



Board of Directors
Michael W. Mobley, President
Bruce E. Dandy, Vice President
Sheldon G. Berger, Secretary/Treasurer
Patrick J. Kelley
Lynn E. Maulhardt
Edwin T. McFadden III
Daniel C. Naumann

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
UWCD BOARD MEETING
WEDNESDAY, September 9, 2020 at 12 noon
UWCD Headquarters (and via Webex)
1701 N. Lombard Street, Oxnard CA 93030

DIRECTORS PARTICIPATING

President Michael W. Mobley
Vice President Bruce E. Dandy
Secretary/Treasurer Sheldon G. Berger (virtual)
Patrick J. Kelley (virtual)
Lynn E. Maulhardt
Edwin T. McFadden III (virtual)
Daniel C. Naumann

STAFF PARTICIPATING

Mauricio E. Guardado, Jr., general manager
David D. Boyer, legal counsel
Dr. Maryam Bral, chief engineer
Anthony Emmert, assistant general manager
John Carman, operations and maintenance program supervisor (virtual)
Brian Collins, operations and maintenance manager
Dan Detmer, supervising hydrogeologist
Joseph Jereb, chief financial officer
John Lindquist, senior hydrogeologist
Murray McEachron, principal hydrologist
Craig Morgan, senior engineer (virtual)
Josh Perez, human resource manager
Zachary Plummer, IT administrator
Linda Purpus, senior environmental scientist (virtual)
Robert Richardson, senior engineer (virtual)
Kris Sofley, executive administrative coordinator/clerk of the board
Clayton Strahan, chief park ranger
Dr. Jason Sun, senior hydrogeologist/modeler

PUBLIC PARTICIPANTS

David Brodly, financial consultant
Frank Brommenschenkel, Frank B & Associates
Brian Forbath, financial consultant
Burt Handy
Charlotte Holifield, CSDA
Larry Lom, financial consultant
Jennifer Tribo, Ventura Water

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

President Mobley called the meeting to order at 12noon. Clerk of the Board conducted roll call. All Directors were present, with Berger, Kelley and McFadden participating virtual, while Dandy, Maulhardt, Mobley and Naumann were present in the Boardroom.

1.1 Public Comments

Information Item

President Mobley asked if there were any comments from the public. None were offered.

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

District's Legal Counsel David Boyer addressed the Board, stated that pursuant to Government Code Section 54956.9 (d)(1), the Board would be discussing four cases of existing litigation: three brought by the City of San Buenaventura and one brought by the Wishtoyo Foundation; pursuant to government code section 54956.9(d)(2), the Board would review the Government Code Claim presented by the estate of Naya Rivera and by Josey Hollis Dorsey; and pursuant to Government Code Section 54956.9(d)(2) would be discussing two cases of anticipated litigation, as outlined in the Executive (Closed) Session Agenda (Exhibit A).

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

2. SECOND OPEN SESSION AND CALL TO ORDER 1:08 P.M.

President Mobley called the second open session of the Board meeting to order at 1:08p.m. He asked Director Naumann to lead everyone in the Pledge of Allegiance.

2.1 Pledge of Allegiance

Led by Director Daniel Naumann

2.2 Public Comment

Information Item

President Mobley asked if there were any public comments. None were offered.

2.3 Approval of Agenda

Motion

President Mobley asked if there were any changes to the agenda. General Manager Mauricio Guardado replied the agenda stands as is. President Mobley asked for a motion.

Motion to approve the agenda, Director McFadden; Second, Director Dandy. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries 7/0.

2.4 Oral Report Regarding Executive (Closed) Session

Information Item

District Legal Counsel David D. Boyer reported that the Board took no action in Executive (Closed) session that is reportable under the Brown Act.

2.5 Board Communication (oral reports)

Information Item

Director Kelley reported that he had a virtual meeting with the General Manager on August 10 and participated virtually in the Special Board meeting on August 19. He also reported meeting with various constituents from his division, including Harold Edwards and Alex Teague of Limoneira and members of the Leavens family.

Director McFadden reported that he participated in the Fillmore and Piru Basins GSA Board meeting on August 20 and in the UWCD Engineering and Operations Committee meeting on September 3.

Director Berger reported attending the Special Board meeting on August 19, a meeting with the General Manager, and the UWCD Finance Committee meeting on September 8.

Director Maulhardt reported attending the Special Board meeting on August 19, a meeting with the General Manager, and the UWCD Legislative and Outreach Committee meeting on September 8.

Director Dandy reported attending a meeting of the Ventura County Special District Association, the Special Board meeting on August 19, a virtual event hosted by Congresswoman Julia Brownley on August 30, and the UWCD Finance Committee and Legislative and Outreach Committee meetings on September 8.

Director Naumann reported attending the Special Board meeting on August 19, a meeting with the General Manager, several visits with the Pleasant Valley County Water District, who were very pleased with the water supply from the Freeman Diversion, and also substituted for Director Kelley at the UWCD Finance Committee meeting on September 8 and attended the UWCD Engineering and Operations Committee meeting on September 3.

President Mobley reported his attendance at the Mound Basin GSA Workshop on August 20, several Fox Canyon GMA meeting, and would be attending the FCGMA Special Board meeting on September 11 and the FCGMA Regular Board meeting on September 23, and he also substituted for Director McFadden on the UWCD Water Resources Committee meeting on September 1. He and Director Naumann both attended a meeting with the General Manager and staff in preparation for the Fox Canyon GMA meeting and on September 8, he met with the General Manager to prepare for today's Board meeting.

2.6 General Manager's Report (oral report)

Information Item

Mr. Guardado reported that in August, he celebrated his fifth anniversary with the District and joked that he appreciated the Board not making a big deal about it. Director Naumann said the Board celebrated him by having a Special Board meeting in August.

2.7 Special District Leadership Foundation Presentation of District Transparency Certificate of Excellence to United Water Conservation District

Ceremonial Item

Charlotte Holifield, Public Affairs Field Coordinator for the California Special District Association (CSDA) addressed the Board, stating that she was representing the Special District Leadership Foundation arm of the CSDA and was honored to present the District and President Mobley with its District Transparency Certificate of Excellence. She explained that the Transparency Certificate of Excellence recognizes transparency in the operations and governance of special districts to the public and provides special districts with an opportunity to showcase their efforts in transparency, covering all general, website and outreach best practices. She congratulated the Board and District staff and said that the certificate affirms the District's commitment to engaging the public and creating greater awareness of its activities.

Josh Perez, HR Manager, addressed the Board stating that the District's next goal was the CSDA's District of Distinction recognition, underscoring the best practices and leadership role of the District. He also explained that not only was the recognition of value, but by meeting the requirements for these various awards, the District has saved between \$60,00 and \$80,000 dollars on its insurance premiums. He also said he looks forward to continuing staff training through the CSDA's Leadership Foundation.

Director Maulhardt thanked Ms. Holifield and expressed his appreciation of the CSDA's Leadership Foundation's recognition.

2.8 Update on Public Health Mandates Regarding Coronavirus Pandemic (COVID-19)

Information Item

Mr. Perez updated the Board on the latest measures being taken and recommended by the State of California Department of Public Health, Center for Disease Control and World Health Organization, among other sources, as well as executive orders from County Public Health officials, CA Governor Newsom and President Trump regarding the COVID-19 virus. He also explained the new colored tier system being used throughout California, explaining that presently, Ventura County was in the top tier, Purple, which encompasses the tightest restrictions for public health and safety guidelines. The next tier is red, which offers some opening of services, followed by an orange tier and a yellow tier being the best in terms of new coronavirus cases, hospitalizations and deaths.

Director Kelley said there is a 21 day “rest” period at each tier and Director Dandy said that at three weeks per tier it would be at least six weeks before the County could be in the yellow tier. President Mobley said that according to the County’s website, the county is currently testing at 6.9%. Mr. Perez said the goal is to reduce new cases to less than 60 per day based on the population of the county.

Director Naumann asked about restrictions at Lake Piru Recreation Area. Mr. Perez said that camping capacity is restricted to 50 percent of availability and the swim beach is closed but that is about the only limits. Boating, fishing, picnicking is all available but with social distancing and wearing masks in public spaces is mandatory.

Chief Park Ranger Strahan added that Labor Day is the end of the season for Lake Piru and he is expecting declines in visitation after the holiday weekend. He also said that PMC, the concessionaire at the lake, is planning a special promotion of 10 things to do in 10 days which they hope will increase visitation in the months ahead.

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

A. Approval of Minutes

Motion

Approval of the Minutes for the Regular Board Meeting of July 8, 2020, Special Board Meeting of July 13, 2020 and Special Board Meeting of August 19, 2020.

B. Groundwater Basin Status Reports

Information Item

Receive and file Monthly Hydrologic Conditions Report for the District.

C. Monthly Investment Report

Information Item

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

D. Consideration to Amend District’s Conflict of Interest Code

Motion

The Board will consider adopting an updated Conflict of Interest Code and, if adopted, will amend the Board of Directors Policies and Procedures with the updated Conflict of Interest Code.

**E. Consideration to Amend Board of Directors Policies and Procedures –
Section 3, Committees to reflect current Standing Committees**

Motion

The Board will consider adopting an amendment to the Board of Directors Policies and Procedures, Section 3, Committees, updating the document to reflect current standing committee reorganization and descriptions put in place in February 2020.

