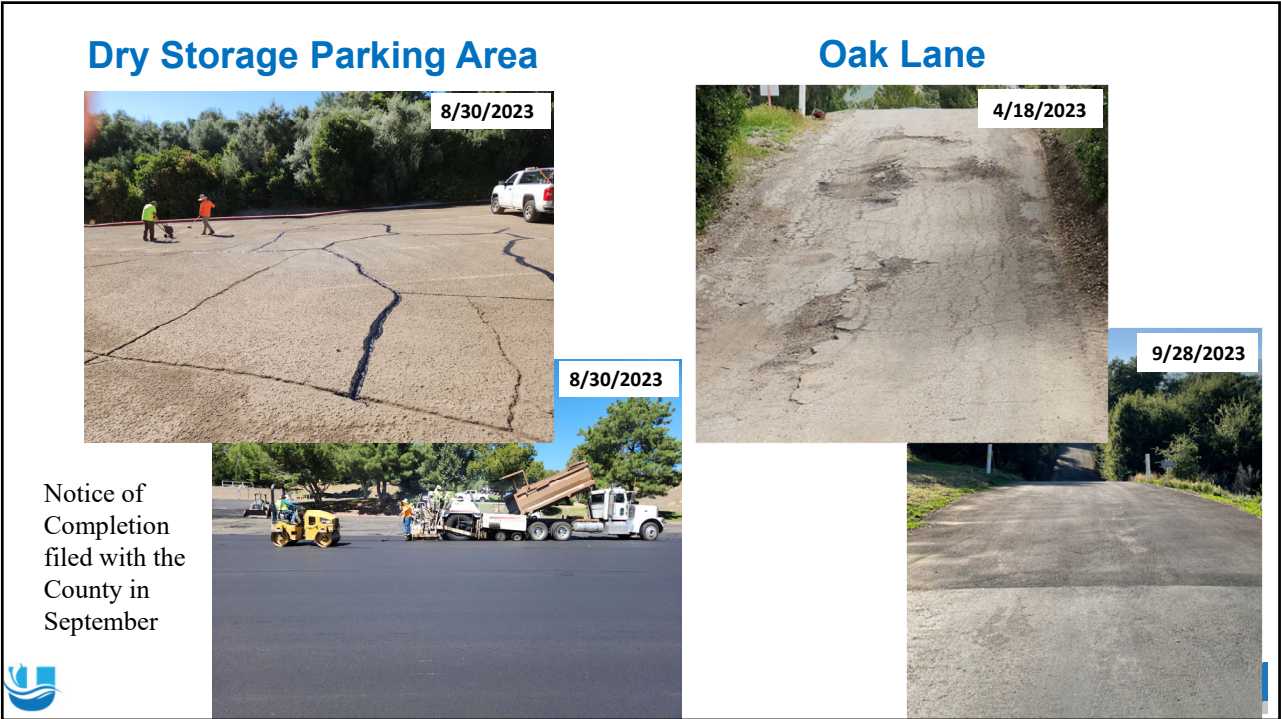
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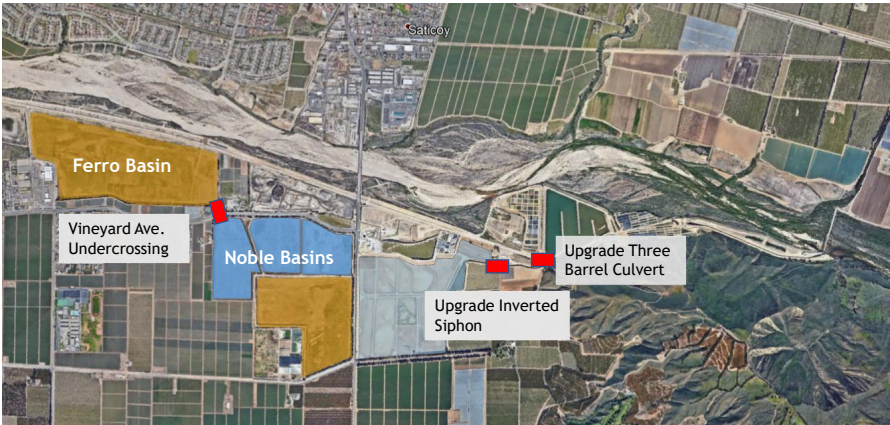
### Filter Media Backwash






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### 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

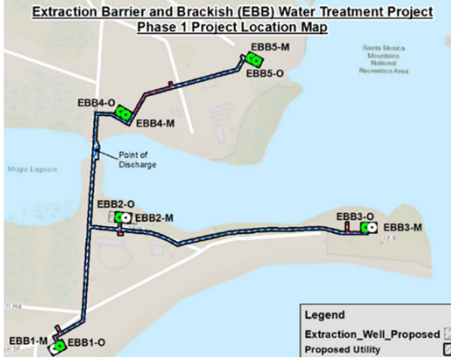


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## Extraction Barrier and Brackish Groundwater Treatment - Phase 1

