



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

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
REGULAR BOARD MEETING
Wednesday, April 12, 2023, 12:00 noon
UWCD Headquarters' Boardroom
1701 N. Lombard Street, Oxnard CA 93030

Directors in Attendance

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

Staff in Attendance

Anthony Emmert, assistant general manager
David Boyer, legal counsel
Maryam Bral, chief engineer
Marissa Caringella, environmental services manager
John Carman, operations, and maintenance program supervisor
Dan Detmer, water resources manager
Hannah Garcia-Wickstrum, environmental scientist
Tony Huynh, risk and safety manager
Tessa Lenz, environmental scientist-regulatory affairs
Randall McNivale, principal environmental scientist
Josh Perez, chief human resources officer
Linda Purpus, environmental services manager
Bram Sercu, senior hydrologist
Kris Sofley, clerk of the Board
Clayton Strahan, chief park ranger
Brian Zahn, chief financial officer

Public in Attendance

Mark E. Capron, P.E., Ocean Foresters
Burt Handy
Steve Hongola, Rincon Consultants
Rachael Laenen, Kimball Ranches
Joe Marcinko, City of Oxnard
Jennifer Tribo, City of Ventura/Ventura Water

1. FIRST OPEN SESSION 12 noon

President Dandy called the meeting to order at 12 noon. President Dandy asked the District's Legal Counsel to summarize the items being discussed by the Board during Executive (Closed) Session.

District's Legal Counsel David Boyer stated that, pursuant to government code Section 54956.9(d)(2), one case of anticipated litigation and, pursuant to government code Section 54956.9 (d)(1), existing litigation including City of San Buenaventura v. UWCD, Wishtoyo Foundation, et al, v. UWCD, OPV Coalition v Fox Canyon Groundwater Management Agency, UWCD v United States, UWCD v California Fish and Game Commission and State of California – Department of Transportation v UWCD would be discussed by the Board during Executive (Closed) session.

1.1 Public Comment
Information Item

President Dandy asked if there were any public comments or questions.

Mark E. Capron of OceanForesters asked to address the Board. He stated: "United Water Conservation District could organize the people and water districts of Ventura and Santa Barbara counties to install a thousand small versions of the Freeman Diversion. Most diversions can be in the mountains and coupled with amunas (<https://www.climatelinks.org/photo-gallery/amuna-peru>). Diversions with amunas will better recharge groundwater during wet or dry years."

Mr. Capron continued, stating "United Water Conservation District can help others and themselves find funding for this and other climate change adaptations. Settle your legal disputes. Task your excellent engineering staff to find win-win solutions. Replace your lawyer with one who focuses on your groundwater recharge mission. Personally, I feel a large legal budget is the worst kind of big government. I don't appreciate funding lawyers on both sides of the issue. But mostly, I hate paying lawyers instead of building solutions to our water crisis."

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

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

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

2. SECOND OPEN SESSION AND CALL TO ORDER 1:05 P.M.

President Dandy called the Second Open Session of the Board meeting to order at 1:05p.m. and asked Director Berger to lead everyone in reciting the Pledge of Allegiance.

2.1 Pledge of Allegiance

Director Berger asked everyone to repeat after him and recited the Pledge of Allegiance.

**2.2 Public Comment
Information Item**

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

**2.3 Approval of Agenda
Motion**

President Dandy asked if there were any changes to the agenda. Assistant General Manager Anthony Emmert reported that there were no changes to the agenda. President Dandy then asked for a motion.

Motion to approve the agenda, Director Naumann; second, Director Berger. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy); none opposed. Motion carries unanimously 7/0.

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

President Dandy asked Mr. Boyer to report out of Executive Session. Mr. Boyer reported that the Board took no action during Executive session that is reportable under the Brown Act.

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

President Dandy asked if there were any questions or comments regarding the Board Members' Monthly Activities (aka per diem) Reports. None were offered.

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

President Dandy asked Mr. Emmert for the General Manager's report. Mr. Emmert stated that to keep the meeting moving along he had no additional statements to make under the General Manager's report.

**2.7 2023 Richard V. Laubacher Water Conservation Award
Motion**

The Board considered possible recipients for the 2023 Laubacher Award, which will be presented at the AWA VC Symposium Awards Luncheon on Thursday, April 20, 2023.

Motion to select Candidate A as the 2023 recipient of the Richard V. Laubacher Water Conservation Award, Director Hasan; second, Director Maulhardt. Voice vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy); none opposed. Motion carries unanimously 7/0.

**2.8 Recognition of Retiring Environmental Services Department Manager Linda Purpus
Ceremonial Item**

In recognition of the retirement of Environmental Services Department Manager Linda Purpus, after nearly 20 years of service to the District, President Dandy remarked that Ms.

Purpus has played a critical role in improving the District's water resources goals and helping it to comply with regulatory oversight and environmental laws surrounding it operations.

He stated that Ms. Purpus began her illustrious career working in the Operations and Maintenance Department as an Environmental Coordinator, assisting the department with permitting and regulatory compliance. In 2004, she was transferred to the Groundwater Department, where she worked for several years on the District's grant-funded study of runoff water quality, while still handling environmental compliance issues for the District.

In February 2004, Ms. Purpus was promoted to environmental scientist, and in 2007, when Ms. Purpus was assigned to the Water Resources Department, she worked on a wide range of water resource issues, including recycled water, increased importation of State Water Project water, and sanitary surveys of the watershed, while still managing the environmental compliance issues for the District. In 2011, Ms. Purpus was reassigned to the new Environmental Services Department, where she focused primarily on environmental compliance issues.

In 2013, Ms. Purpus was promoted to senior environmental scientist, and in 2020, she was promoted to her current position as environmental services manager at a critical juncture in the District's development of its Habitat Conservation Plan and other various projects that had regulatory deadlines associated with their completion.

Ms. Purpus has served as United's primary point person on compliance with the FERC license for the Santa Felicia Dam Safety Improvement projects and other District permitting efforts. Her awareness of the critical importance of reliable water resources to the District's customers, in addition to her extensive knowledge of water resources and environmental compliance laws and regulations has made her a much-valued member of Team United.

On behalf of everyone here in the District as well as the Board of Directors, thank you Linda, for all your hard work over the last 20 years. You will be missed here in the District, but we all gather here today to wish you a wonderful retirement.

As a token of appreciation, President Dandy present a gift to Ms. Purpus for all of her efforts as she embarks on her retirement from the United Water Conservation District.

Ms. Purpus thanked the Board, President Dandy, and the District's executive management for the opportunity to serve the District over the past 20 years. She said it was a privilege to work for United Water Conservation District and felt more like a member of a family with the other staff members who are all equally committed to and passionate about the District's mission, which helped to create the strong bonds among the team. She also thanked her team in the Environmental Services department and the administrative team for its support, and closed by saying that there are so many very talented people in the District, but she trusts that she is leaving them in very capable hands.

Director Maulhardt stated that there are four Board members who have been at United since Ms. Purpus joined the team and that all know that Ms. Purpus represents a level of expertise and commitment that really raised the bar. He also thanked her for being a team player who is both sincere and passionate, is willing to listen to the Board members speak their peace and still tell them when they were wrong. He also said Ms. Purpus epitomized the support, consistency, and commitment to the District's mission, even when the pathway varies, and thanked her for allowing the Board to join her on the remarkable path she has been following for the past 20 years.

Director Naumann added that 2003 doesn't seem like it was that long ago and added his appreciation and gratitude for all of Ms. Purpus' many contributions to advancing the goals and mission of 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)

3.A Approval of Minutes

Motion

Approval of the Minutes for the Regular Board Meeting of March 8, 2023, and the Emergency Board Meeting of March 16, 2023.

3.B Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

3.C Monthly Investment Report

Information Item

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

President Dandy asked the Board if there were any items that required separate discussion. None were cited. He then asked for a motion.

Motion to approve the Consent Calendar items, Director Naumann; second, Director Hasan. Roll Call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy); none opposed. Motion carries unanimously 7/0/

4. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

Operations and Maintenance Department – John Carman

4.1 Monthly Operation and Maintenance Department Report

Information Item

UWCD Operations and Maintenance Program Supervisor John Carman addressed the Board, explaining that Chief Operations Officer Brian Collins was in Colorado at the U.S. Bureau of Reclamation with the GM, legal team and District experts at the direction of the Court and that he would be happy to answer any questions the Board may have regarding the summary report on monthly activities of the Operations and Maintenance Department. As none of the Directors voiced any questions or comments, Mr. Carman began a slide presentation to the Board (see attached slides), that addressed the rising levels at Lake Piru, sediment management at the Freeman Diversion, decreasing nitrate levels on the OH system as more water is diverted to groundwater recharge, and ongoing clean up issues at Santa Felicia Dam/Lake Piru and the Freeman Diversion. Mr. Carman ended by saying that the goal of the Operations and Maintenance department is to continue to divert water at the Freeman Diversion for the next 70 days.

President Dandy asked if there were any questions or comments for Mr. Carman. None were offered.

Park and Recreation Department – Clayton Strahan

4.2 Monthly Park and Recreation Department Report

Information Item

Chief Park Ranger Clayton Strahan addressed the Board, asking if there were any questions or comments regarding his summary report on monthly activities of the Park and Recreation Department. None were offered, so he started his presentation to the Board, which encompassed highlights from facilities maintenance projects, training and meeting attended by Park Ranger staff, updated reports on the District's ongoing disaster response efforts, including the total amount of rain received at Lake Piru, the total amount of storm related damages to date (\$2,800,000) and the storm impacts on visitation and revenue (this year is slightly below last year at this time, but we have a full lake and Chief Strahan is predicting a steep increase in visitation between now and Memorial weekend.

Director Berger asked about the status of the Tommy's Boats contract. Chief Strahan reported that the five-year extension agreement was concluded, and that Tommy's will also be renting smaller fishing type vessels which will broaden the span of rental rates and be more inclusive.

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

Water Resources Department – Dan Detmer

4.3 Monthly Water Resources Department Report

Information Item

Senior Hydrologist Bram Sercu addressed the Board, explaining that the presentation he was about to give was created by Principal Hydrologist Murray McEachron, but as Mr. McEachron was in Colorado, he would be making the presentation for Mr. McEachron.

His presentation (see attached slides) began with headlines from weather forecasts in November 2022, predicting a “fourth dry year.” He compared the average annual rainfall for the area (17.2 inches) with incredible totals of 40 inches, 58 inches and even 70 inches at various locations throughout Ventura County. He also looked at projected inflows into Lake Piru, upper basins groundwater conditions and forecasted flows at the Freeman Diversion. Dr. Sercu shared various photos of the Santa Clara River watershed, comparing and contrasting the vegetation, erosion and other impacts on the watersheds related to various storm events. There was also discussion about the levee near the Ferro Basin and how storm events had washed out the levee’s access road in that area and how the relationship of the toe of the levee and the water levels in the river could create challenges going forward. Dr. Sercu also reported on the total sediment levels (12 million CYD) and diversions (32,000 AF) and commented that the bedload at the Freeman Diversion was equivalent to 80 tons per hour at 2,000 cfs. He predicted that even when the river flows drop below 750cfs, and with the release from Castaic, there could be 75 days of potential 375cfs diversions (total of 52,000 AF).

Director Maulhardt asked about the design of the levee near Ferro Basin. Mr. Emmert said the levee was designed in the late 1940s and constructed in 1960. Dr. Sercu added that the design was flawed as the toe of the levee was lower than the river and there was no accounting for erosion.

There was some discussion of the tours of the Freeman Diversion and the importance of people and especially decision makers being aware of United’s efforts to maximize the opportunities available to store more water. Director Kimball agreed and said the District could be doing more if it weren’t for the numerous restrictions placed on United. Director Naumann added that Five Point was not putting in crossings, which was a big help to the District.

Dr. Sercu then began another presentation on the optimization of groundwater recharge that the District’s Saticoy facilities (see attached slides), including the anticipation of mounding in the beginning of May and diversions being limited by recharge capacity. He said the Rose basin as connected to the Nobel 1 basin in 2016 and has a preliminary percolation rate of 4 to 5 feet per day and will be instrumental in maintaining diversion rates through June 10. He added that the Ferro recharge pilot project will increase recharge capacity when mounding and has the potential yield of between 2,700 AF and 4,600 AF. Dr. Sercu then showed graphs depicting the impact of disking, scrapping, and drying out basins on percolation rates. He concluded that maintenance and rotation increases yield for long periods of recharge, that basin rotation is not needed in the first three to four months, and that cumulative recharge is not sensitive to exact timing of initiating drying/disking. He

also concluded that it would take up to three more wet years (after 2023) to end the groundwater drought in the forebay.

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

Administrative Services Department – Brian Zahn and Josh Perez

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

Chief Financial Officer Brian Zahn addressed the Board, stating that he did not have a presentation to share but was happy to answer any questions or address comments that the Board may have regarding the department's summary report on the monthly activities. None were offered.

Engineering Department – Dr. Maryam Bral

**4.5 Monthly Engineering Department Report
Information Item**

Chief Engineer Maryam Bral addressed the Board and shared a presentation (see attached slides) that encompassed the monthly activities of the Engineering Department. She reported on preparations for the Outlet Works Construction phase, including a request for proposals and tour of the dam with interested companies. She reported the start of the Santa Felicia Dam spill on March 16 and staff continues to update various agencies including FERC, CalOES, Army Corp of Engineers and the Ventura County Office of Emergency Services on the status of the spill. Dr. Bral also reported meeting with the Fernandeno Tataviam Band of Mission Indians, who provided support for the language and lifestyle depictions for various signs throughout the Lake Piru area sharing the natural and cultural resources of the area. There will also be a tour of the Iron and Manganese Treatment facility with the Department of Defense's OLDCC on April 19. She also pointed out that the General Manager made a presentation on the District's EBB Water project to the Ventura County chapter of LAFCo, that engineering staff toured the Charles E. Meyer Desalination Plant in Santa Barbara and that the Iron and Manganese Treatment facility was included in the District's Open House Facilities Tour on March 29.