Motion to approve the Consent Calendar, Director Naumann; Second, Director Kelley. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4. MOTION ITEMS (By Department)

Administrative Services Department - Anthony Emmert

4.1 Resolution 2020-18 Stating the Board's Intention to Authorize the Execution and Delivery of Revenue Certificates of Participation and Authorize the General Manager, Assistant General Manager and Chief Financial Officer to take the initial actions necessary for the preparation to execute Revenue Certificates of Participation

Motion

Mr. Jereb addressed the Board, asking for consideration of adopting Resolution 2020-18, and stressed that it was approving the Board's intention to authorize the execution and delivery of Revenue Certificates of Participation (RCPs), and authorize the General Manager, Assistant General Manager and Chief Financial Officer to take initial actions necessary for the preparation to execute the Revenue Certification of Participation. He added that once this is approved, staff will come back to the Board at the next meeting with all the actions completed and documentation ready for the actual issuance of RCPs.

Motion to adopt Resolution 2020-18 stating the Board's intention to authorize the execution and delivery of Revenue Certificates of Participation and authorize the General Manager, Assistant General Manager and Chief Financial Officer to take the initial actions necessary for the preparation to execute Revenue Certificates of Participation; Director Maulhardt; Second, Director Berger. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4.2 Resolution 2020-17 Nomination of Board Member to Serve as Special District Regular Member on the Ventura Local Agency Formation Commission (LAFCo)

Motion

The Board took no action on this motion.

Engineering Department – Dr. Maryam Bral

4.3 Resolution 2020-16 Designating authorization to United Water Conservation District's General Manager or Chief Engineer as the District's Agents for California Governor's Office of Emergency Services (CalOES) Hazard Mitigation Grant Program (MHMP) and Pre-Disaster Mitigation Program
Motion

Dr. Bral addressed the Board stating that the Resolution was discussed in the Engineering and Operations Committee meeting and the members agreed to recommend the adoption of Resolution 2020-16.

Motion to adopt Resolution 2020-16, designating authorization to United Water Conservation District's General Manager and/or Chief Engineer as the District's agents to provide responses and documents to the California Governor's Office of Emergency Services (CalOES) for the purpose of obtaining financial assistance for Grant Number DR4407-PJ0042, Director Maulhardt; Second, Director Naumann. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4.4 Accept Utility Easement Deed at Pumping Trough Pipeline Turnout No. 126
Motion

Dr. Bral stated that the Engineering and Operations Committee had also reviewed this motion item. Director Naumann stated that the Committee members recommend authoring the GM to accept the utility easement deed for PTP Turnout 126.

Motion to authorize the General Manager to sign and record utility easement deed granted to the United Water Conservation District by Gill-Reeder-Ladd Ranch Family Limited Partnership, a California Limited Partnership, Gill-Reeder-Ladd Management Company, Inc., as General Partner, and Gill-Reeder-Ladd-Management Company, Inc. related to Pumping Trough Pipeline (PTP) Turnout No. 126, Director Naumann; Second, Director Maulhardt. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4.5 Grand Canal Headworks Replacement Project Contract Award to DOD Construction
Motion

Dr. Bral explained that this construction would increase the volume of the Grand Canal at the Freeman Diversion. Director Naumann said the Engineering and Operations Committee had discussed the motion item and was recommend Board approval.

Motion to award a contract to the lowest responsible bidder, DOD Construction, in the amount of \$273,000 for construction of the Grand Canal Headworks Replacement Project, Director Naumann; Second, Director McFadden. Roll call

vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

4.6 Contract Amendment with Northwest Hydraulic Consultants for the 30 Percent Design for Freeman Diversion Hardened Ramp

Motion

Dr. Bral explained the need for further analysis of the Hardened Ramp as an alternative fish passage for the Freeman Diversion. Director Naumann said the motion was discussed at the Engineering and Operations Committee meeting and the committee was recommending the Board approve the contract amendment with NHC.

Motion to authorize the General Manager to execute an amendment to the professional services agreement with Northwest Hydraulic Consultants (NHC) in the amount of \$115,000 to provide further analysis of the Hardened Ramp as a Freeman Diversion Fish Passage Facility alternative, Director Maulhardt; Second, Director Naumann. Roll call vote: seven ayes (Berger, Dandy, Kelley, Maulhardt, McFadden, Naumann, Mobley); none opposed. Motion carries unanimously 7/0.

Park and Recreation Division – Clayton Strahan

4.7 Resolution 2020-19 Approving an Amended and Restated Ordinance No. 15 to Amend the Established Rules and Regulations for the Lake Piru Recreation Area and Extending the Authority Granted to the District's Park Ranger Personnel

Motion

Chief Park Ranger Strahan explained to the Board that the District had been approached by Dial, a security company recently hired by The Nature Conservancy to patrol its property along the Santa Clara River to help with mounting issues of homelessness, trash dumping, and trespassing in response to complaints from residents in the neighboring areas. Chief Park Ranger Strahan said that by amending the language in Ordinance 15, expanding the authorities of the Park Rangers beyond the Lake Piru Recreation Area, the Rangers could serve as additional security in and around the District's properties in Saticoy along the Santa Clara River as since the Park Rangers are trained in dealing with various situations that could be encountered in the execution of this security patrol, it would not impact the District's insurance and had no additional fiscal impact. He explained that Park Rangers could observe the area when on other District business and, with the addition of no trespassing signs and regular observations or patrols, it could reduce the occurrence of these problems.

The Board discussed issues of overlapping with law enforcement, such as the Ventura County Sheriffs or Ventura Police, and expressed concerns about having staff patrolling areas far from the lake and whether or not that would expose the District to undue risks at the Lake or require more trained staff. Park Ranger Strahan said patrols of the river area would be on a as need or when available basis, with the priority being Lake Piru.

Director Dandy said the Finance Committee had discussed this and explained that The Nature Conservancy's patrol is limited to its property and the District could share in the \$60,000 a year fee for private security. Park Ranger Strahan said that Lake Piru staff is already trained and available.

Director Maulhardt expressed concerns about the expanse of the District's boundaries and mentioned several areas throughout the District where problems exist or have occurred. He also had concerns about potential litigation if staff are confronting homeless encampments or other issues that he feels are beyond the scope of their responsibilities. Mr. Guardado said that TNC's patrols could push problems into the District's property and staff is well trained to deal with a variety of issues. Currently, if the District needed help within its boundaries, the Park Rangers could not respond because the current policy does not extend beyond Lake Piru Recreation Area.

Director Maulhardt said that instead of language expressing authority for the Rangers within the District's boundaries, maybe change it to District property. Legal counsel Mr. Boyer suggested attaching a map to indicate area of authority. He added that if there is a liability issue, absolute coverage of a \$10million policy for anything that could go wrong should address that. Director McFadden reiterated District owned property. Director Maulhardt agreed, saying where pumps are or at the spreading grounds, if there is a problem, call the Sheriff's Department. Define the problem areas on a map but he cannot support District boundaries as that goes from the County line to the Pacific Ocean. Director Maulhardt also suggested establishing protocols with Operations and Maintenance and Park Rangers, Operations staff can call Rangers to look at something, and if the Rangers are not available, then Operations would call the Sheriff's.

Chief Ranger Strahan said it is not staff's intention to be the police force, but rather to proactively address issues that arise in undeveloped areas within the District's boundaries. Illegal trash dumping and vagrants could be reduced by having patrol vehicles seen consistently in the area.

Mr. Guardado suggested that staff take the Board's suggestions and go back and refine the language of the motion and Ordinance to address the Board's concerns and devise the map clearly delineating the area of authority and the protocols for working with Operations and Maintenance on address issues that may arise on District property around the Santa Clara River. The Board took no action at this time.

5. PRESENTATIONS AND MONTHLY STAFF REPORTS (By Department)

Administrative Services Department - Anthony Emmert

5.1 Monthly Administrative Services Department Report – Anthony Emmert Information Item

The Board received a presentation from Joseph Jereb on Fiscal Year 2019-2020 final numbers (see presentation attached). President Mobley asked if there were any questions or comments for Mr. Jereb. None were offered.

Engineering Department – Maryam Bral

5.2 Monthly Engineering Department Report Information Item

The Board received a presentation (see attached) from Dr. Bral covering the Groundwater Flow Model which was presented by Dr. Sun, a bathymetric survey and drilling assessment at Santa Felicia in preparation for the Safety Improvement project, and an update on the City of Oxnard's recycled water project presented by Dr. Bral, and an update on the District's 2020 Conservation Release presented by Murray McEachron.

Regarding the Groundwater Model, Director Maulhardt said that staff's efforts are a validation of the Board's commitment to best in class and it is a proud moment for him when the District's Water Resources department is recognized as second to none in its outstanding achievements on the groundwater model. The outside validation of the groundwater model speaks exceedingly well of the District, as well as the time and energy of staff and confirms this is money well spent.

Dan Detmer said that Mr. McEachron's understanding of the system and Dr. Bram Sercu's analytical methods have contributed to the success of Dr. Sun's model and the entire Water Resources team is proud of the product.