- ❑ **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)*



11

11

## Public Outreach

Newark Desalination Facility and Aquifer Reclamation Wells visit in August



8/8/2023

12

12

Thank You



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



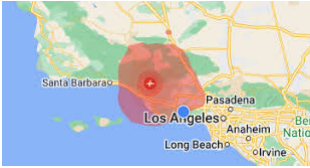


*October 2022 through October 2023*



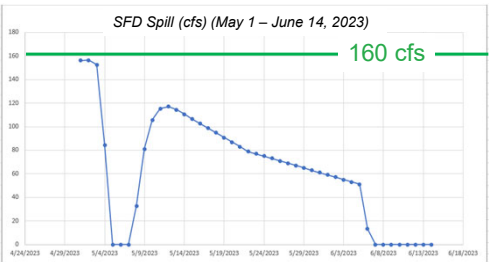

# Dam Safety Incidents

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

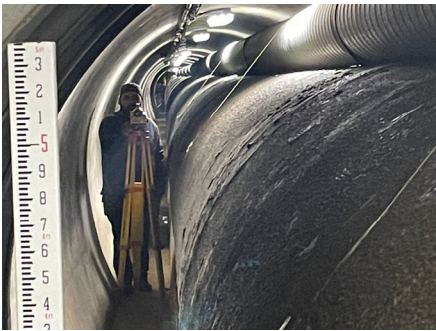
## Monitoring Activity and Highlights

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



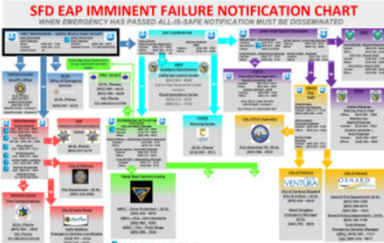
2022 EAP Tabletop Exercise  
*October 20, 2022*

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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QUESTIONS ?

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**ENVIRONMENTAL SERVICES DEPARTMENT  
SEPTEMBER UPDATE**

October 11, 2023



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# Freeman Diversion Operations

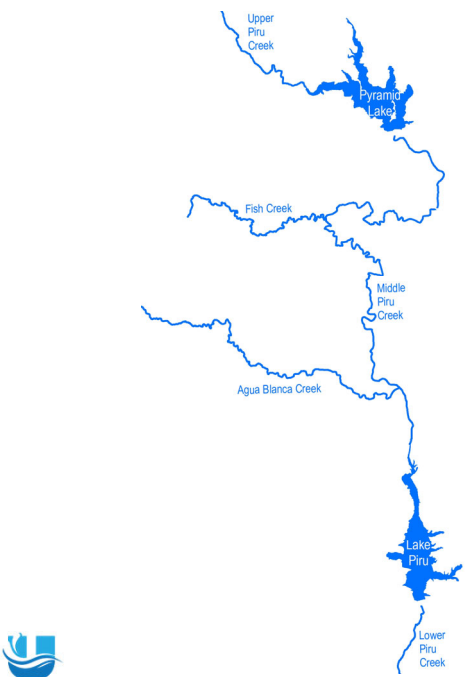
- Flushing operation support
- Maintenance activity planning
- MSHCP to be submitted Feb 9, 2024



# 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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## 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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### PV Reservoir