President Dandy asked if there were any comments or questions for Dr. Bral. None were offered.

Environmental Services Department – Marissa Caringella

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

The District's new Environmental Services Manager Marissa Caringella addressed the Board and began a presentation (see attached slides) on the monthly activities of the Environmental Services Department. She included updates on the support of sediment management operations at the Freeman Diversion, activities initiated in response to the March 16 spill at the Santa Felicia Dam, lower system quagga monitoring, Clean Water

Act permits for maintenance activities at Lake Piru and permits for emergency work at Reasoner Creek. Ms. Caringella also reported that while staff was able to secure the general maintenance 404 permit, the complementary 401 permit was delayed twice until, on March 20, the Army Corp waived the requirement for the 401 permit.

Director Maulhardt asked about the mortality rate of veliger's going over the spillway, and Ms. Caringella and Ms. Purpus engaged in a discussion that while the mortality rate was reported as 100 percent in a study, the District has not conducted any actual monitoring of Piru Creek below the spillway to confirm that.

President Dandy asked if there were any other comments or questions for Ms. Caringella. None were offered, but several Board members complimented her on the presentation.

5 MOTION ITEMS (By Department)

Administrative Services Department – Brian Zahn

5.3 Approving the Appointment of Lance, Soll & Lunghard, LLP

Motion

Mr. Zahn address the Board, asking them to consider approving the appointment of Lance, Soll & Lunghard, LLP (LSL) as the District's new auditing service provider and authorize the General Manager to execute a three-year auditing services contract with LSL in an amount not-to-exceed \$139,896.

Director Maulhardt stated that the Finance Committee fully reviewed the staff report and supporting documentation and was recommending approval of this motion item to the full Board.

Motion to approve the appointment of Lance, Soll & Lunghard LLP as the District's new auditing services provider and authorize the General Manager to execute a three-year auditing services contract with the company for an amount not to exceed \$139,896, Director Maulhardt; second, Director Hasan. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy); none opposed. Motion carries unanimously 7/0.

Engineering Department – Dr. Marviam Bral

5.2 OH Well Replacement Program – El Rio Water Well No. 20 Construction Contract in the Amount of \$849,283

Motion

Dr. Bral addressed the Board, and Director Maulhardt interjected stating that he was going to help her out by reporting that the Engineering and Operations Committee had fully reviewed the staff report and supporting documents and was recommending approval of the OH Well Replacement program and authorization of the General Manager to award a construction contract to the lowest responsible bidder, Bakersfield Well & Pump Company, in the amount of \$849,283 for the construction of the Oxnard Hueneme (OH) Well Replacement Program – El Rio Water Well No. 20 Construction project.

Motion to approve the OH Well Replacement program and authorize the General Manager to award a construction contract to the lowest responsible bidder, Bakersfield Well & Pump Company, in the amount of \$849,283 for the construction of the Oxnard Hueneme (OH) Well Replacement Program – El Rio Water Well No. 20 Construction project, Director Hasan; second, Director Naumann. Roll call vote: seven ayes (Berger, Hasan, Keeling, Kimball, Maulhardt, Naumann, Dandy); none opposed. Motion carries unanimously 7/0.

Water Resources Department – Dan Detmer

5.3 PUBLIC HEARING

Opening of Annual Groundwater Hearing to Accept Comment on Groundwater Conditions within the District

President Dandy addressed the other Board members and public, stating:

“The Board will now open the Groundwater Department public hearing. This is a hearing on the groundwater conditions for the 2022-2023 water year, and today is April 12, 2023. With that being said, in accordance with Water Code Section 75573, this is the time and place to begin our annual hearing concerning the groundwater conditions and the surface water supplies of the District, which will culminate in the Board determining whether or not zones should be established in the District and what, if any, groundwater extraction charges should be established in such zones.

Any operator of a water producing facility within the District, or any person interested in the conditions of groundwater or surface water supplies of the District may appear in person, or by representative, and submit evidence at this hearing concerning the groundwater conditions and the surface water supplies of the District. Appearances may also be made supporting or protesting the District's 2022-2023 "Annual Investigation and Report of Groundwater Conditions within United Water Conservation District," also known as the "Engineering Investigation and Report."

The record should show that on April 4, 2023, the Annual Investigation and Report of Groundwater Conditions within United Water Conservation District was received by the Secretary of the Board. The record of this hearing should also show that the Secretary has published a notice of receipt of the Engineering Investigation and Report and of a public hearing thereon to be held beginning today, April 12, 2023. This notice has been published pursuant to law in a newspaper of general circulation, printed and published within the District at least ten days prior to the date of this hearing.

This hearing will be opened today. Anyone wanting to testify or present evidence may do so. The hearing, however, will be continued, first to the Board's meeting in May which will be held on Wednesday, May 17, 2023, and then will be continued again until the Board's meeting scheduled for Wednesday, June 14, 2023. The reason this hearing will be continued until June is to give our staff and Board Committees an opportunity to prepare and review the District's budget for the coming year so that the budget can be considered and adopted by the Board before it determines whether or not to establish a zone or zones and in what amounts groundwater extraction charges should be levied in the zone or zones for the coming year.

Is there anyone who wants to testify or present evidence? If so, they should do so now."

[No comments were offered by the public.]

President Dandy then stated: "Okay, receiving no testimony or evidence, this hearing shall now be continued until the meeting of this Board on Wednesday, May 17, 2023, at approximately 1:00 p.m."

This hearing will be continued first until Wednesday, May 17, 2023, and again to Wednesday, June 14, 2023. No Board decisions will be **made until the final hearing on June 14, 2023.**

6 BOARD OF DIRECTORS READING FILE

7 FUTURE AGENDA ITEMS

President Dandy asked if there were any agenda items for consideration at future meetings. None were offered.

8 ADJOURNMENT 2:35pm

President Dandy adjourned the meeting at 2:35p.m. to the **Regular Board Meeting scheduled for Wednesday, May 17, 2023**, or call of the President.

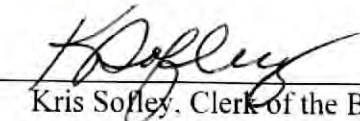
I certify that the above is a true and correct copy of the minutes of the UWCD Board of Directors meeting of April 12, 2023.

ATTEST:



Lynn E. Maulhardt, Board Secretary

ATTEST:



Kris Soley, Clerk of the Board

ATTENDANCE LIST

MEETING DATE: Wednesday, April 12, 2023 12noon

MEETING: UWCD Board of Directors Meeting

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

Name (Please Print)

Representing

Joe Markiak

Oxnard

Steve Hongola

Rincon

Jennifer Trisko

Ventura

Brian Dandy

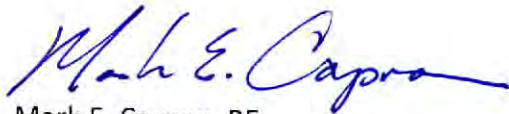
Rachael Lamon

Public comment during United Water Conservation District board meeting 12
April 2023

Dear United Water Conservation District,

1. The United Water Conservation District could organize the people and water districts of Ventura and Santa Barbara Counties to install a thousand small versions of the Freeman Diversion. Most diversions can be in the mountains and coupled with amunas; <https://www.climatelinks.org/photo-gallery/amuna-peru>. Diversions with amunas will better recharge groundwater during wet or dry years.
2. The United Water Conservation District can help others and themselves find funding for this and other climate change adaptations. Settle your legal disputes! Task your excellent engineering staff to find win-win solutions. Replace your lawyer with one who focuses on your groundwater recharge mission.

Personally, I feel a large legal budget is the worst kind of big government. I don't appreciate funding lawyers on both sides of the issue. But mostly I hate paying lawyers instead of building solutions to our water crisis.



Mark E. Capron, PE
2139 Lassen Street
Oxnard, California 93033
805-760-1967, markcapron@oceanforesters.org



OceanForesters



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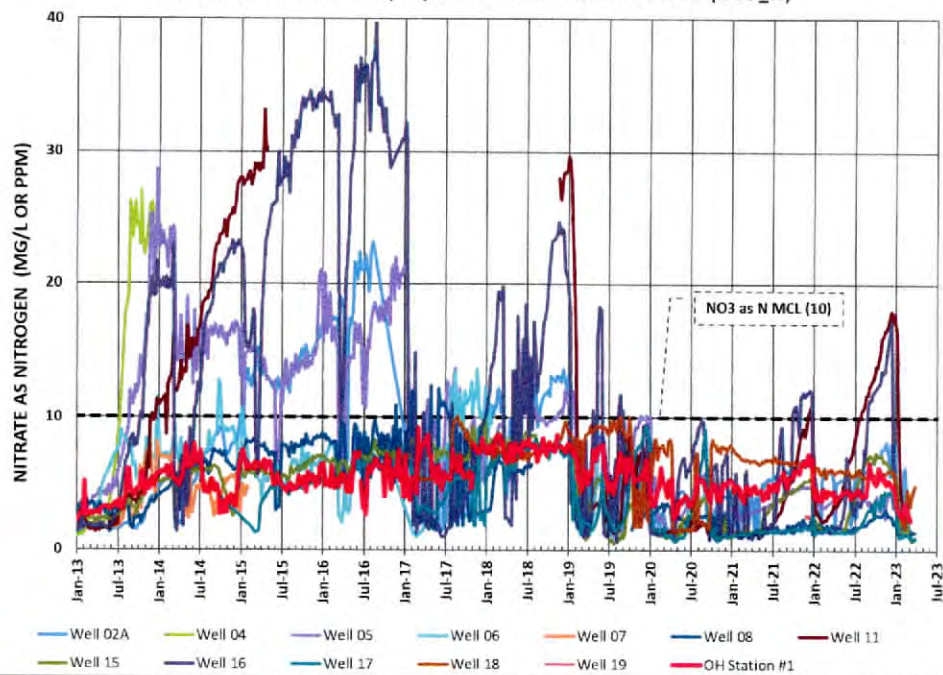
Freeman Diversion Sediment Management



5

5

OH UAS WELLS 2013 - 03/28/2023 NITRATE AS NITROGEN (NO₃_N)



6

6

Santa Felicia Dam

Lake Spill / Storm Cleanup



3

3

Freeman Diversion

Fish Wiper Gearbox – Recharge Basin Discing – Sediment Management



4

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Questions?



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8

Operational Update: February and March 2023

Facilities Maintenance Highlights

- Staff performed ongoing weed abatement measures to include spraying for noxious weeds (Feb. 2-13).
- Provided oversight for asphalt repair mitigation (Feb. 6-10).
- Staff completed repairs to the marina and marina anchors (3 outings in Feb. and 3 outings in Mar.).
- Completed the recruitment and hiring of a new Park Ranger Cadet and 4 seasonal Park Ranger Assistants (Feb. 15-24).
- Engaged and launched a social media marketing campaign (Feb. 15 – to Apr. 1).
- Staff spent time conducting the annual fire ring and barbeque rehabilitation project (March 1 to April 15).
- Based and Improved all full hookup sites

United Water Conservation District

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Operational Update: February- March 25

Training, Events, and Meetings

Feb. 9	• FEMA public assistance grant briefing
Feb. 14	• FEMA public assistance grant submittal
Feb. 21	• Debris cleanup began on lake within the recreation area (Emergency contracts)
Feb. 23	• SFD functional exercise for EAP
Mar. 1	• Executed 5-year extension for Tommy's Boats
Mar. 6-10	• PC-832 Arrest and Control Training
Mar. 13-15	• Internal EOC Activation and Participation
Mar. 28-31	• Fred Hall Boat and RV show (Long Beach)

United Water Conservation District

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Operational Update: Ongoing Disaster Response Effort

How Did We Get Here?

Substantial Rainfall for December to March

- December Total = 5.11"
- January Total = 21.15"
- February = 6.89"
- March = 10.14"
- TOTAL = 43.29"

What does it mean? What are the impacts?

2018

A photograph of a landscape in 2018 showing dry, brown hills and a reservoir in the foreground.

2023

A photograph of a landscape in 2023 showing green, lush hills and a reservoir in the foreground.

United Water Conservation District

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Operational Update: Storm/Disaster Recovery

Impacts as of March 2023

Storms yielded 69,980 AF of Increase Storage

This equated to a 80.54' vertical increase

Storms generated approximately \$2,800,000 and rising in damages/cleanup

Damages and cleanup include:


Removal 2,481 Cubic Yards of Debris on Lake	69 roll off bins of debris or 546 tons of debris	Removal of 3,851 cubic yards mud/silt deposits	70 loads of sediment	Estimated 47,549 tons of sediment in park
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United Water Conservation District



13

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THE RESULTS OF ALL THE RAIN!!

United Water Conservation District

14

14



PARK VISITATION AND REVENUE RECAP

Annual Month to Month Comparison

United Water Conservation District

15

15

Operational Update

Revenue Recap 2023 vs. 2022
(Jan.-Mar. 25)

Year	Day Use Revenue	Camping Revenue	All Other Revenue	Revenue Collected	Revenue Received (After Refunds)	Visitation (# of People)
2023	\$14,599.00	\$77,216.00	\$10,280.00	\$108,241.00	\$102,095.00	4,257
2022	\$31,423.00	\$115,959.00	\$14,245.00	\$170,135.00	\$161,627.00	5,815

United Water Conservation District

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Operational Update

Other Revenue Recap – 2023 vs. 2022

Year	Firewood	Ice/Water	Showers/Laundry	Wi-Fi	Filming/Events	Concessions (Tommy's)
2023	\$1,604.00	\$443.00	-	\$1,971.00	-	-
2022	\$2,029.00	\$503.00	-	\$2,658.00	\$1,100.00	-

United Water Conservation District

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17

QUESTIONS?