Director McFadden added that the upper basins groundwater sustainability plans will determine the livelihood of farms and farmers and it is good to have a model that we have confidence in.

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

Environmental Services Department – Anthony Emmert

5.3 Monthly Environmental Planning and Conservation Department Report Information Item

Linda Purpus addressed the Board stating that Brian Collins had given an update on the Sediment Management at the Freeman Diversion to the Engineering and Operations Committee and was asked to provide a summary of that presentation to the Board (see attached).

Ms. Purpus explained that the project was a multi-department effort including Operations and Maintenance, Environmental Services, Water Resources and

Recreation as well. She also recognized the efforts of John Carman for his photography and videos capturing the ongoing activity.

President Mobley asked if there were any questions or comments for Ms. Purpus or Mr. Collins. None were offered

Operations and Maintenance – Brian Collins

5.4 Monthly Operation and Maintenance Department Report

Information Item

Summary report on monthly operations and maintenance of District facilities was received by the Board.

President Mobley asked if there were any questions or comments for Mr. Collins. None were offered

Park and Recreation Division – Clayton Strahan

5.5 Monthly Park and Recreation Department Report

Information Item

Summary report on operations and items of note relative to the Lake Piru Recreation Area were received by the Board.

President Mobley asked if there were any questions or comments for Chief Ranger Strahan. None were offered

Water Resources Department – Maryam Bral

5.6 Monthly Groundwater Department Report

Information Item

Summary report on monthly Groundwater Department activities were received by the Board.

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

5.7 Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)

Information Item

Summary report on the monthly activities of the three local Groundwater Sustainability Agencies was received by the Board.

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

6. BOARD OF DIRECTORS READING FILE

7. FUTURE AGENDA ITEMS

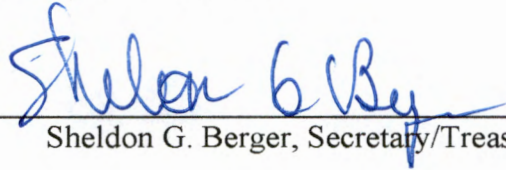
Mr. Guardado wished Senior Engineer Craig Morgan and Senior Hydrologist Dr. Bram Sercu happy birthday.

8. ADJOURNMENT 3:59p.m.

President Mobley adjourned the Board to the next **Regular Board Meeting** scheduled for **Wednesday, October 14, 2020**, or call of the President.

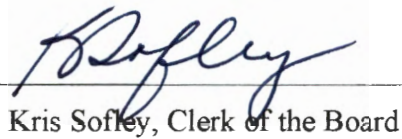
I certify that the above is a true and correct copy of the minutes of the UWCD Board of Directors meeting of September 9, 2020.

ATTEST:



Sheldon G. Berger, Secretary/Treasurer

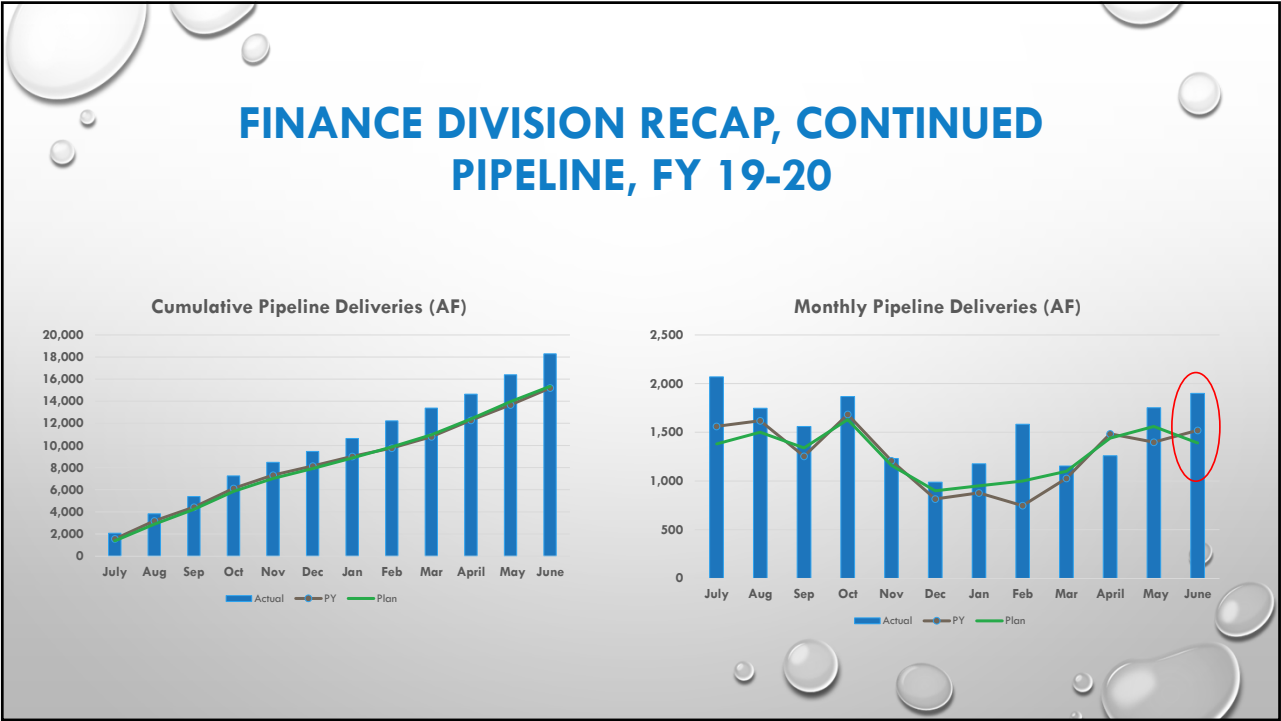
ATTEST:



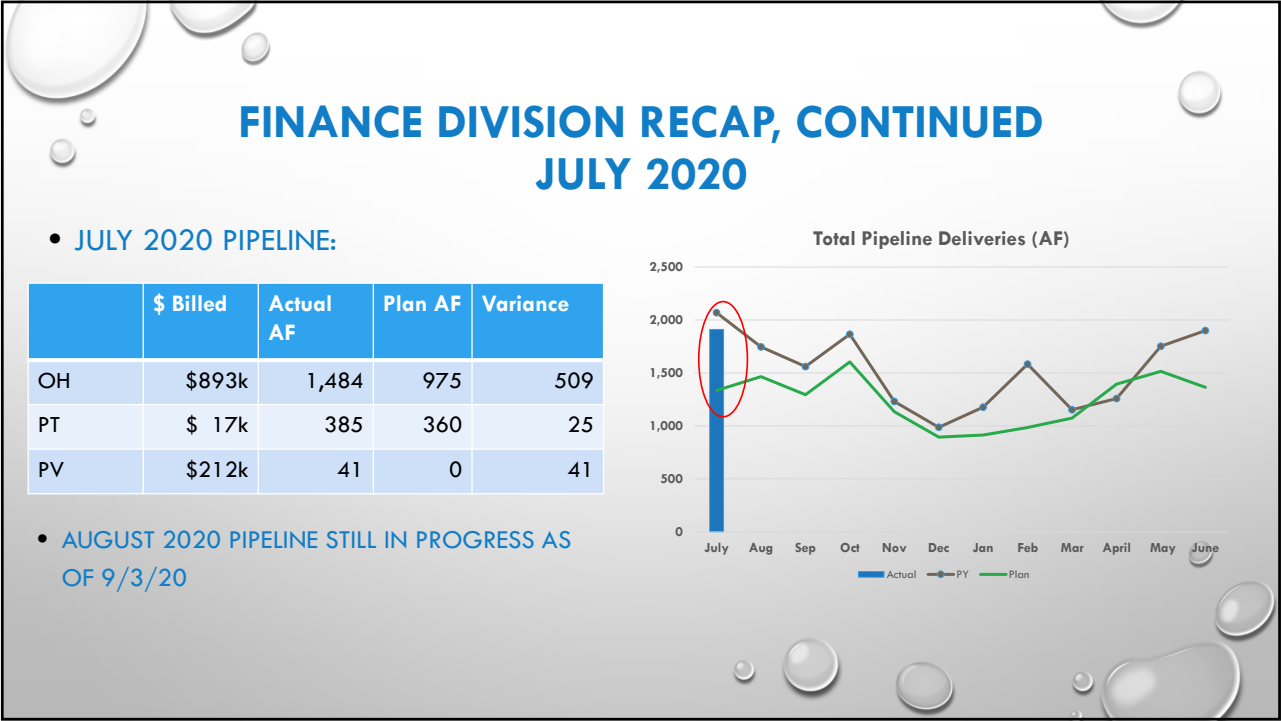
Kris Sofley, Clerk of the Board



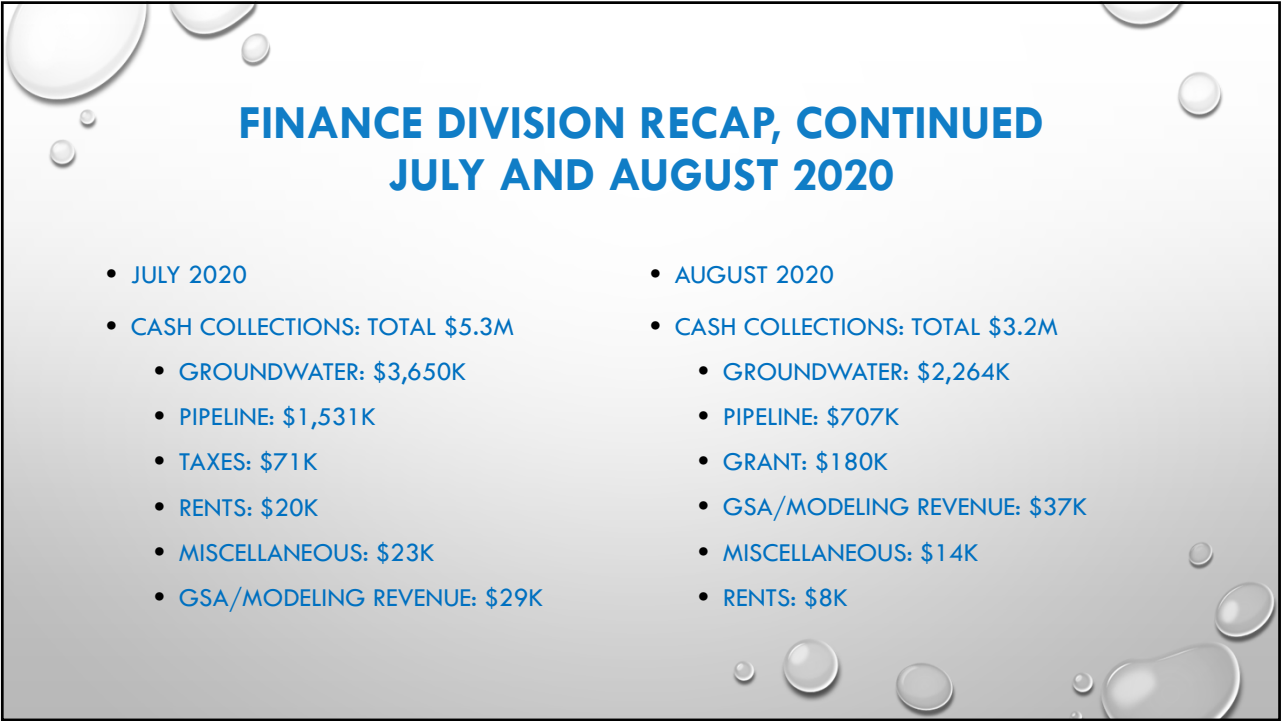
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4

FINANCE DIVISION RECAP, CONTINUED
JULY AND AUGUST 2020

- PREPARED FOR UPCOMING BOND FINANCING; DISCLOSURE TRAINING AND UPDATING OF LEGAL DOCS
- COLLECTED OVER \$5.8M IN PAYMENTS FOR GROUNDWATER PUMPING
- CONTINUED TO FINALIZE BILLING AND ESTIMATE PROCESS FOR GROUNDWATER; COMPLETED FIRST WEEK OF SEPTEMBER
- PLANNED FOR YEAR-END AUDIT FIELDWORK (SEPT. 14 – 30)
- BEGAN FISCAL YEAR CLOSE FOR FY 19-20
- ATTENDED KICKOFF MEETING FOR COASTAL BRACKISH WATER TREATMENT PLANT – BASIN IMPACT BENEFITS GRANT
- SR ACCT ATTENDED CSDA WEBINAR ON FINANCIAL MANAGEMENT OF SPECIAL DISTRICTS
- PLANNED FOR CONTROLLER’S UPCOMING LEAVE OF ABSENCE

5

ADMINISTRATIVE SERVICES RECAP
JULY AND AUGUST 2020

- FINISHING TOUCHES ADDED TO DISTRICT’S LIBRARY NEAR 1ST FLOOR RECEPTION AREA
- FINALIZED CONTENT FOR NEW DISTRICT WEBSITE
- COMPLETED SUBMISSION FOR 2020 ACWA HUELL HOWSER BEST IN BLUE ACHIEVING COMMUNICATIONS EXCELLENCE AWARD

6

HUMAN RESOURCES & RISK MANAGEMENT RECAP JULY AND AUGUST 2020

- NEW FY HR ITEMS: TITLE CHANGES, EVALUATIONS, ETC.
- ONBOARDING FOR TWO SEASONAL EMPLOYEES
- EXIT PAPERWORK FOR FIVE DEPARTED EMPLOYEES
- VERIFICATION OF EMPLOYMENT REQUESTS FOR SEVERAL CURRENT STAFF MEMBERS
- POSTED JOB LISTINGS FOR VACANCIES AND SCHEDULED INTERVIEWS FOR 13 POSITION

- LED DHS CISA DAMS SECTOR INFORMATION SHARING DRILL
- ARRANGED HAZWOPER TRAINING FOR KEY O&M STAFF
- LOCKOUT/TAGOUT TRAINING, WORKPLACE VIOLENCE AND SURVEILLANCE AWARENESS TRAINING TO O&M STAFF
- EVALUATED FIRSTNET DEVICES FOR POTENTIAL DISTRICT USE AND ADOPTION
- MONTHLY HQ BUILDING SAFETY INSPECTION, SAT PHONE TESTING, EVALUATED FIRST AID KITS

7

INFORMATION TECHNOLOGY JULY AND AUGUST 2020

- UPDATED HQ VOIP SYSTEM WITH UPGRADED POLYCOM SYSTEM
- DEPLOYED SEVERAL REPLACEMENT COMPUTERS TO STAFF
- CONTINUED TECH IMPROVEMENTS IN HQ BOARDROOM AND MEETING SPACES
- REPRESENTED IT DEPARTMENT IN DAM INFORMATION SHARING DRILL WITH DHS/CISA

- PARTICIPATED IN MONTHLY MEETING WITH FBI CYBERWAWTCH AND MULTI-STATE INFORMATION SHARING ANALYSIS CENTER.
- RESOLVED 25 SUPPORT DESK REQUEST FOR VARIOUS IT SERVICES

8

ENGINEERING & WATER RESOURCES UPDATES



Agenda

- 1. Groundwater Flow Model Update
- 2. Santa Felicia Dam Drilling Program Plan Updates
- 3. Bathymetric Survey
- 4. City of Oxnard's Recycled Water Projects
- 5. 2020 Conservation Release Update

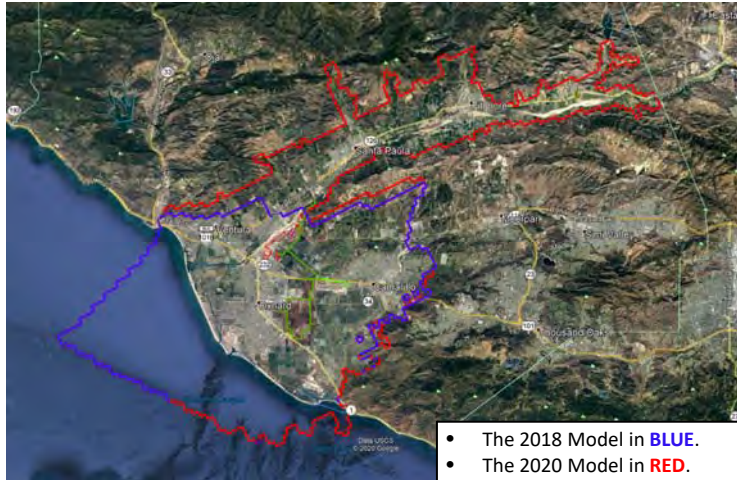
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Groundwater Flow Model Update