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### OH Delivery

#### El Rio Recharge Basins – SCBA Training





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# El Rio Booster Plant

## Nh3 Stalactite removal / repair





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# FeMn

## Ribbon Cutting





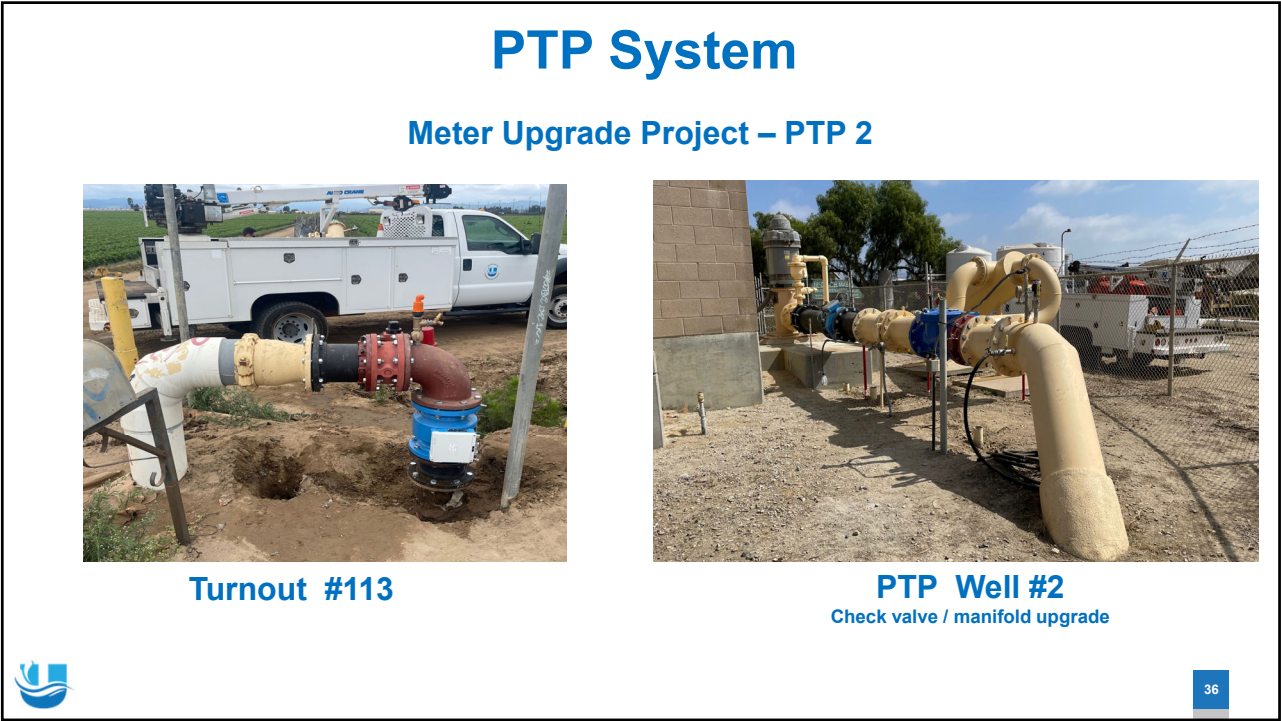
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# Questions?



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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).

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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

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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

Don't miss it!

### HOWL AT THE MOON NIGHT FISHING

Lake Piru Recreation Area  
4780 Piru Canyon Road, Piru

7 p.m. to 1 a.m. on the first Saturday of the month, May - September


MAY 6 • JUNE 3 • JULY 1 • AUGUST 5 • SEPTEMBER 2

ADMISSION:  
\$5 for walk-ins  
\$10 cars

Lake Piru Recreation Area

#EXPLORELAKPIRU

For more information, visit [explorelakepiru.com](https://explorelakepiru.com) or call 805-521-1



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## PARK VISITATION AND REVENUE RECAP

### Annual Month to Month Comparison

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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

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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

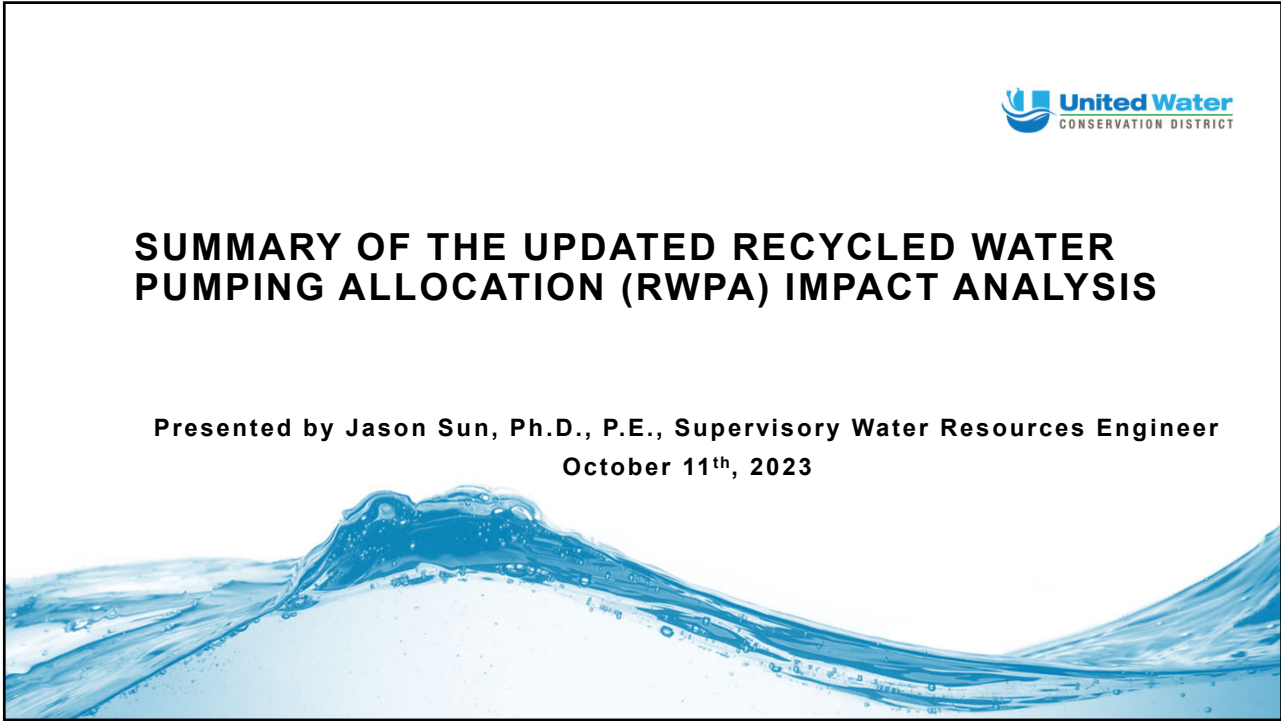
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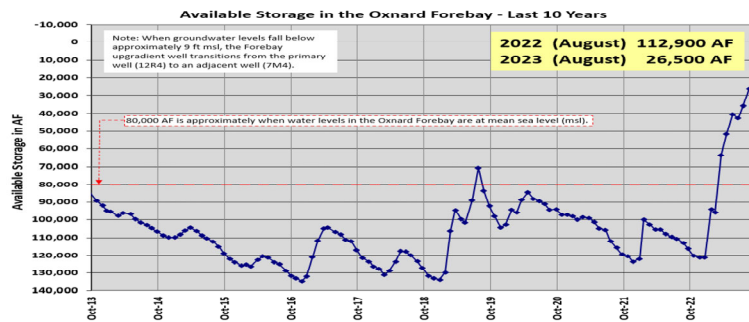