United Water Conservation District

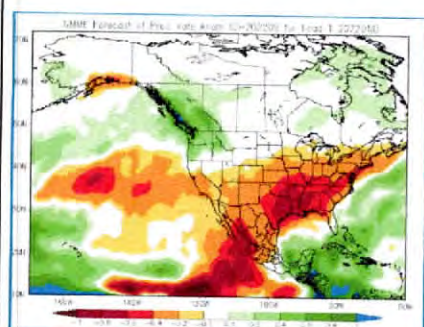
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Presented by Dr. Bram Sercu
UWCD Board of Directors Meeting
April 12, 2023

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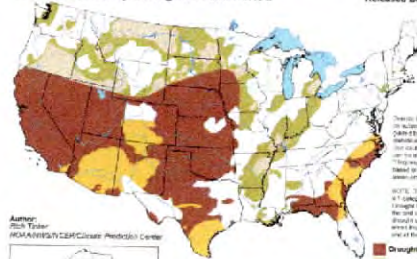
CALCULON



© 2022-23: U.S. Privacy Policy and Google



Valid for December 15, 2022 - March 31, 2023
Released December 15, 2023



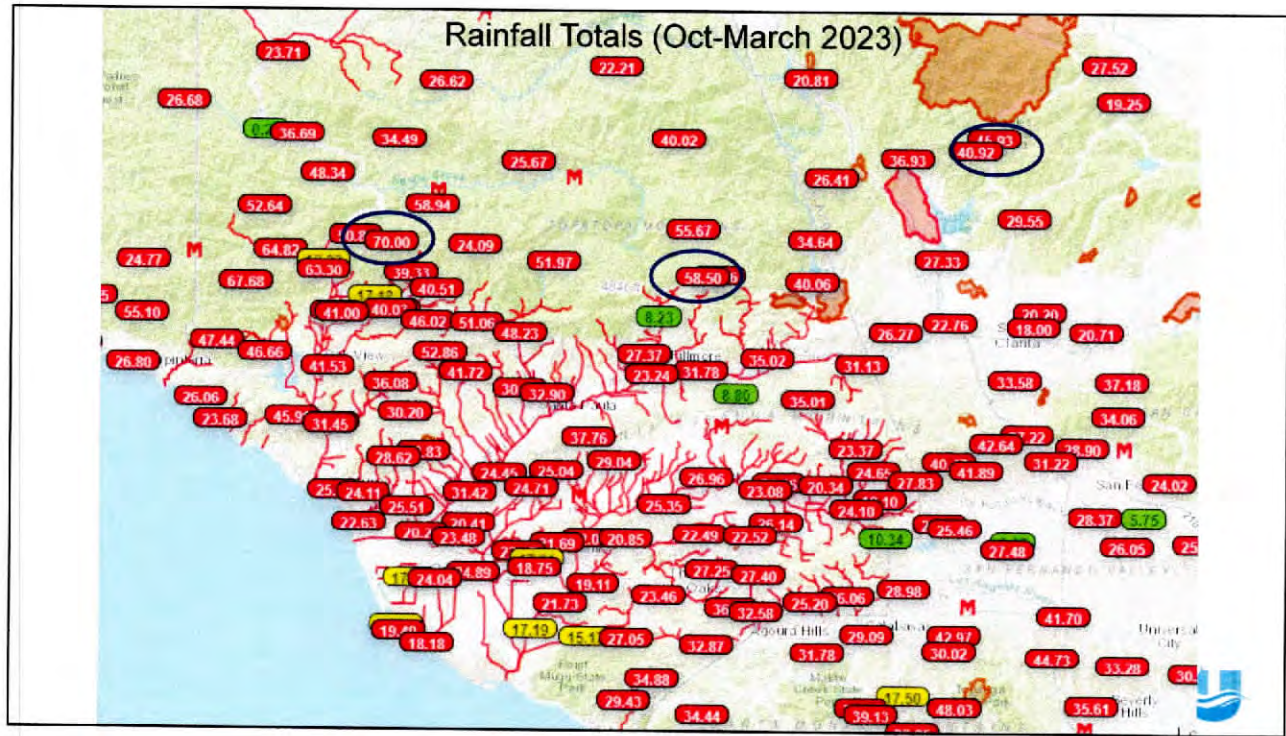
Author:
Rick Tinker
HOA/NGA/CEMC/Issue Production Core

Drought remains but long-over
 Drought removal likely
 Drought downpayment likely