Senior Groundwater Modeler
Jason Sun, PhD, PE

2

Model Development History



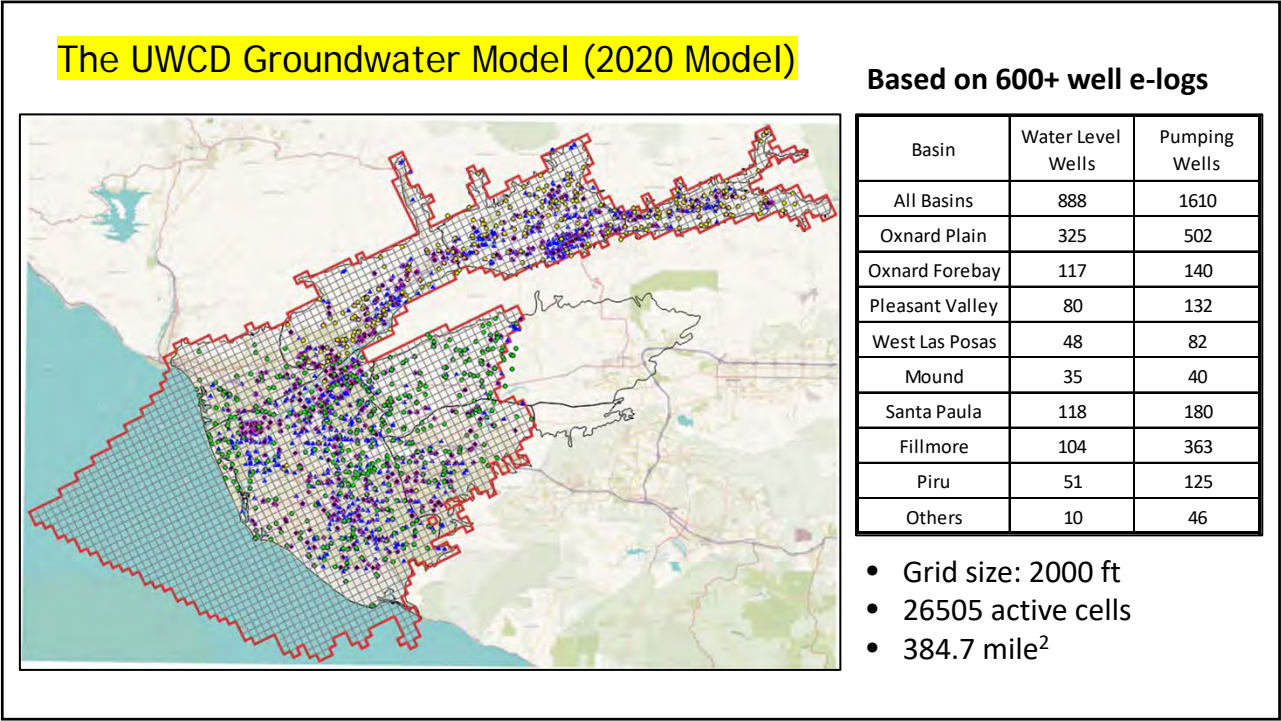
- U.S.G.S. completed a regional model in **1998**
- Consultants improved the USGS model from **2002 to 2006**
- UWCD hired a GW modeler in **2012**
- UWCD Started a new GW model in **Nov 2013**
- The GW model was reviewed since **March 2016**
- UWCD released the 2018 GW model in **2018**
- UWCD completed the model expansion in **August 2020**

3

UWCD Groundwater Model

- **MODFLOW-NWT** Version 1.2.0 – an open-source and well reviewed software developed by U.S.G.S.
- Time step: **DAILY**. Used to be monthly (2018 model)
- Calibration period: 1985 to 2015 (**11,322** daily stresses instead of **372** monthly)
- **Pumping**: Ag and M&I usages
- **Streams**: Santa Clara River, Piru Creek, Hopper Creek, Pole Creek, Sespe Creek, Santa Paula Creek, UWCD conservation releases
- **Diversions**: Various diversions along Santa Clara River, Piru Creek, and Santa Paula Creek
- **Surface water recharge** from precipitation, Ag/M&I usages
- Tile Drains and Evapotranspiration (ET)

4



5

Internal Review

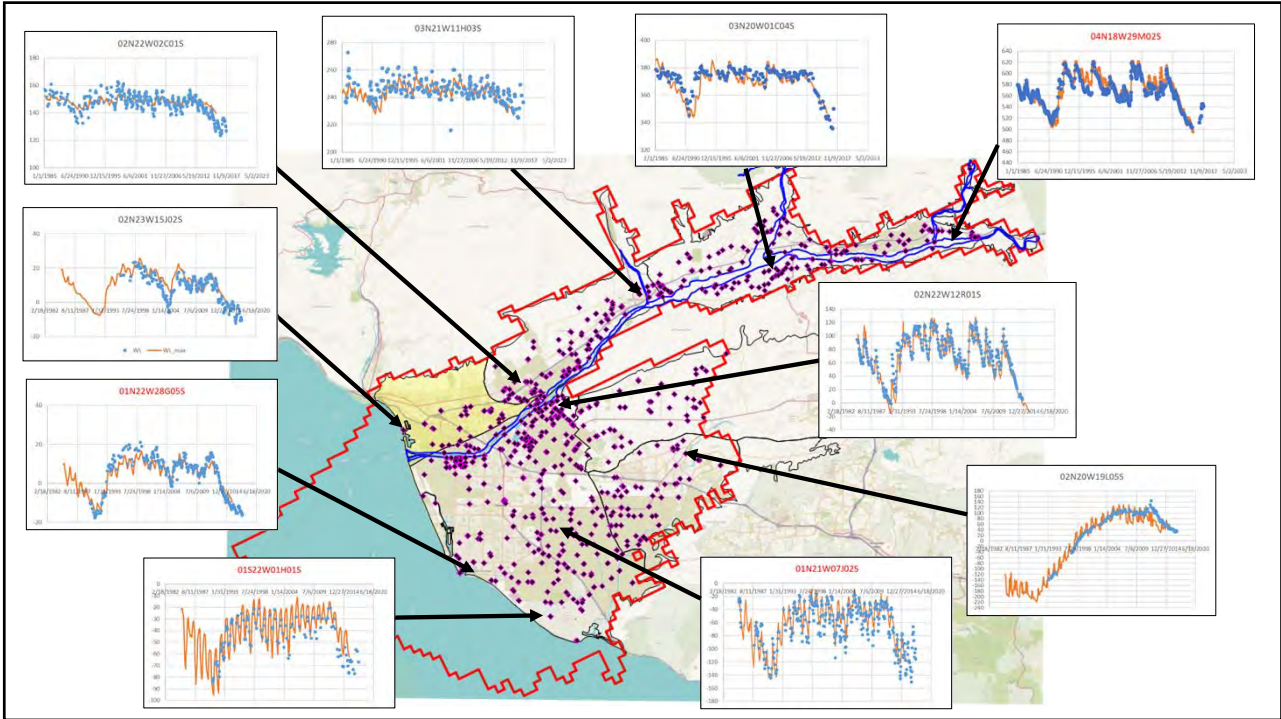
- The UWCD model with **monthly** time step was calibrated in June
- Per comments by UWCD hydrologists, UWCD needs a **working** model with **daily time step** for its operations. A calibrated model with monthly time step is not adequate.
- The **UWCD model with daily time step** was implemented and calibrated in July/August 2020
- In August 2020, the UWCD hydrologists concluded that the UWCD model has captured the essence of surface water interaction with groundwater:
 - Gaining and losing of stream flow
 - UWCD releases

6

External Model Review

- The 2020 groundwater model has been reviewed externally by an expert panel (Dr. Sorab Panday, Mr. John Porcello, and Mr. Jim Rumbaugh). The same panel has reviewed the UWCD groundwater model since March 2016
- The expert panel concludes that “... The model calibration to both heads and stream flows is very good, especially considering the size of the model grid cells compared to stream dimension in these three basins that have been added to the model ... the three of us believe that the model replicates the historically observed conditions quite well during the calibration period. Accordingly, the United Water District team should feel proud of the current model.”

7



8

Future Activities

- The 2020 UWCD Model:
 - Address the comments from the expert panel and hydrologists
 - Perform the sensitivity analysis and uncertainty analysis
 - Produce the model documentation
 - Perform the **model validation (2016 to 2019)**
 - **Support the GSP studies by Mound GSA and Fillmore & Piru GSA**
- The 2018 UWCD Model:
 - **The brackish water project (Prop 1 Grant)**

9

Teamwork

- Groundwater model development is not a 1-person project. **It takes a team.** The UWCD model development is made possible by:
 - **Hydrogeologists** from 2013 to present
 - **Hydrologists** from 2013 to present

Management

- General Manager: Mauricio Guardado
- Chief Engineer: Maryam Bral
- Supervising Hydrogeologist: Dan Detmer

10

Conclusions

After decades of seeking a groundwater model,...

- Now UWCD has a **working** groundwater model (daily time step)
- **Defensible** Model (in-depth reviews by top-notch modelers)
- **In-House** Model (UWCD can maintain and improve)
- Hope the Board is proud of the UWCD Model developed by the Water Resources Department

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Santa Felicia Dam Drilling Program Plan Approval

- 2/15 - Staff filed a NOD with CDFW
- 3/23 - DPP was finalized and submitted to DSOD
- 4/15 - Staff filed a Streambed Alteration Agreement notification with CDFW
- 4/30 - Staff filed an application for Dam Repair or Alteration to DSOD
- 5/14 - DSOD provided comments
- 5/21 - DSOD provided comments
- 6/10 - Revised DPP was submitted to DSOD and FERC
- 7/14 - Staff submitted application to Ventura County for 5 well permits
- 7/20 - FERC provided comments
- 7/24 - DSOD approved the Dam Repair or Alteration permit
- 7/31 - Revised DPP and a COVID-19 pandemic response plan were submitted to FERC
- 7/31 - Staff received a letter from CDFW to proceed without an agreement
- 8/5 - Ventura County Well permits were received
- 8/13 - FERC provided comments and verbally authorized United to proceed
- 8/18 - FERC provided comments on the DPP and COVID-19 plan and issued verbal authorization to proceed
- 8/28 - Revised DPP and COVID-19 plan were submitted to FERC
- Near future- FERC to formally approve the DPP

Santa Felicia Dam Drilling Program

- ❖ GEI, drilling crews and staff mobilized to SFD on August 17th
- ❖ Work was on hold during August 18-19th due to Holser Fire
- ❖ 10 of 27 borings were drilled from August 21 to September 4.
- ❖ Staff submits field daily reports and completed boring logs to DSOD and FERC for review.
- ❖ Expected Completion - November 2020

B315

A photograph showing a large red drilling rig on a concrete pad at a dam site. Two workers in orange safety gear are visible near the rig. The background shows a dry, hilly landscape under a blue sky with some clouds.