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## Resolution 2013-02

- 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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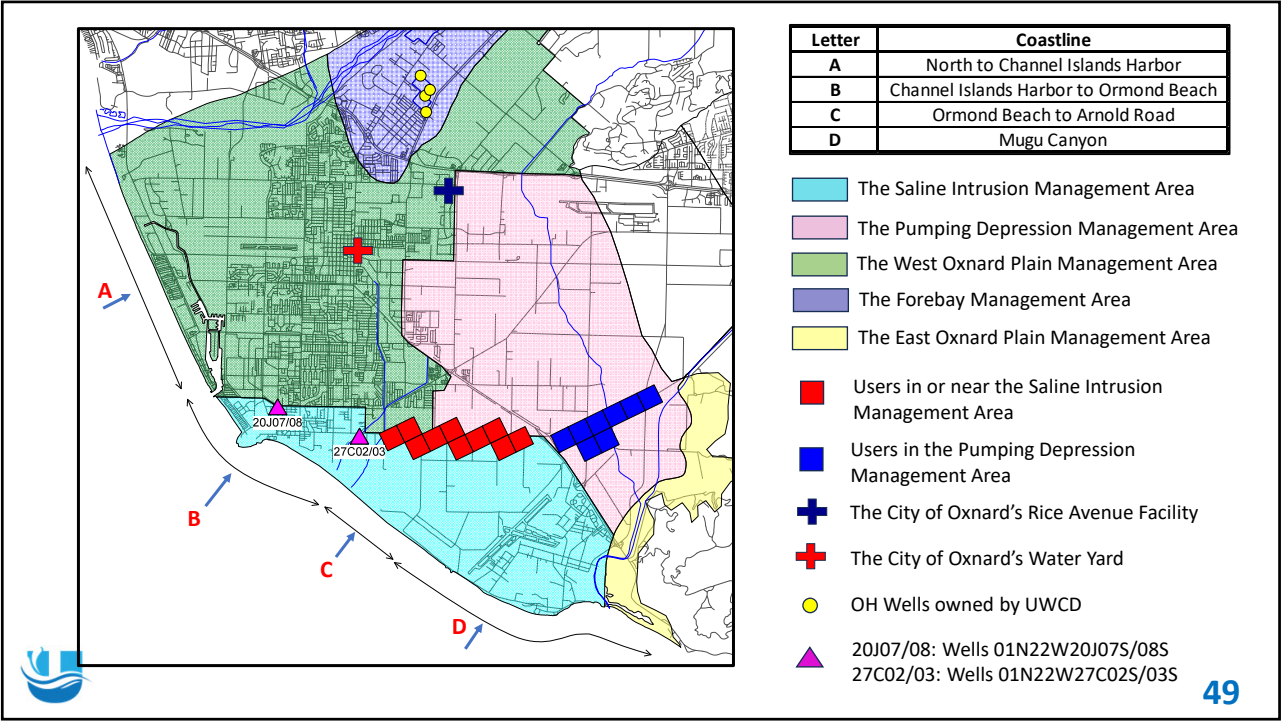
## New Resolution in Preparation