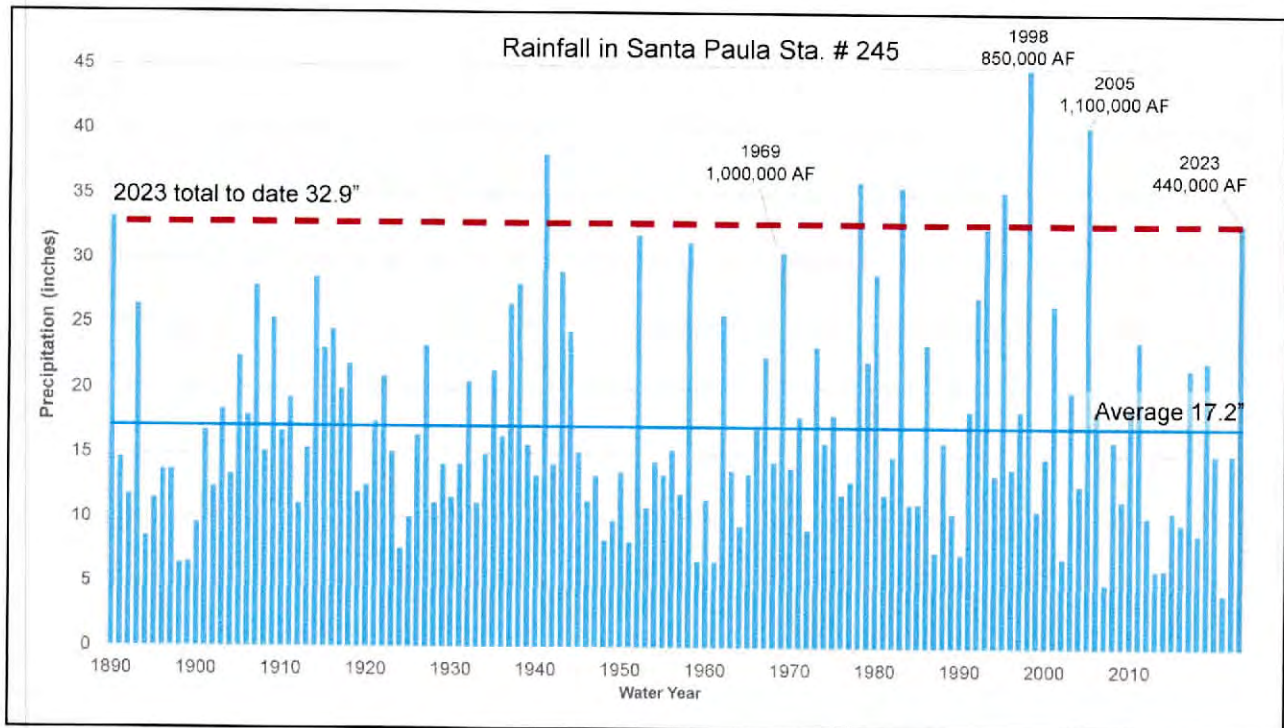
<http://go.usa.gov/3eZ73>



20



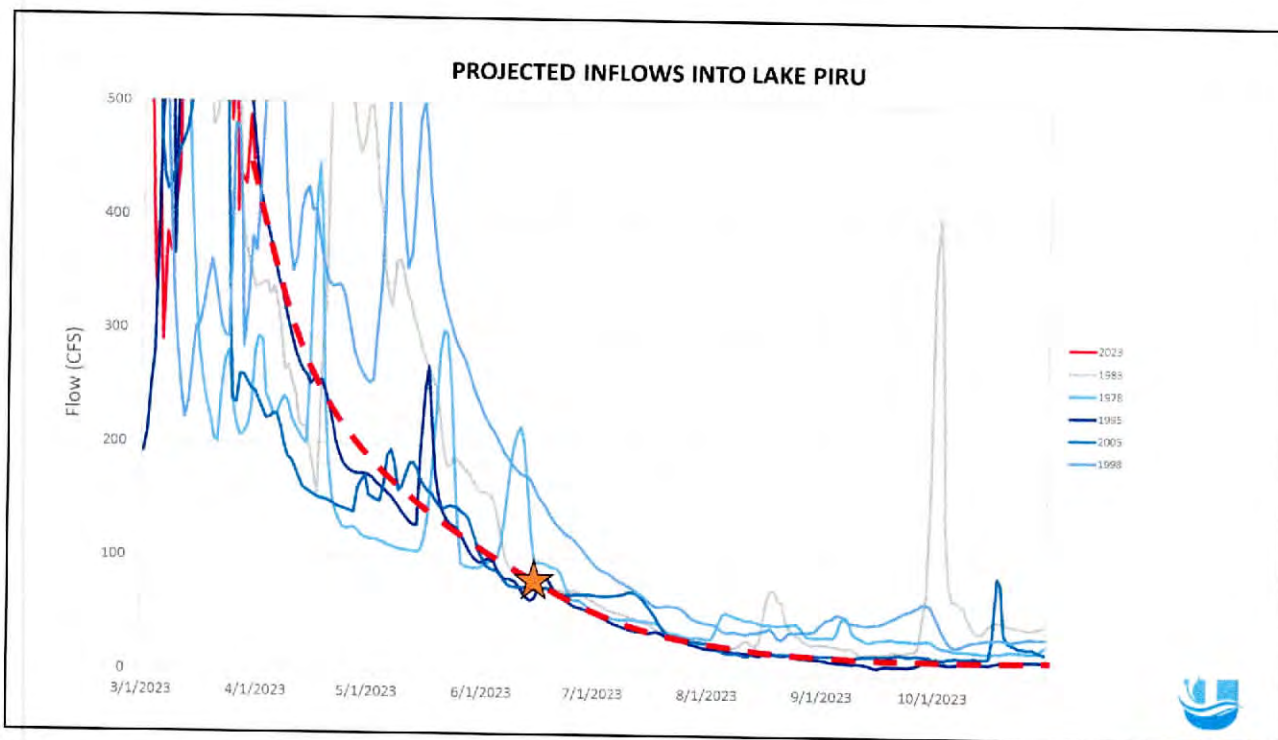
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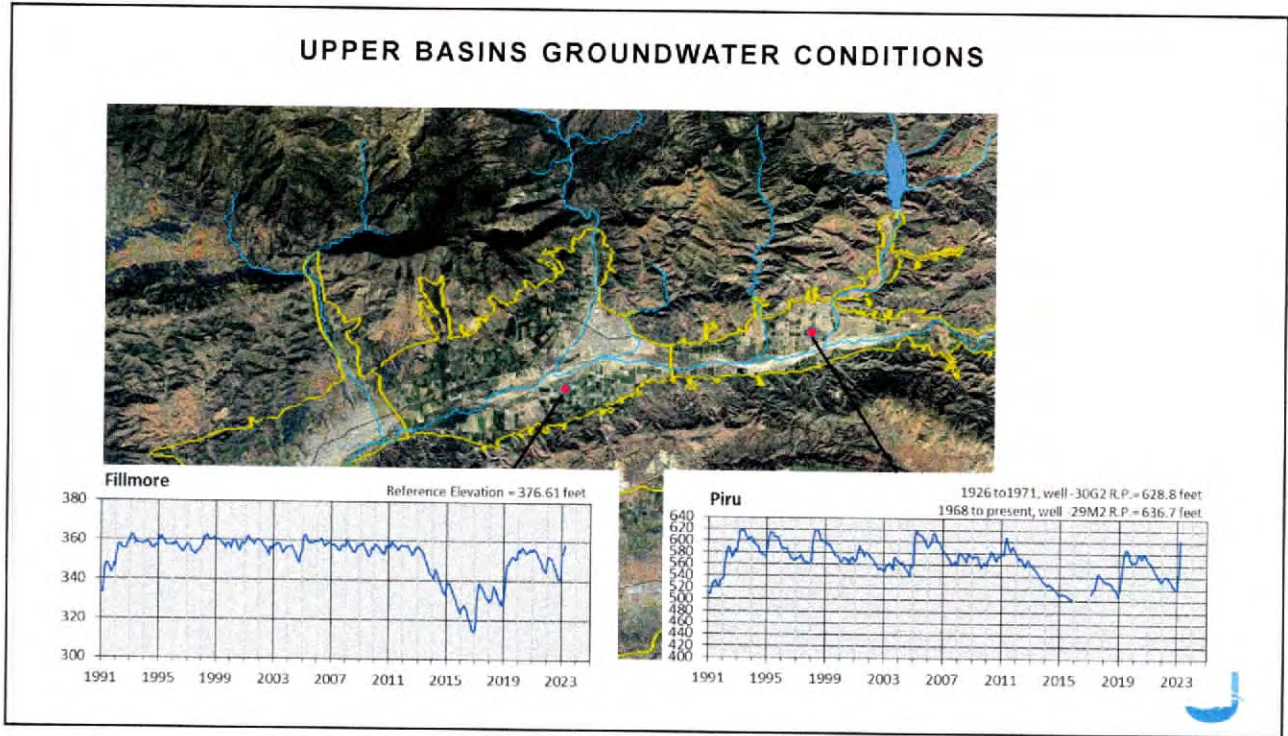
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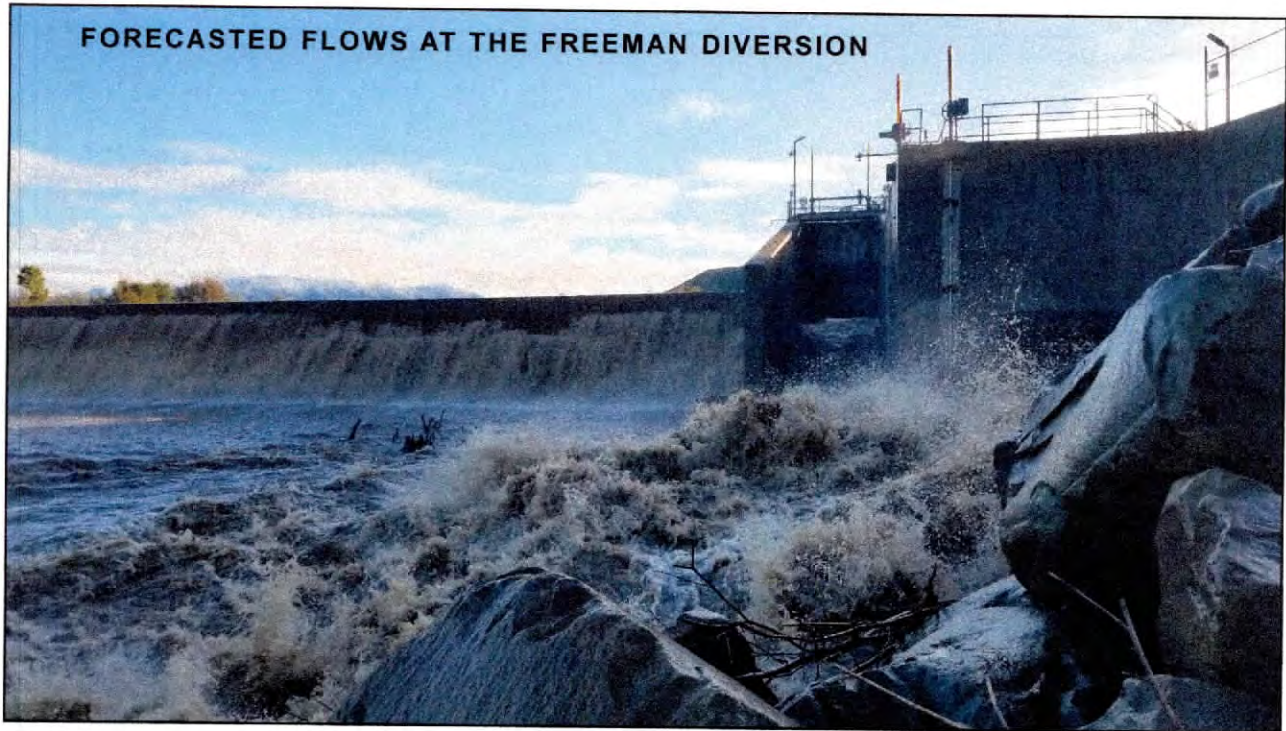
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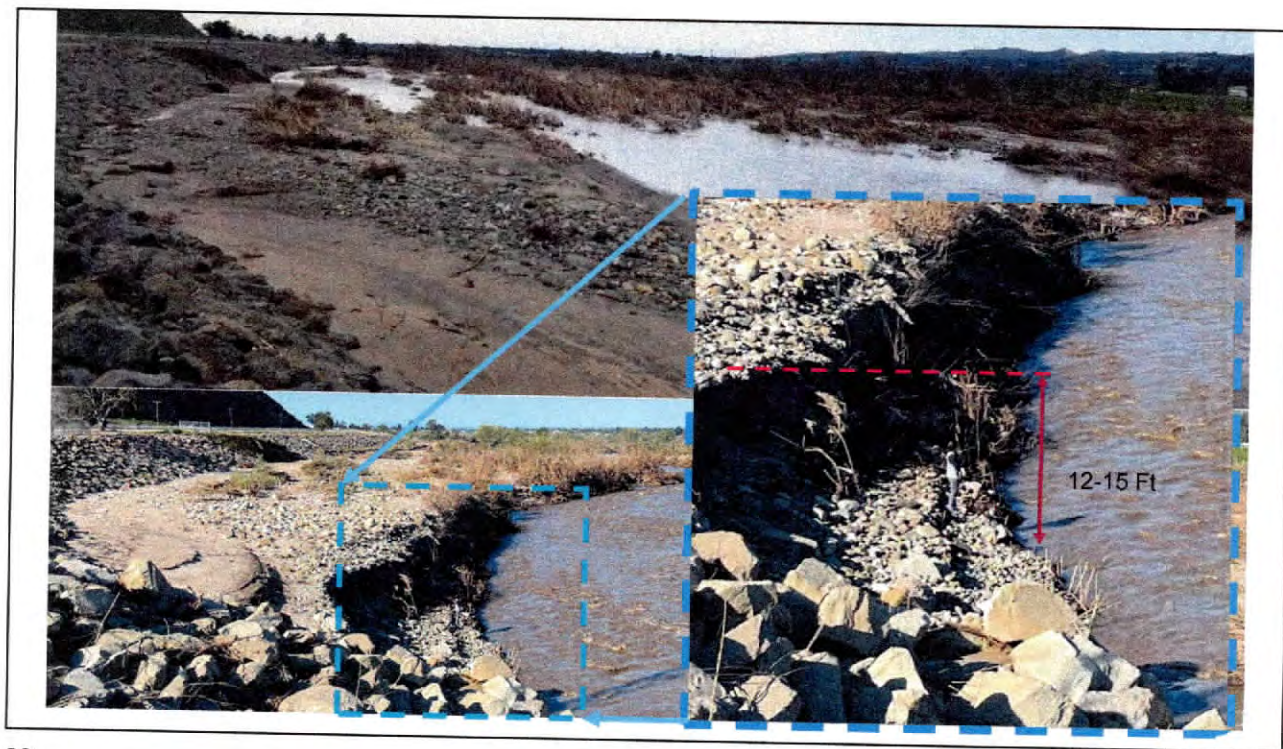
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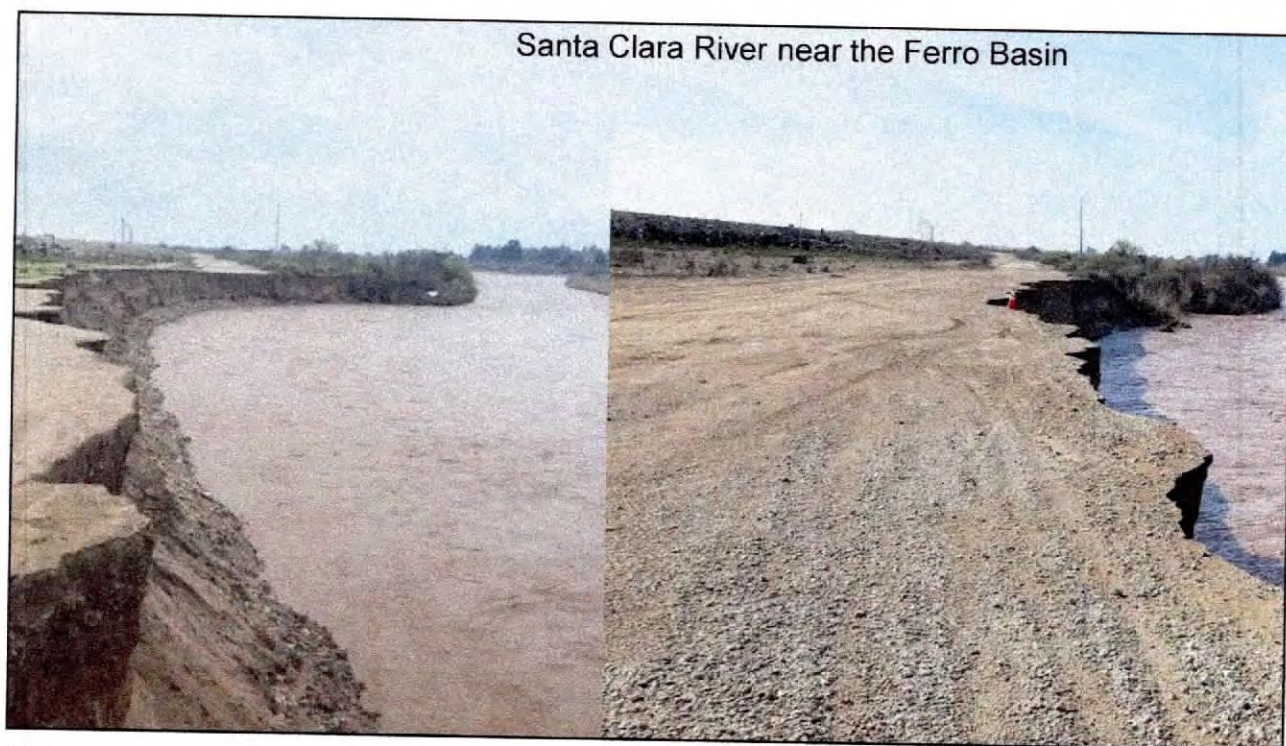
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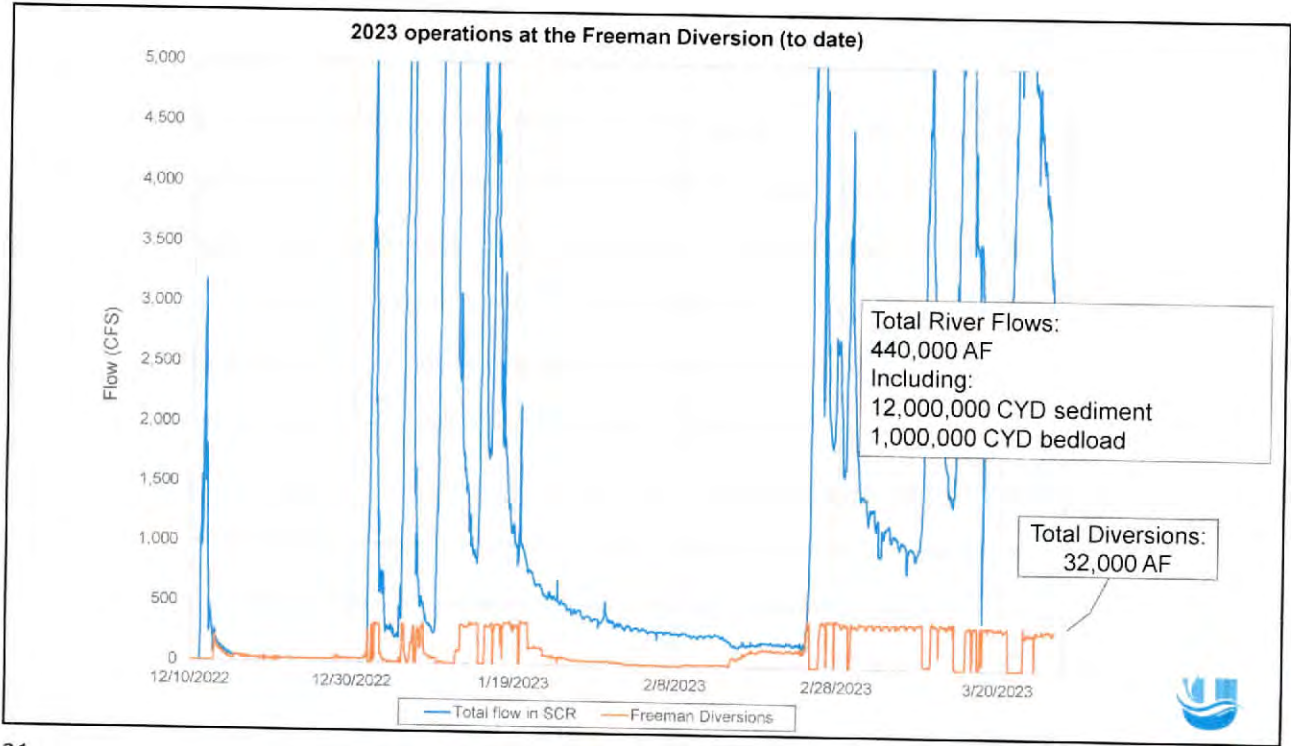
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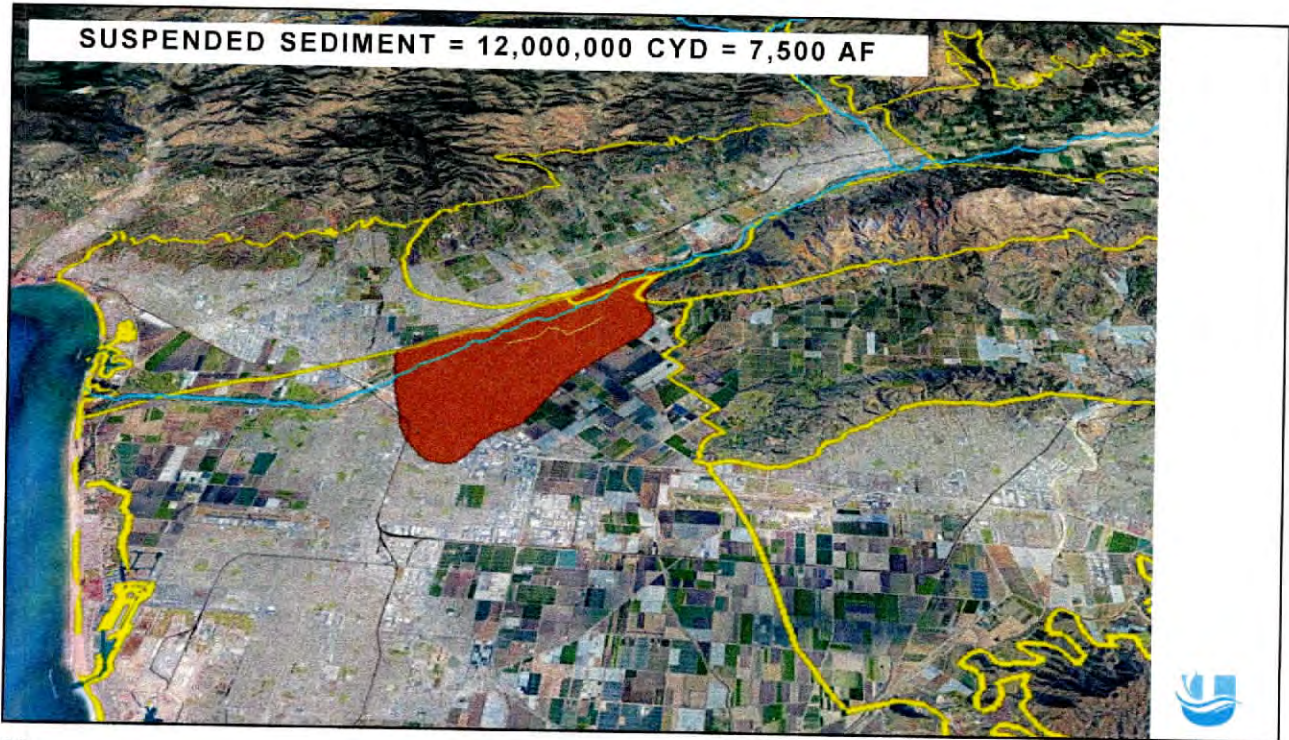