13

Santa Felicia Dam Drilling Program Cont.

B304

A close-up photograph of a worker wearing a bright green safety vest and gloves, holding a long, dark, cylindrical core sample from a drilling operation.

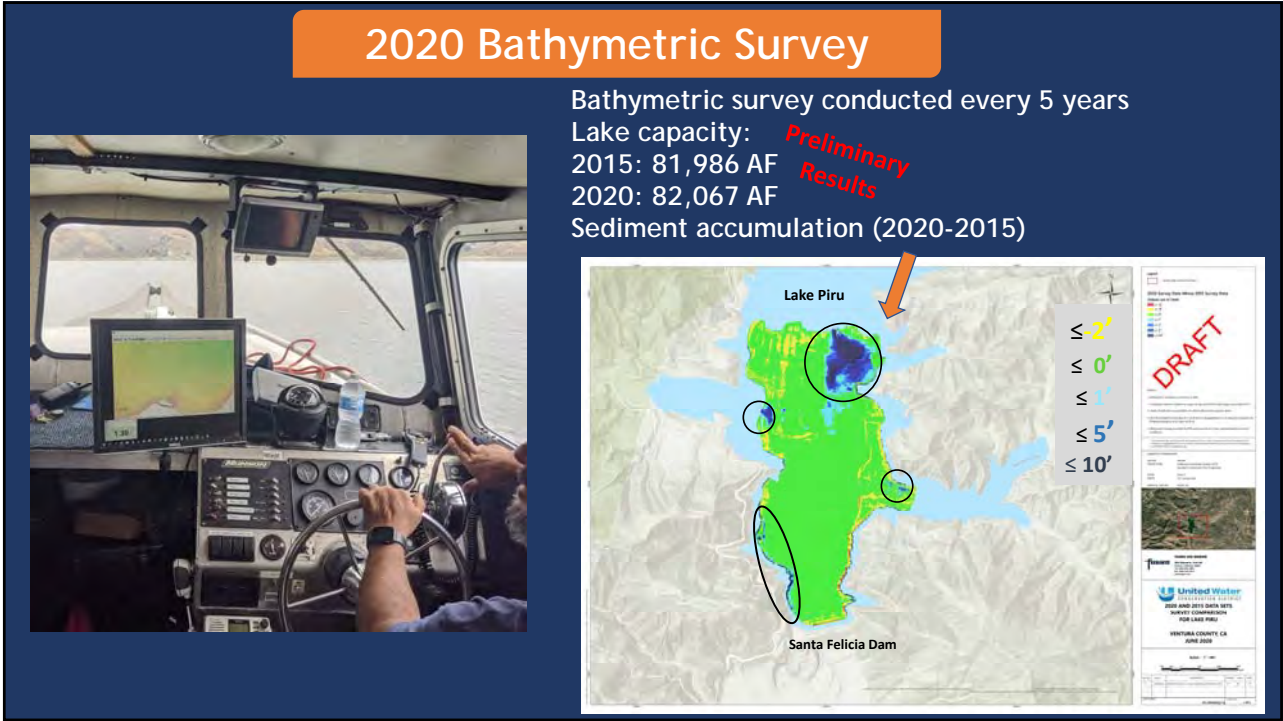
B301

A photograph of a drilling rig positioned on a concrete dam structure. The rig is yellow and black, and a worker is visible near it. The dam's surface is visible in the foreground, and a body of water is in the background.

14



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16

City of Oxnard's Recycled Water Projects

Hueneme Rd Recycled Water Pipeline Phase II Rebid

Smaller 24" dia. HDPE Pipe

❖ New Bid Opening Date

September 3rd

❖ 5 bids submitted

Base bid:
\$13,719,670 - \$16,877,155
Total bid:
\$18,559,000 - \$22,872,297

❖ 1 x 18" outlet at Nauman Rd-
Hueneme Rd

CITY OF OXNARD
RECYCLED WATER DISTRIBUTION

17

City of Oxnard's Recycled Water Projects Cont.

Campus Park ASR Phase 1 Well

1 bid:
\$4,501,600

Campus Park ASR Phase 1 Well

LAYOUT OF THE PHASE 1 ASR WELL AND MONITORING WELLS (HOPKINS)

FIGURE 2-2
CITY OF OXNARD
REPORT OF WASTE DISCHARGE
GRRP

Future
17 ASR Wells

LEGEND

Existing Transmission Lines:
CMWD Pipeline
O-H Pipeline
RW Distribution
Potable Distribution
Recommended New Transmission Lines and Wells:
New Concentrate Pipeline
RW Distribution
New Potable Wells
New ASR Wells

At Campus Park:
Add 5 ASR Wells,
Including
Demonstration
ASR Well

Complete
RW Loop

At BS 1/6:
Expand Desalter,
Add 5 Potable Wells
Add 7 ASR Wells

At BS 3:
Add SST Potable Well,
Add 6 ASR Wells

Extend RW Pipeline to Ag Users
(Hueneme Road Pipeline)

DPR at AWPF

Expand
AWPF to
18.75 mgd

RECOMMENDED
WATER/RECYCLED WATER
PROJECTS

FIGURE 4.7
CITY OF OXNARD
SUMMARY REPORT
PUBLIC WORKS INTEGRATED MASTER PLAN

OXNARD
carollo

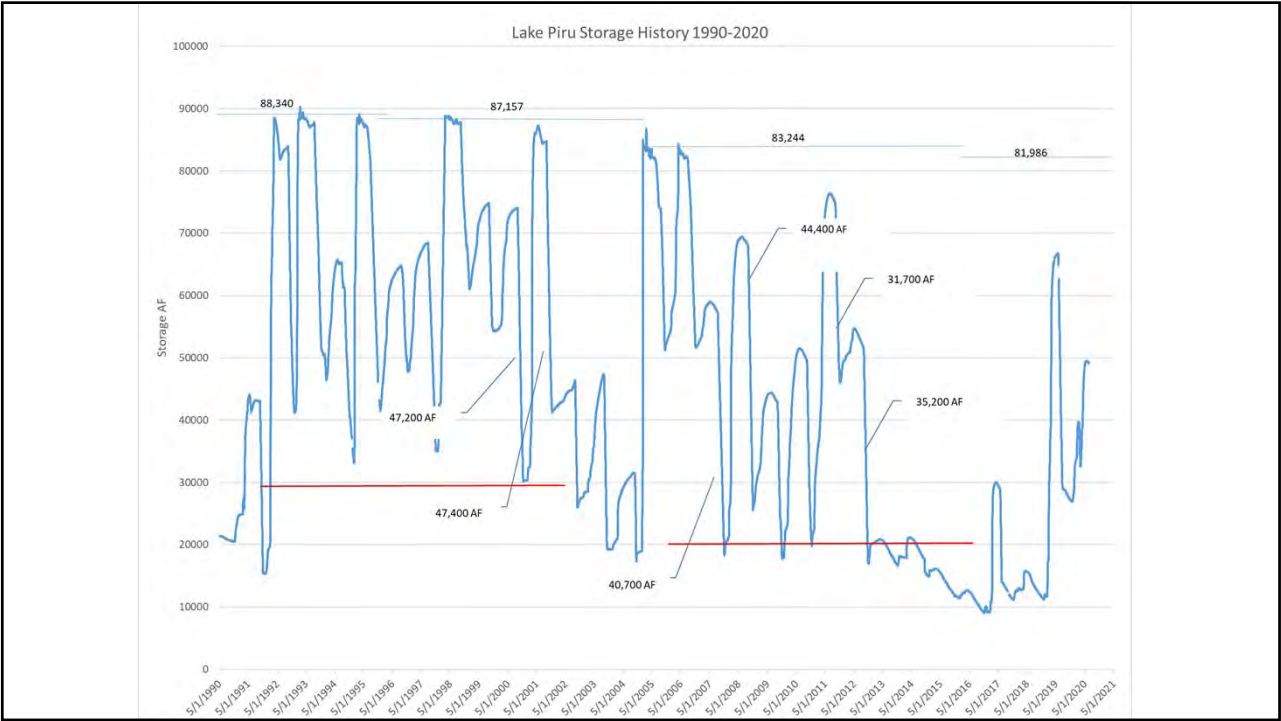
Ref. Public Works Integrated Master Plan Summary Report, Carollo, April 2016