- 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.**

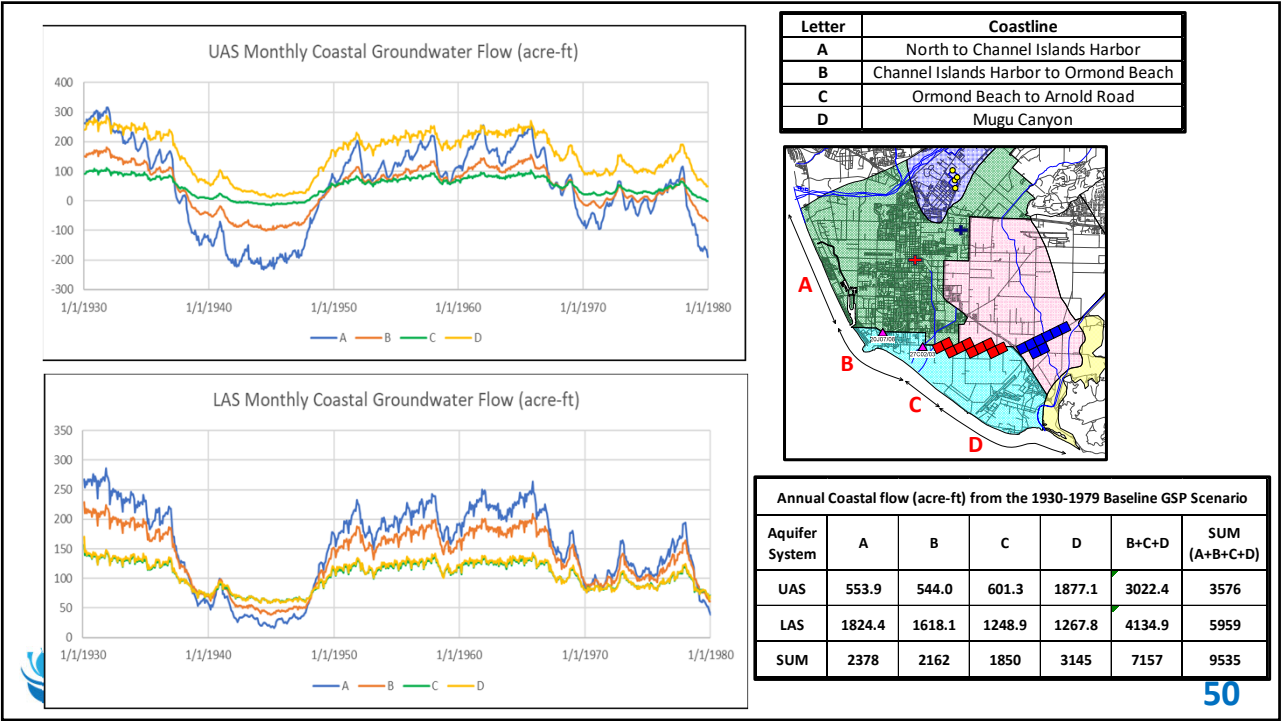


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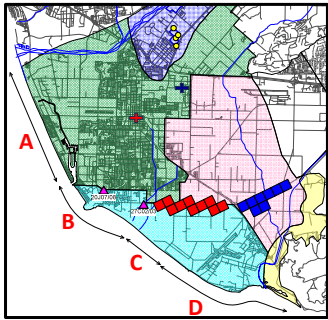
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Coastal Groundwater Flow