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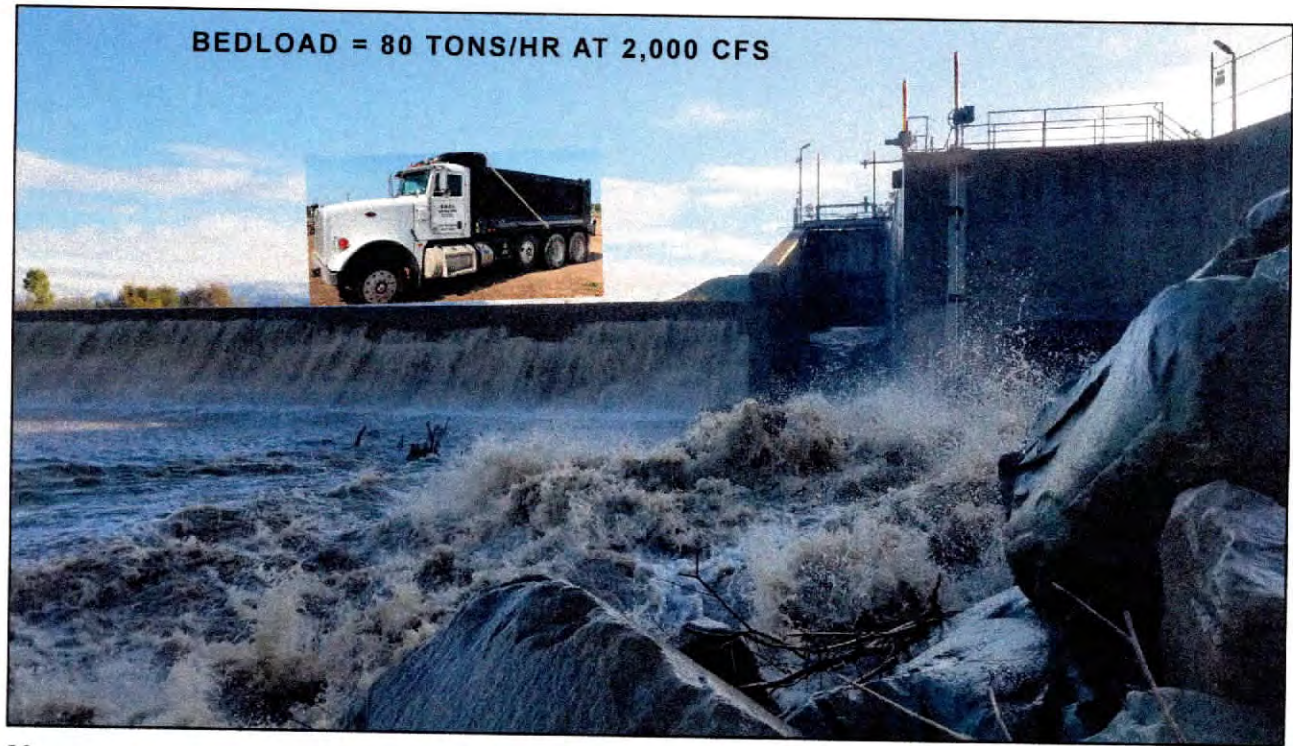
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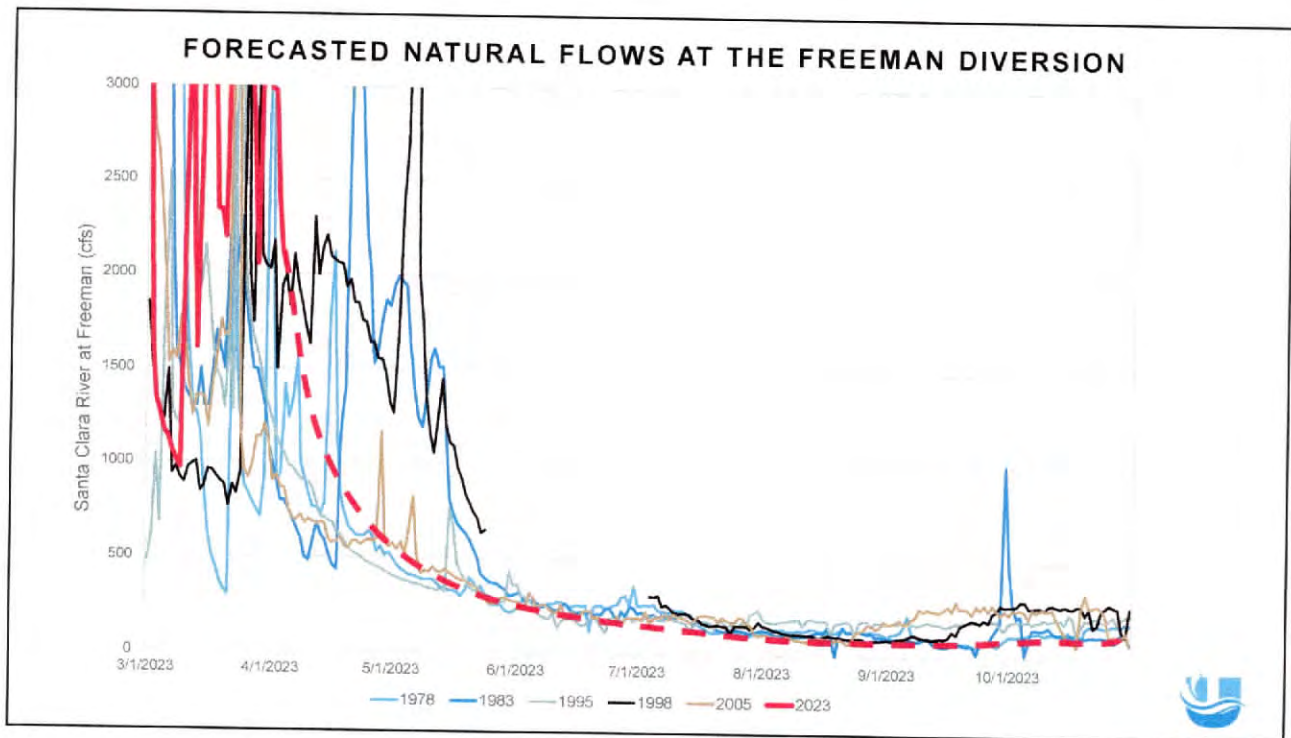
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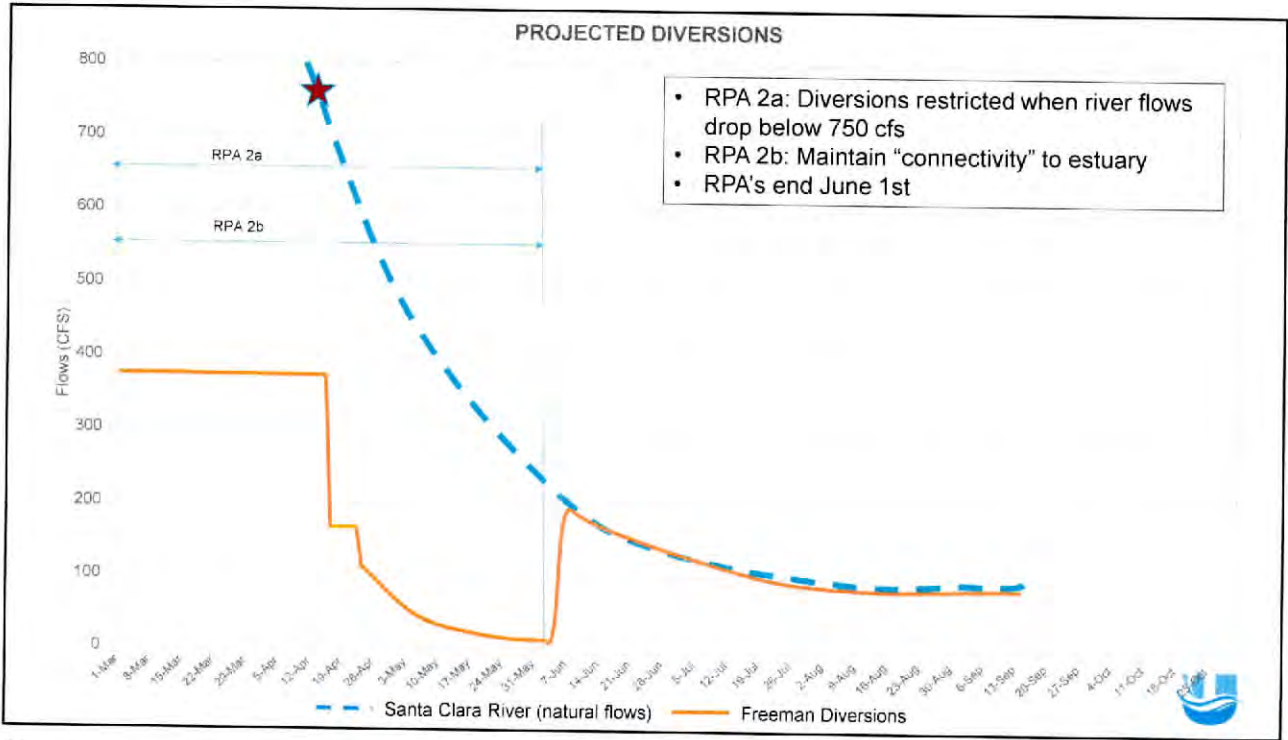
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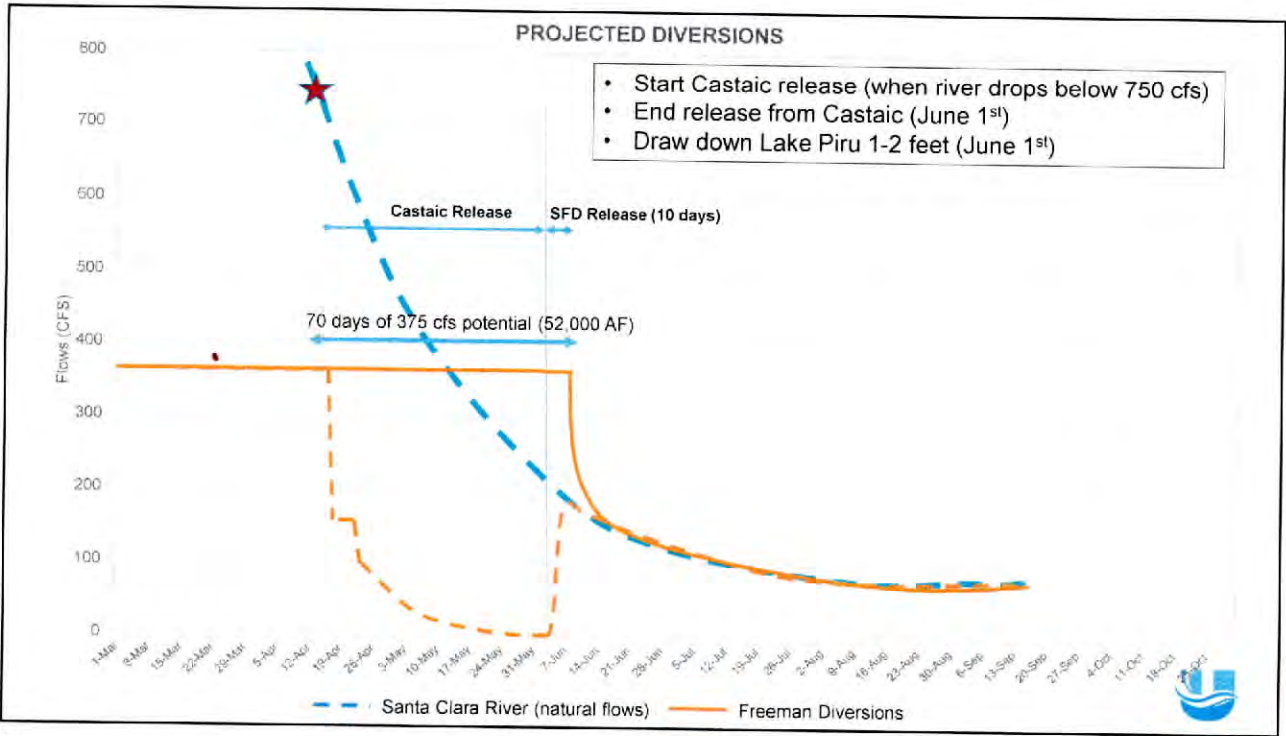
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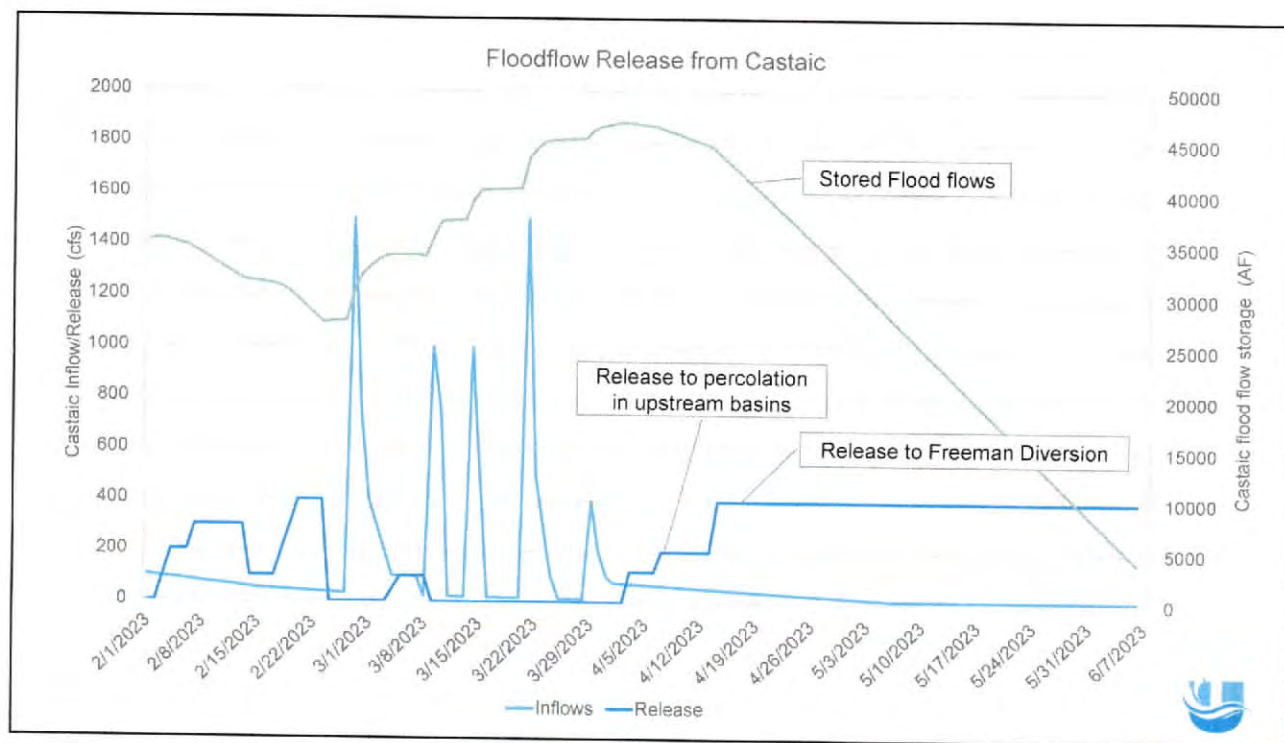
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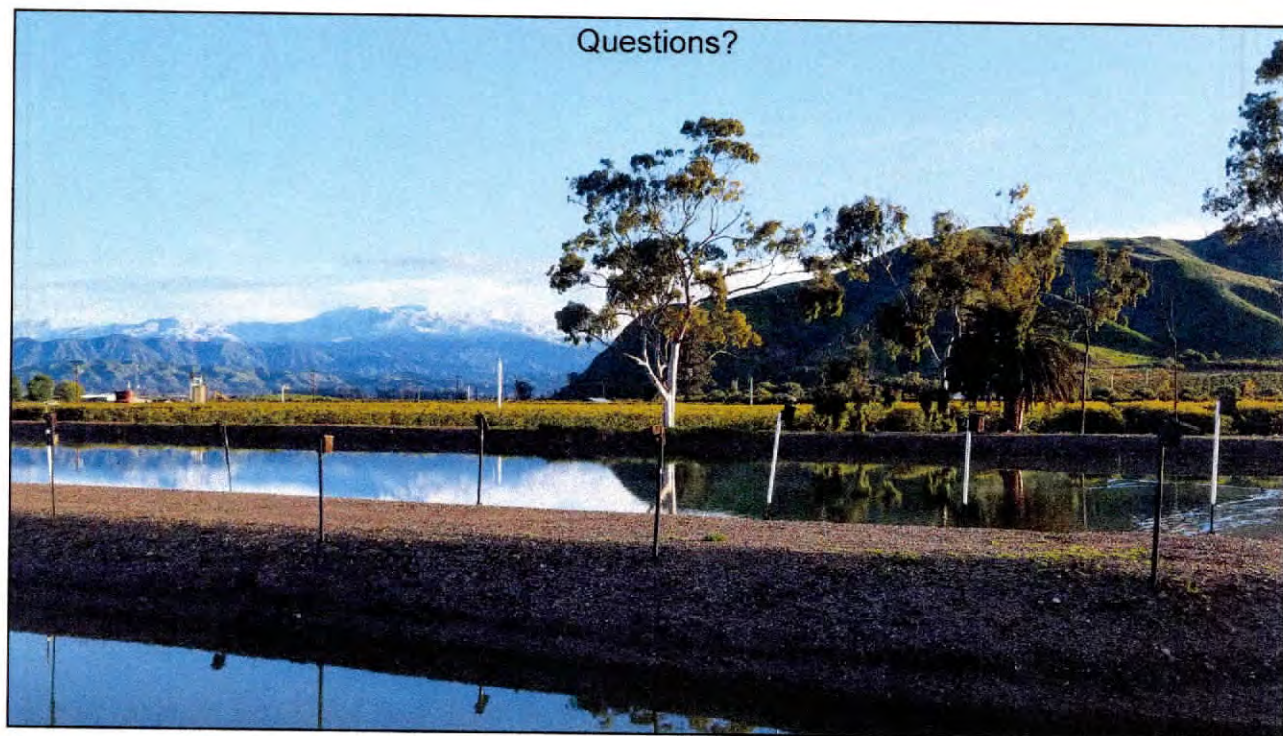
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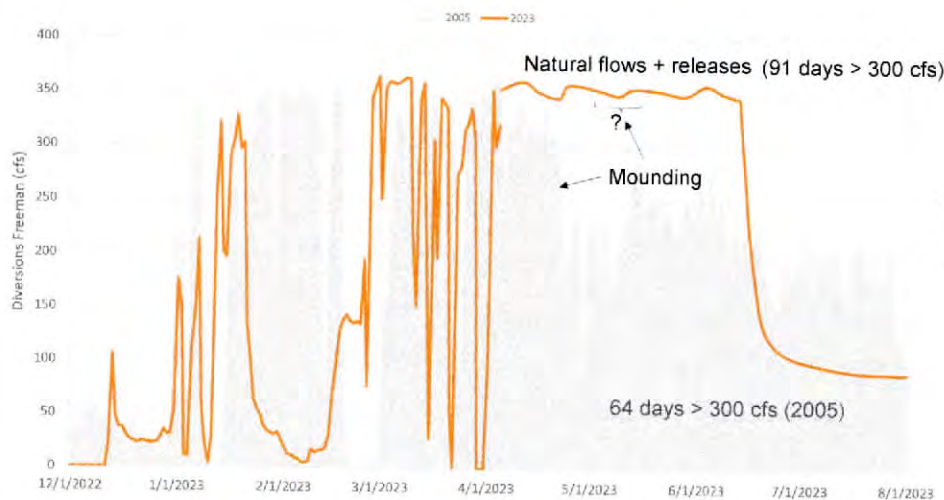
4. Optimization of Groundwater Recharge at the Saticoy Facility