18

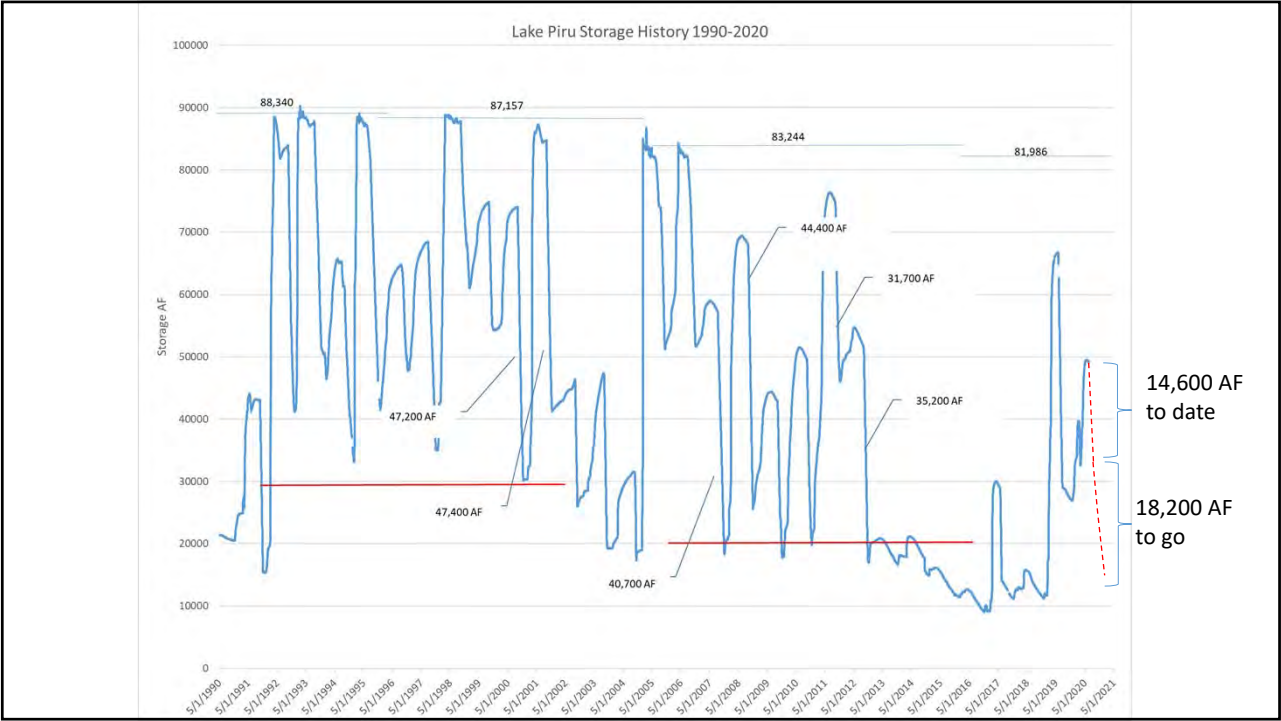
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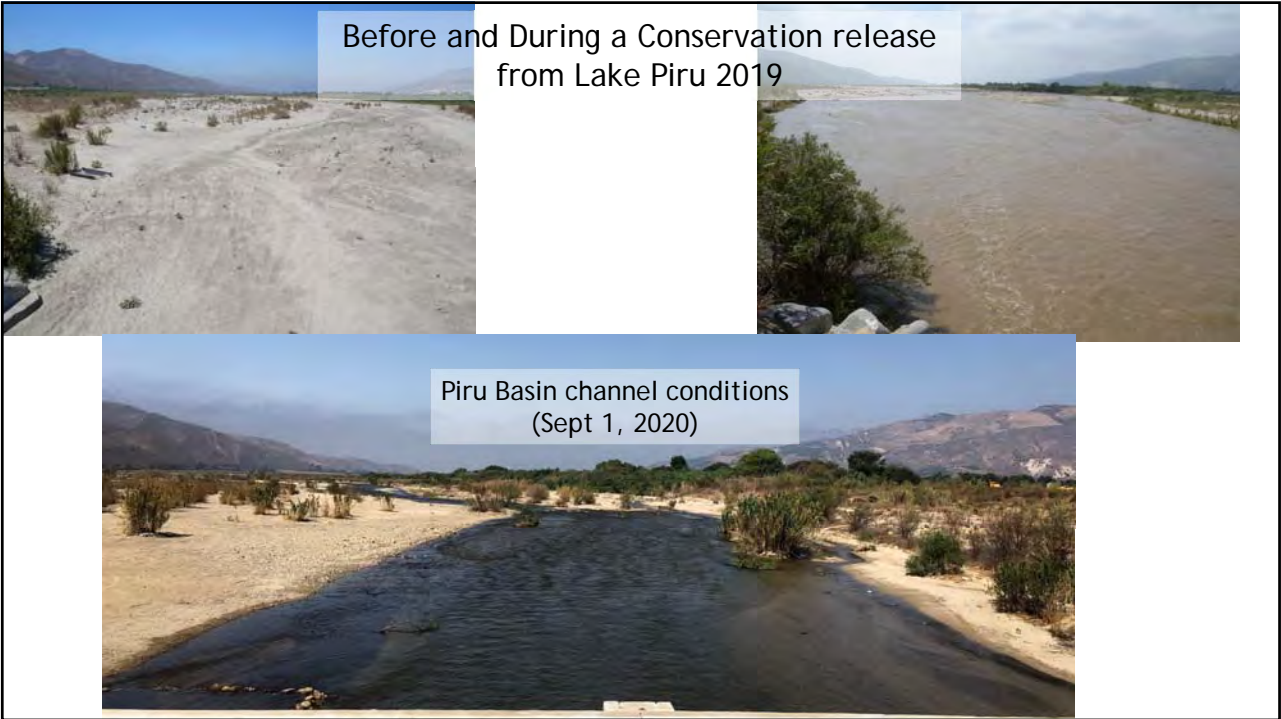
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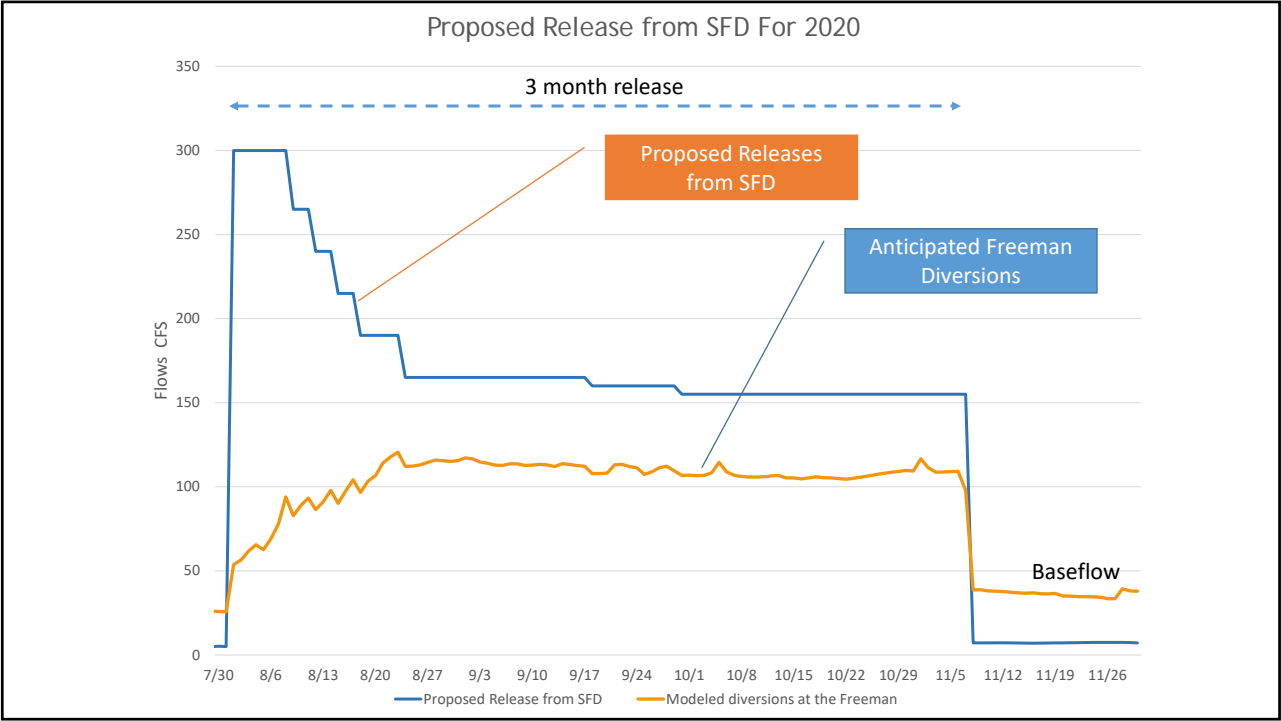
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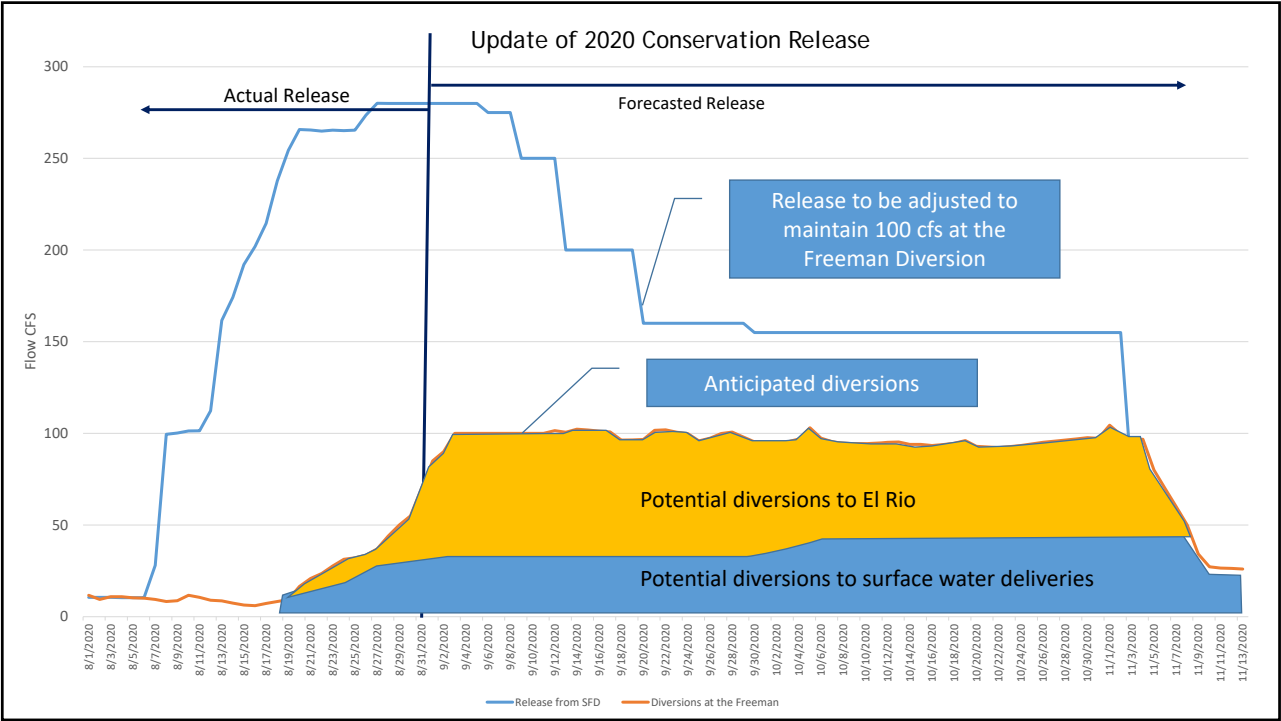
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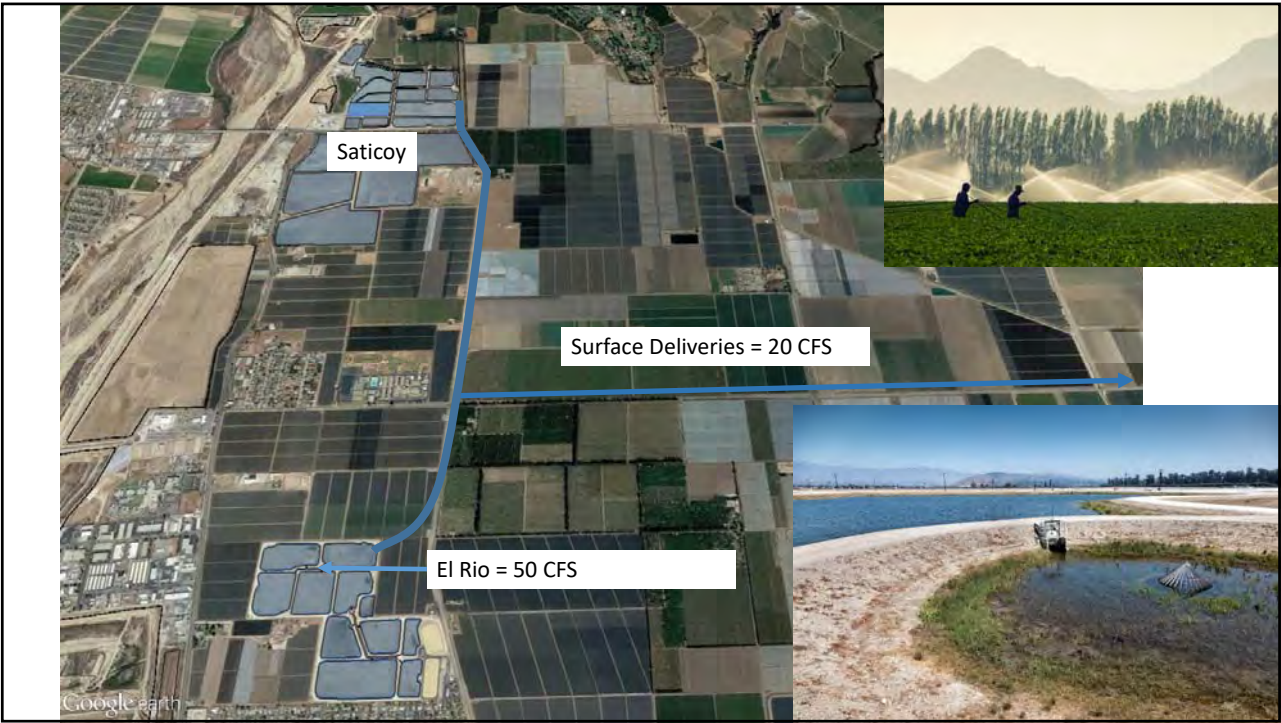
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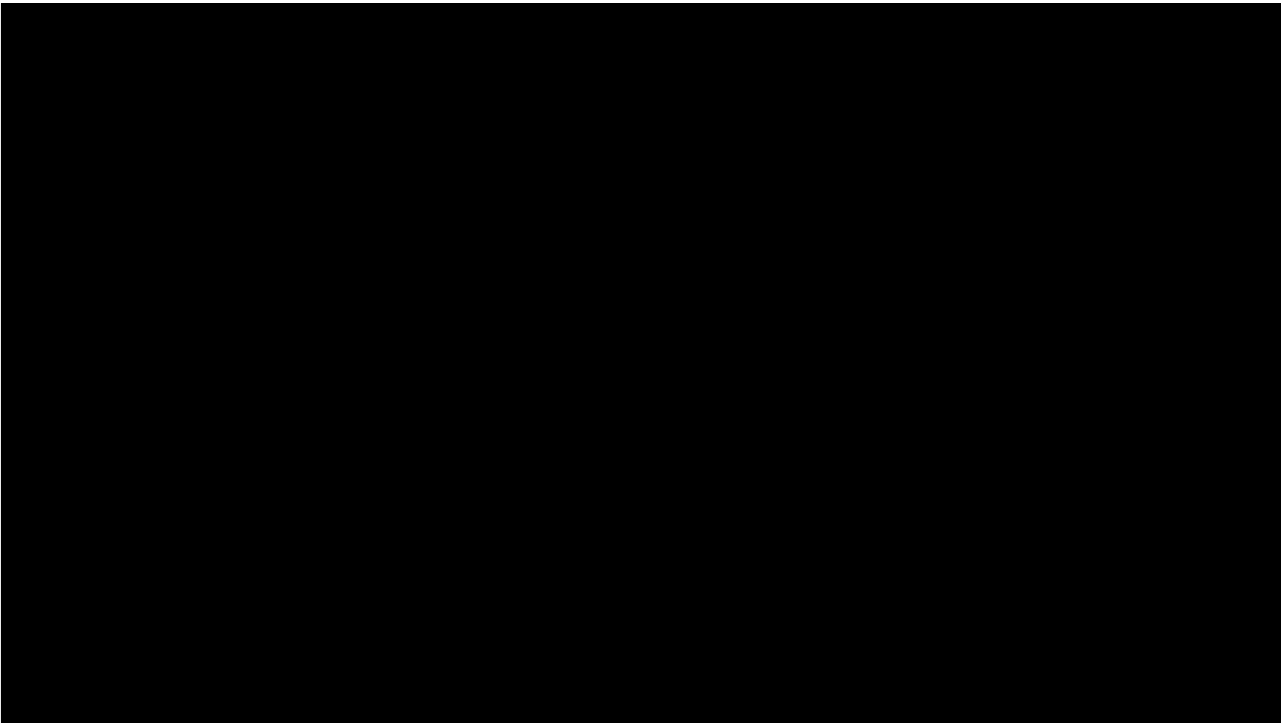
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THE SOLUTION