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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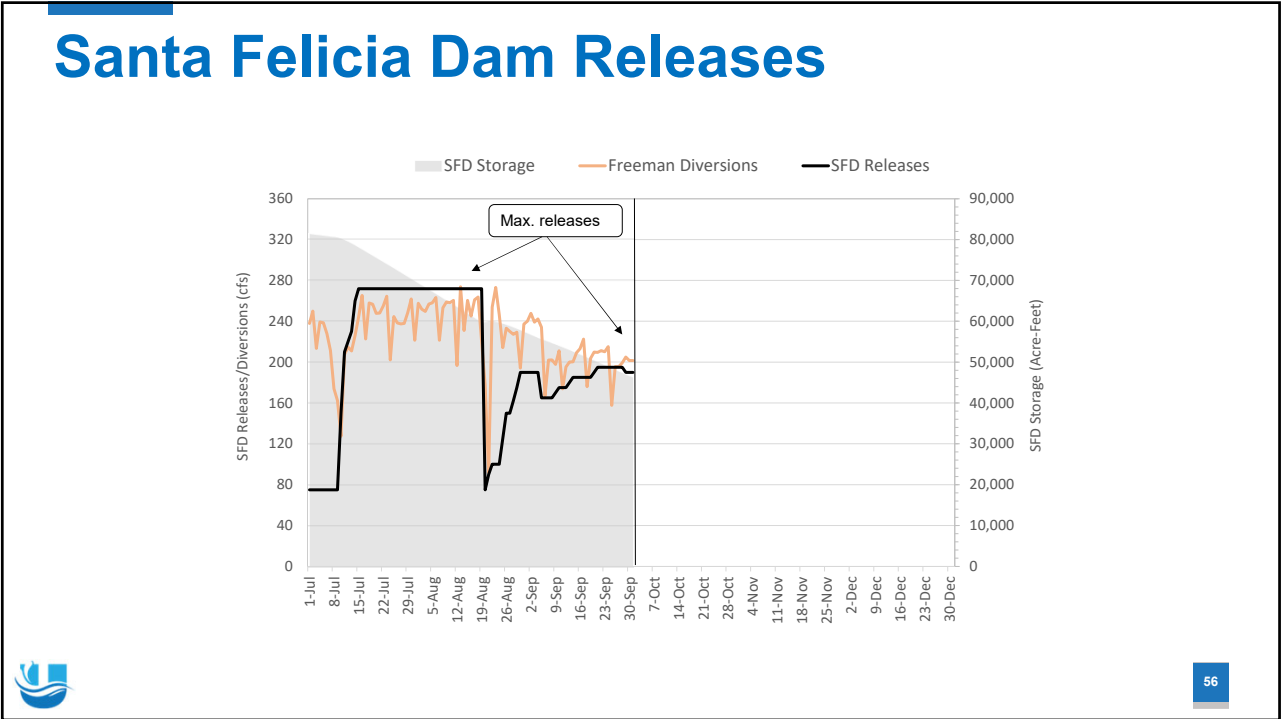