Presented by Dr. Bram Sercu
Water Resources Committee Meeting
April 12, 2023



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DIVERSION GOALS FOR 2023

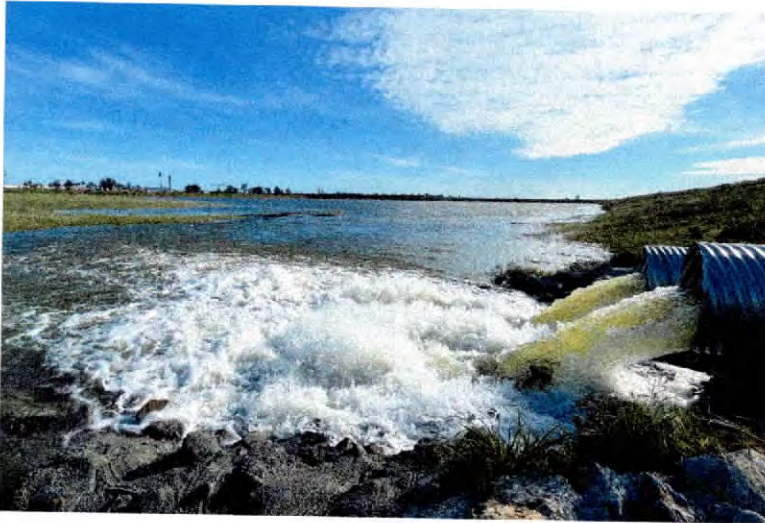


- Mounding anticipated between 5/1 – 5/15
- Diversions limited by recharge capacity



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ROSE BASIN



- Connected to Noble 1 in 2016
- 80 cfs conveyance to Rose
- Preliminary perc rates 4-5 ft/d
- Will be instrumental in maintaining diversion rates through June 10



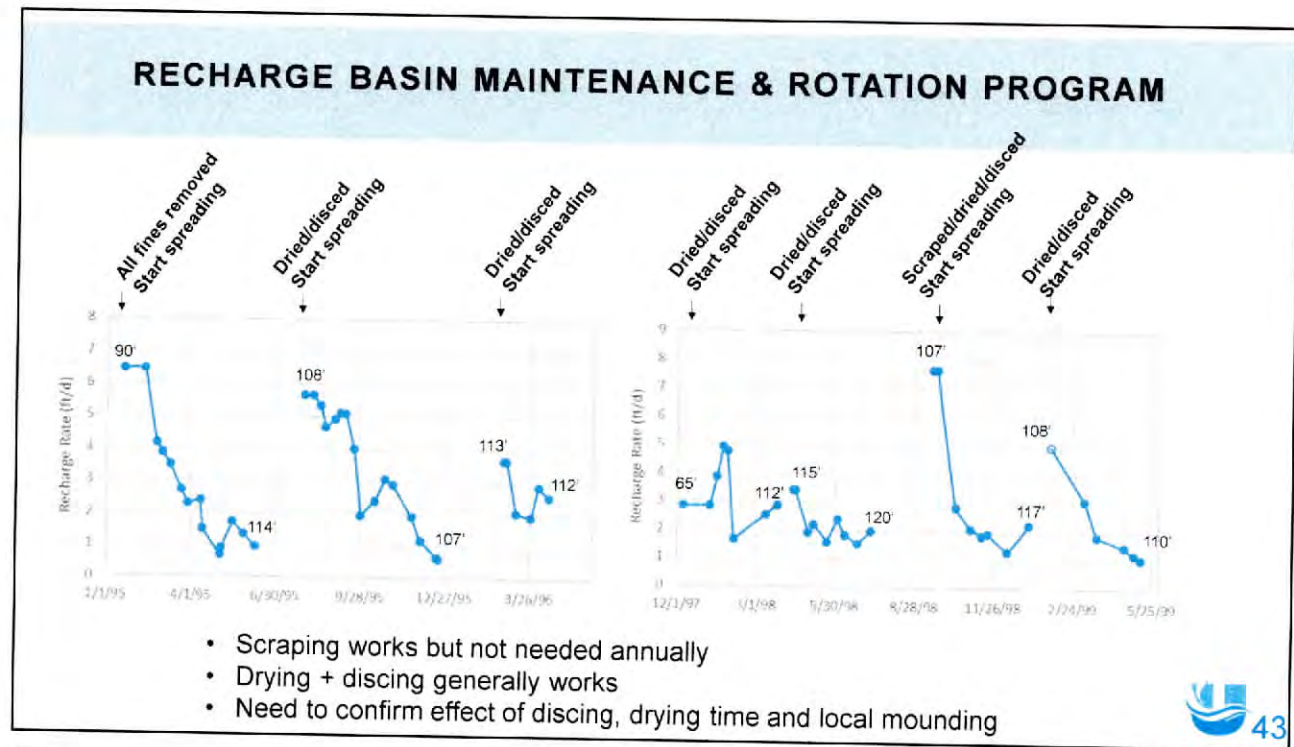
41

SATICOY-FERRO RECHARGE PILOT PROJECT

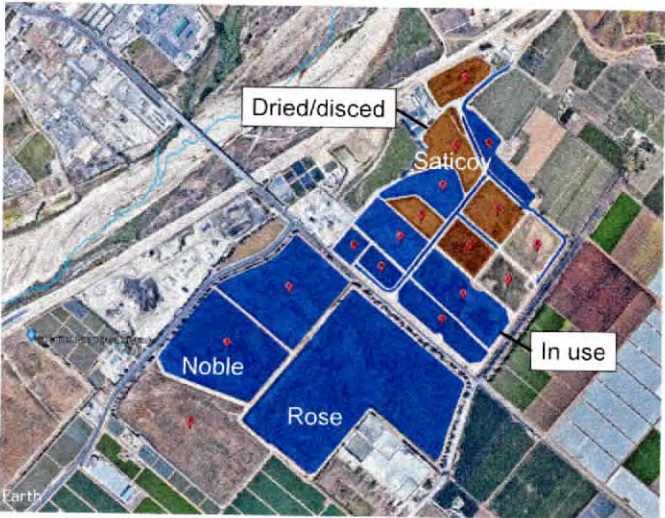
- Increase recharge capacity when mounding
- 54 cfs conveyance to Ferro
- Potential yield:
 - High estimate = 4,600 AF (5/1 – 6/10)
 - Low estimate = 2,700 AF (5/15 – 6/10)