- 1. A.) Develop dredge effluent containment pond w/effluent weir/conveyance.
- 2. Install rental dredge attachment on rental long reach excavator (O & M).
- 3. Lower level to support seining the area upstream of fish screen (EPCD).
- 4. Install temporary fish screen upstream at project boundary (EPCD).
- 5. Raise canal level (O & M).
- 6. Initiate dredge activities from canal area (O&M).
- 7. Allow decant of dredge effluent.
- 8. Remove sand spoils from pond/percolation area (O&M).
- 9. Repeat as needed through September/November 2020.
- 10. Preliminary cost estimate \$50k/mo.

3

FREEMAN SEDIMENT MANAGEMENT PROJECT PREPARATION



4

PROJECT DESIGNED TO MINIMIZE REGULATORY CONSTRAINTS

Federal
Army Corps of Engineers (Section 404 CWA)
Regional Water Quality Control Board (Section 401 CWA)

State
CA Dept of Fish and Wildlife (Section 1602 F&G Code)

"[a]n entity shall not substantially divert or obstruct the natural flow of, or substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake, or deposit or dispose of debris, waste, or other material [...]."

5

5

ZONE EXCLUSION TRAINING



6

6



7

AGREEMENT EXECUTED AUGUST 7, 2020

Pre-activity surveys conducted August 6 & 7
Resumes for “Designated Biological Monitors” submitted July 31

WORK INITITATED AUGUST 8, 2020

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