## UPDATE ON RESERVOIR RELEASES AND STATE WATER PURCHASES

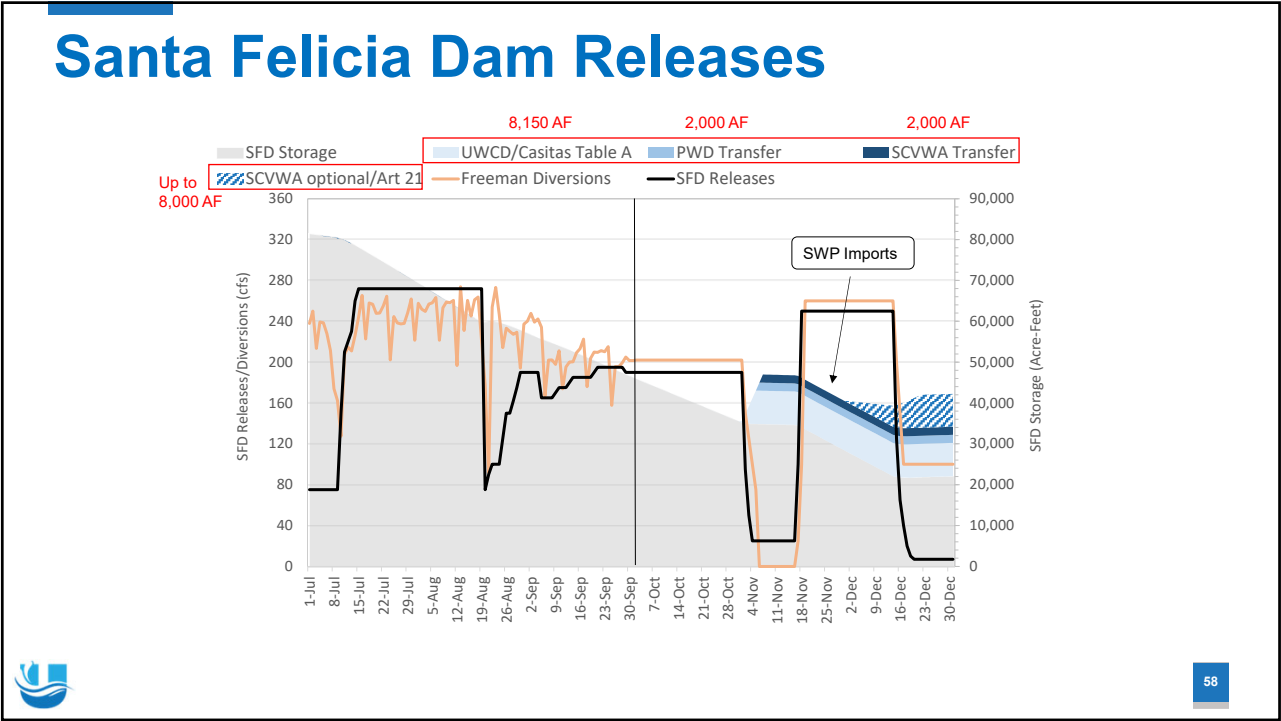
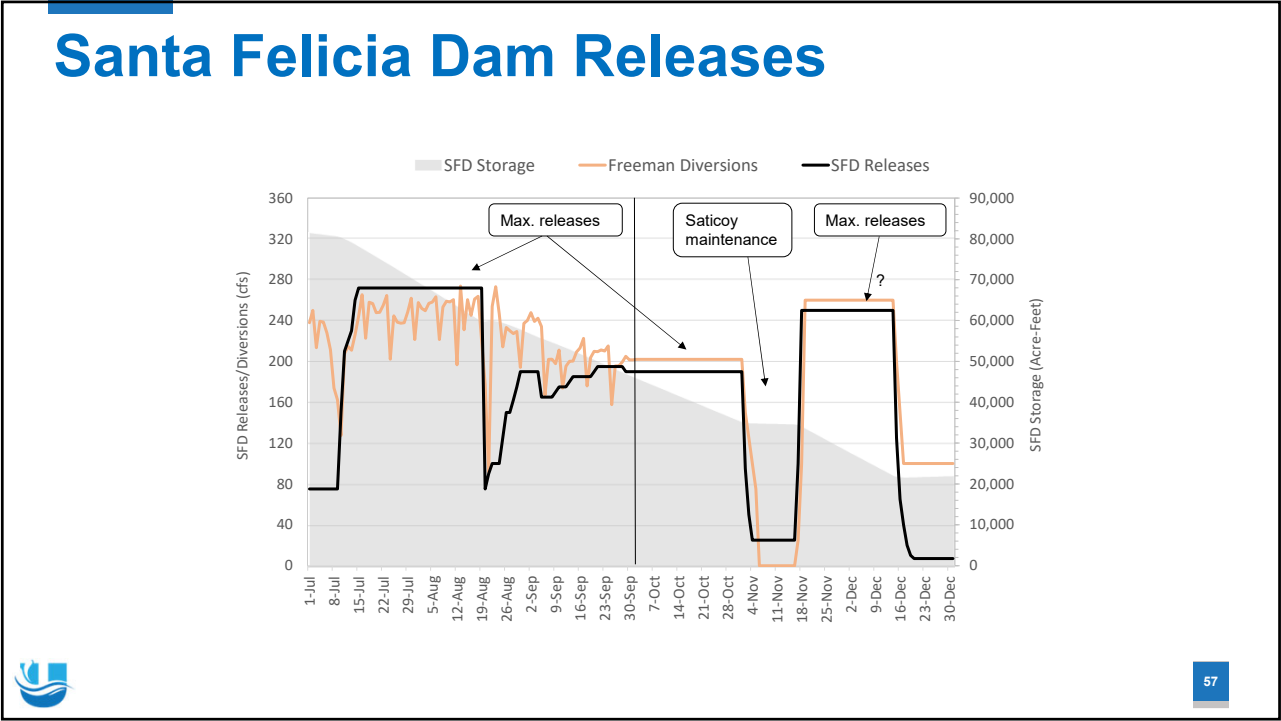
Presented by: Bram Sercu, PhD, Senior Hydrologist  
UWCD Board of Directors Meeting  
October 11, 2023