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SATICOY BASINS CURRENT STATUS



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SATICOY BASINS CURRENT STATUS

	Basin Percolation Rates (ft/day)														
	A	C	D	F	G	H	J	L	M	N	O	N1	N2	N3	Rose
3/5/2023	1.7	3.9		2.7	3.3	x	1.2		x		6.6	1.5	x	x	
3/8/2023		2.5	4	1.9	2.5	x	1.6	2.8	5		6.4		x	x	
3/21/2023	x	x	x	1.6	x	1.4	1.3	x	4.2		4.3			x	
3/28/2023	x	x	x	1.8	x									x	

Dry

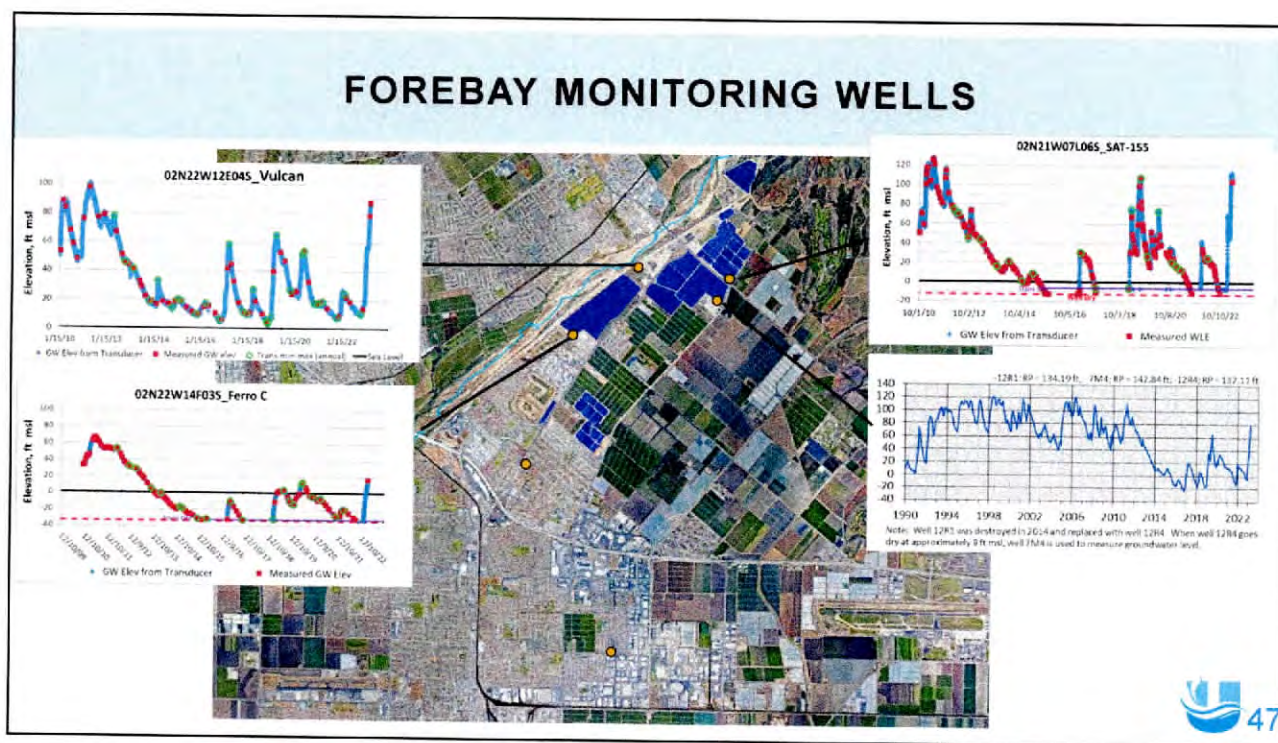
In use

Work Plan:

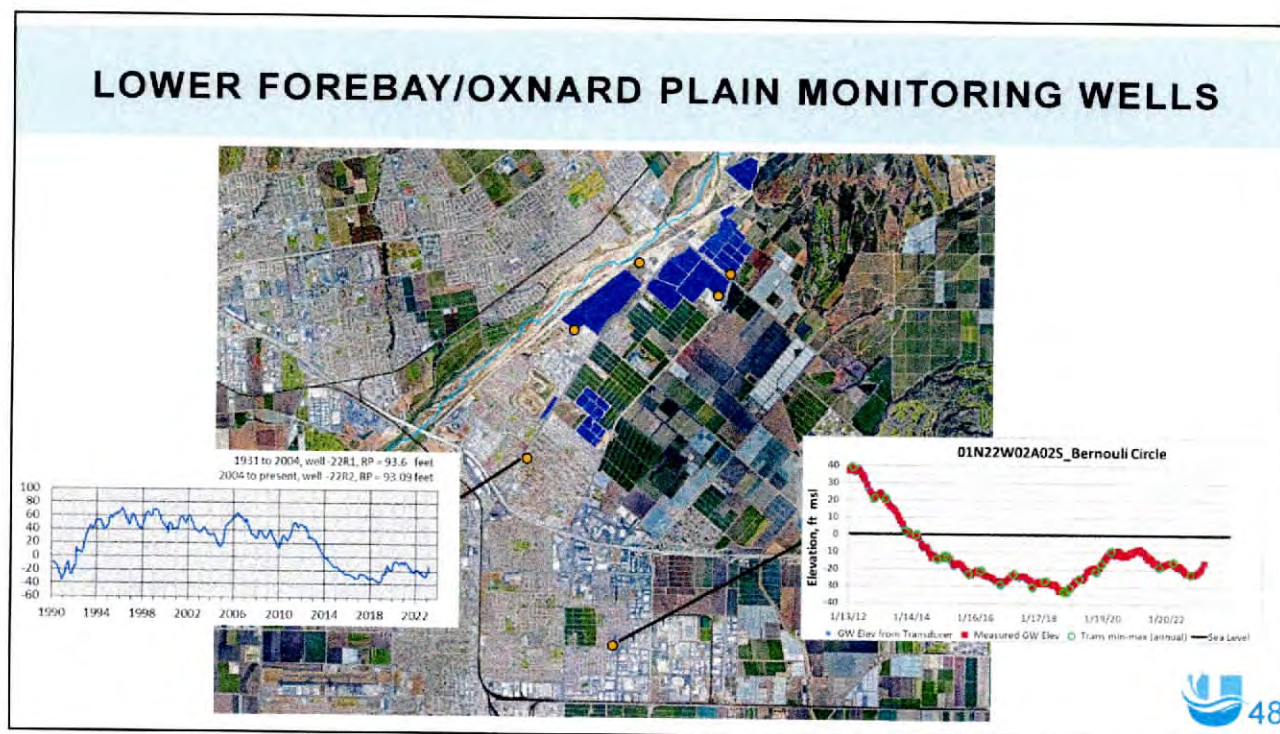
- 1) Continue coordination with operators to measure percolation rates and plan drying, discing and basin rotation
- 2) Also track recharge long-term to determine when removal top layer is needed



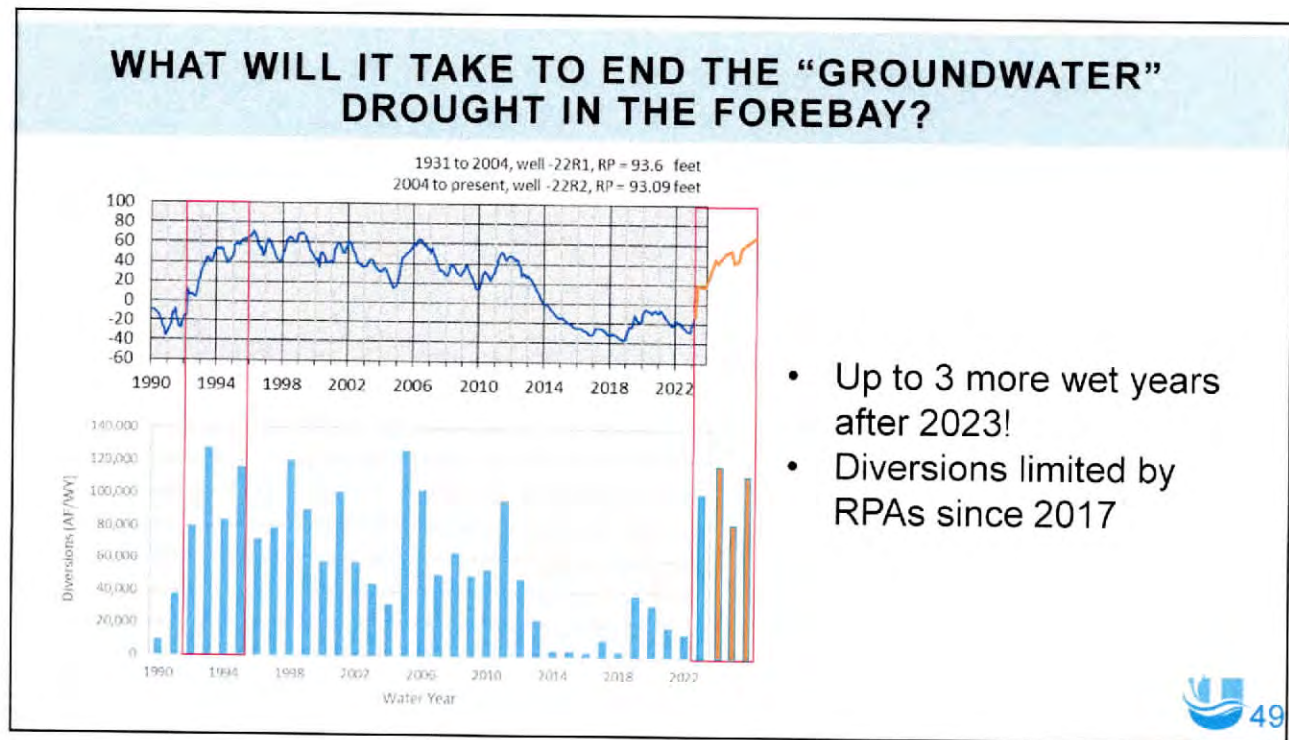
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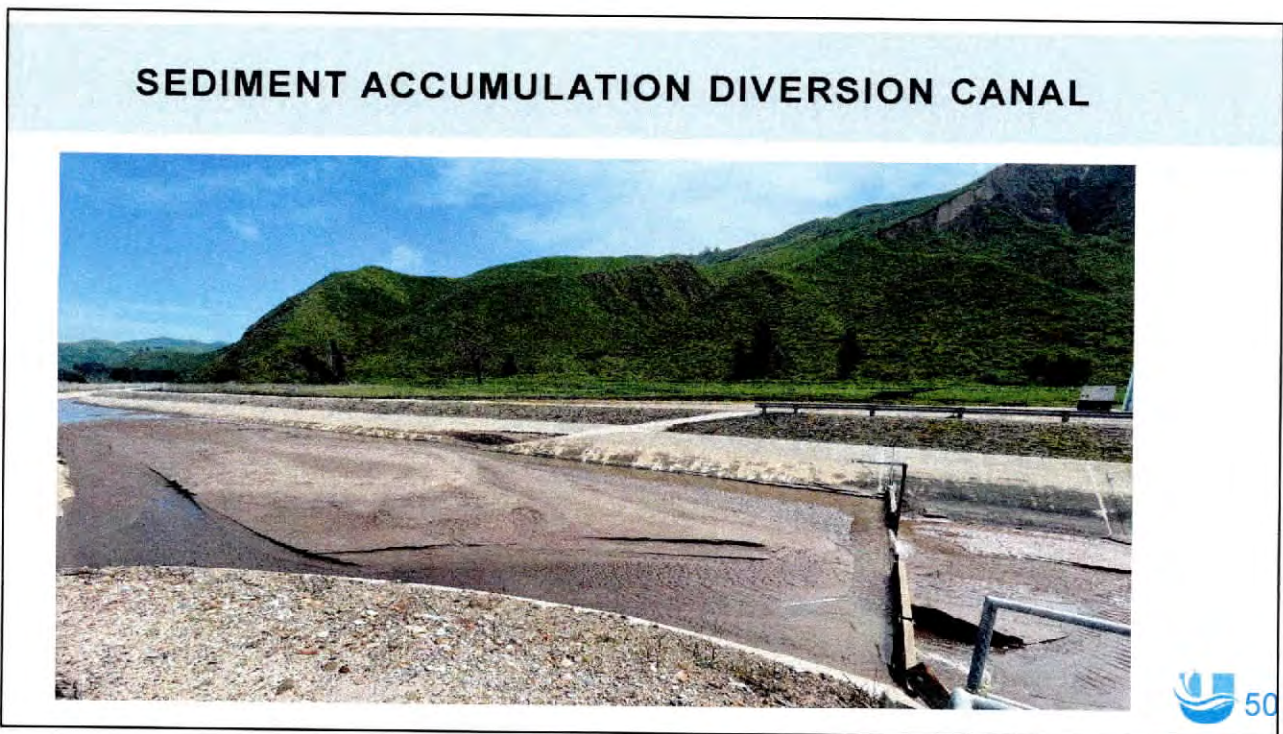
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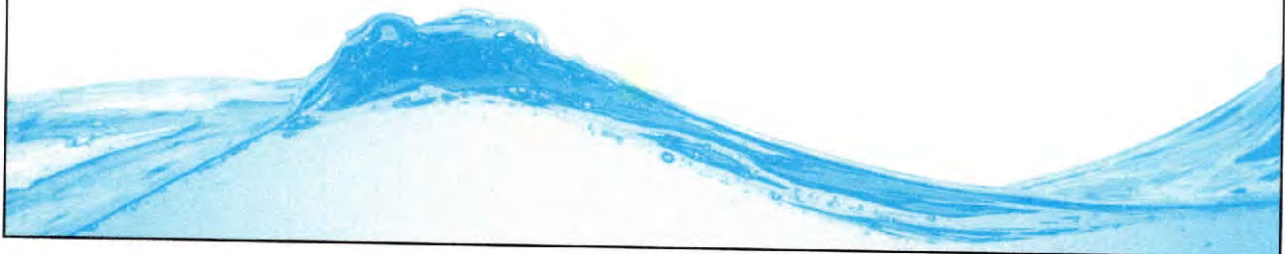
50

SEDIMENT ACCUMULATION DESILTING BASIN

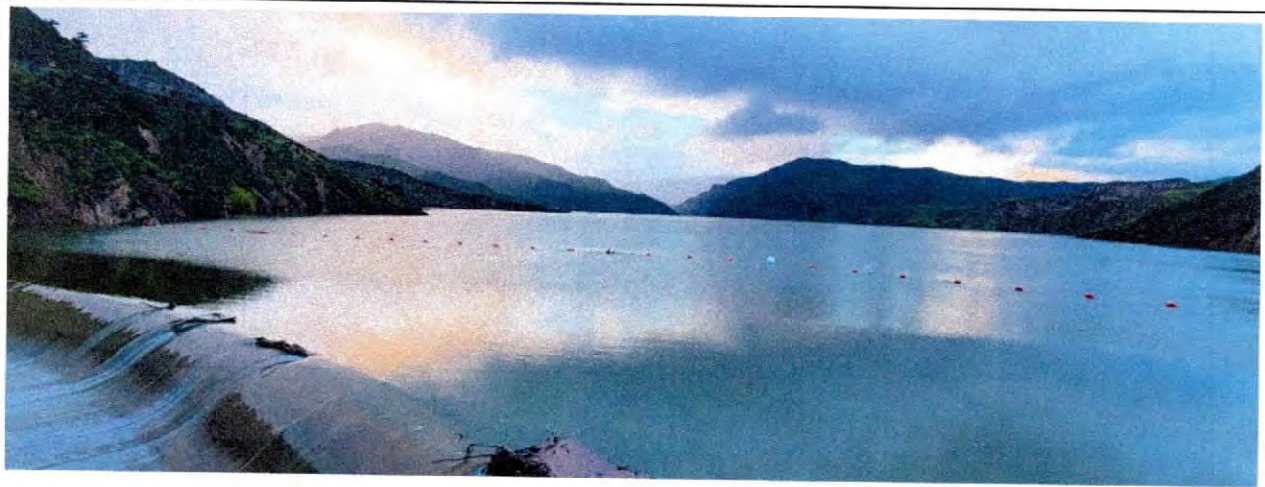


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QUESTIONS?



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ENGINEERING DEPARTMENT MONTHLY UPDATE

April 12, 2023



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Santa Felicia Dam Safety Improvement Project

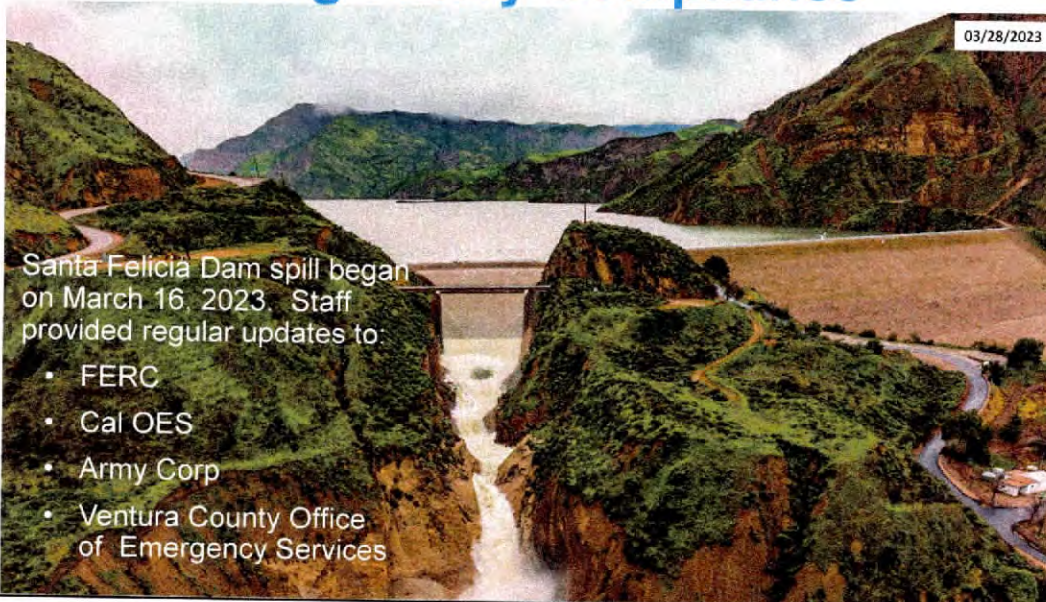
In preparation for Outlet Works Construction Phase:

- Released RFP/Q for CM and Inspection Services for the Outlet Works
- Provided a tour of SFD was to potential proposers and written responses to proposers' questions
- Met with FERC to discuss IRRMs
- Preparing responses to NMFS and FERC comments on the draft BA



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Santa Felicia Dam Safety Regulatory Compliance



Santa Felicia Dam spill began on March 16, 2023. Staff provided regular updates to:

- FERC
- Cal OES
- Army Corp
- Ventura County Office of Emergency Services



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Santa Felicia Dam Safety Regulatory Compliance



Fernandeño Tataviam Band of Mission Indians supported Staff with the content on Tataviam people's lifestyle.

NATURAL AND CULTURAL RESOURCES

Traditional Home of the Tataviam People

Before the construction of Santa Felicia Dam on Piru Creek, the area around what is now Lake Piru was originally inhabited by the Fernandeño Tataviam Band of Mission Indians, while the Venturolo Chumash traditionally occupied land to the west. Several Tataviam villages are known to exist in and around the area now known as Piru, and the creek would have provided a critical source of fresh water. The Tataviam practiced hunting and gathering for food, and subsisted on small game and local vegetation, including yucca, juniper



berries, sage seeds, and acorns from the oak woodlands still seen around Lake Piru. The word "Piru" means "hole," a versatile reed that was used to make houses, clothing, mats, baskets, and tools, and is common along Piru Creek, highlighting the importance of the creek and surrounding area to the Tataviam people.

© "Tataviam" meaning "people" in any quantity, made of finished oak and cedar poles by the Fernandeño Tataviam Band of Mission Indians, 2019. www.fernandeviam.com



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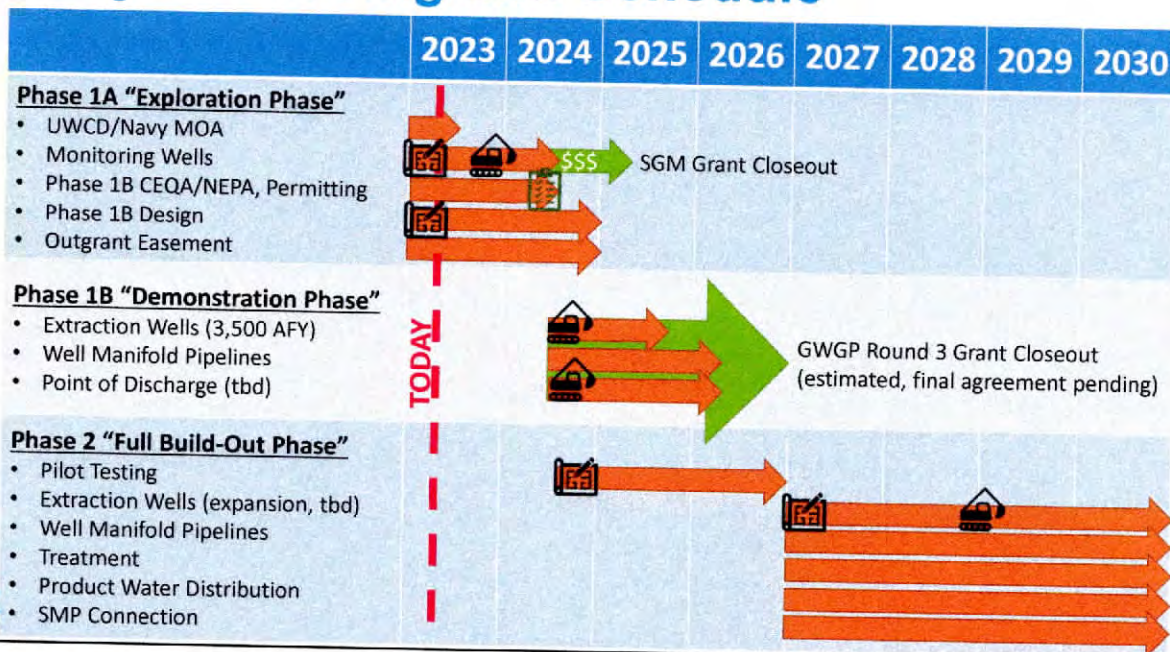
Iron and Manganese Treatment Facility



➤ DOD OLDCC Audit/
Site Tour on April 19

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Project Phasing and Schedule



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Public Outreach



March 23 - Eng/ WR/ ESD Staff toured the Charles E. Meyer Desalination Plant in Santa Barbara



March 15- Mauricio and Robert attended meeting with LAFCO



March 29 – at El Rio Fe/Mn Treatment Facility Project as part of District Open House and Facilities



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QUESTIONS



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Santa Felicia Dam Spillway-- March 16, 2023

ENVIRONMENTAL SERVICES DEPARTMENT MONTHLY UPDATE


April 12, 2023




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Department Summary Updates


- Freeman operations support
- Activities initiated in response to Lake Piru spill
 - Lower system quagga mussel monitoring
- Clean Water Act permits for maintenance activities at Lake Piru
- Clean Water Act permits for emergency work in Reasoner Creek



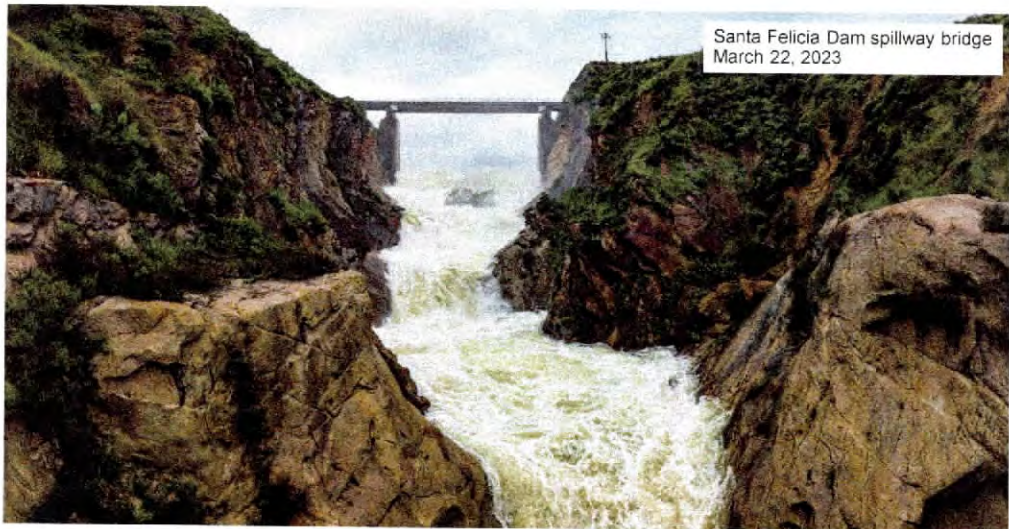
Freeman Diversion – March 2023



Reasoner Creek Emergency Work – March 28, 2023





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Santa Felicia Dam spillway bridge
March 22, 2023

Photo credit: John Carman

QUESTIONS ?




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El Rio Well Replacement Program Water Well No. 20 Construction Project

Bid Results:

- Bakersfield Well and Pump: \$849,283
- Best Drilling and Pump: \$953,000
- Layne Christensen Co: \$1,144,670.08



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