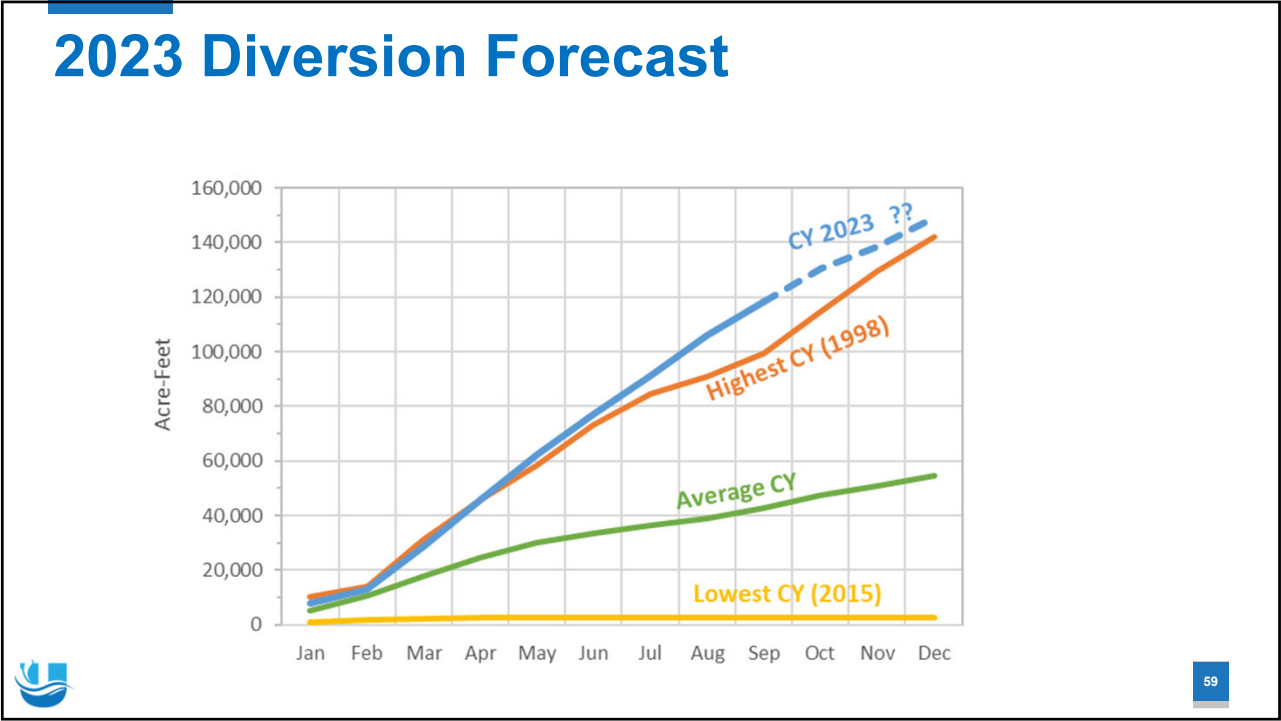
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# Questions?




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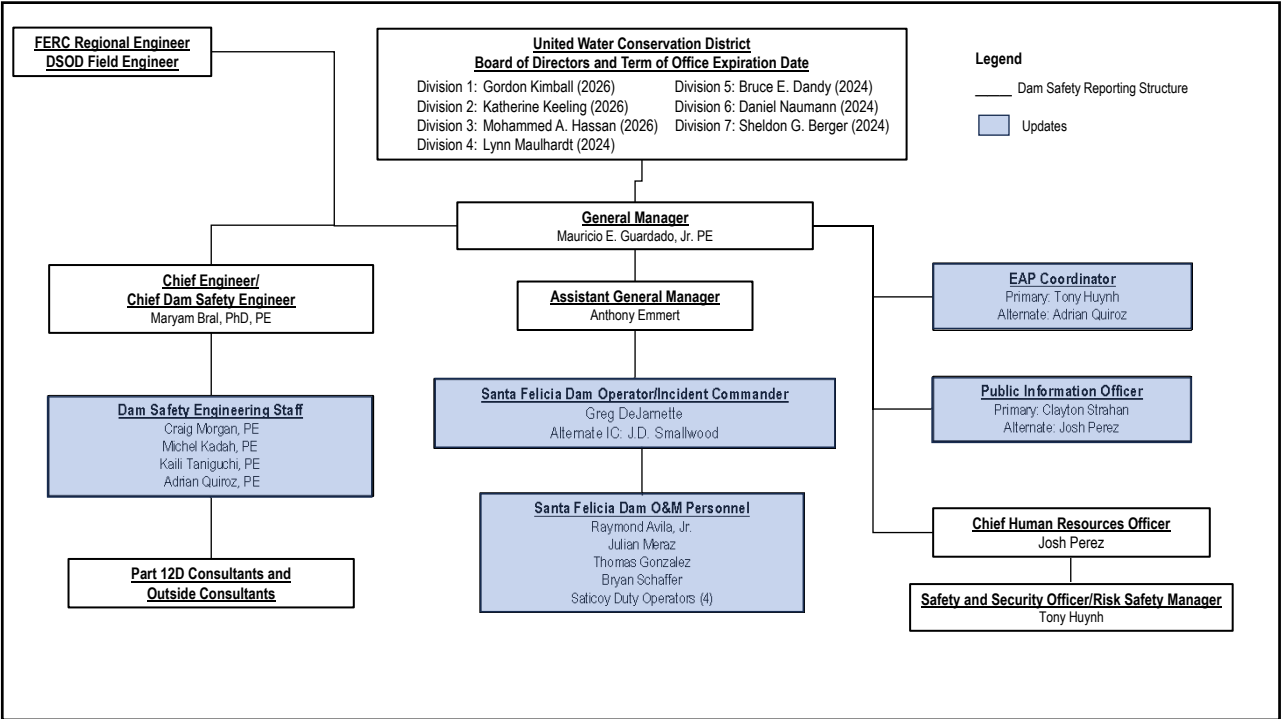
Regulatory Compliance

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

