



Board of Directors
Bruce E. Dandy, President
Sheldon G. Berger, Vice President
Lynn E. Maulhardt, Secretary/Treasurer
Mohammed A. Hasan
Edwin T. McFadden III
Michael Mobley
Daniel C. Naumann

General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
David D. Boyer

MINUTES
ENGINEERING AND OPERATIONS
COMMITTEE MEETING
Thursday, July 7, 2022, 9:00 A.M.
Board Room, UWCD Headquarters
1701 N. Lombard Street, Oxnard CA 93030

COMMITTEE MEMBERS IN ATTENDANCE

Lynn E. Maulhardt, chair
Gordon Kimball, director
Daniel C. Naumann, director

STAFF IN ATTENDANCE

Dr. Maryam Bral, chief engineer
Brian Collins, chief operations officer
John Carman, operations and maintenance program supervisor
Anthony Emmert, assistant general manager
Michel Kadah, engineer
Jackie Lozano, administrative assistant
Craig Morgan, engineering manager
Josh Perez, chief human resources officer
Linda Purpus, environmental services manager
Robert Richardson, senior engineer
Daryl Smith, controller
Erik Zvirbulis, gis analyst

PUBLIC IN ATTENDANCE (see attached)

Omar Castro, City of Oxnard

Call to Order – Open Session

Chair Maulhardt called the Committee to order at 9:02a.m. Chair Maulhardt, Director Kimball and Director Naumann were present,

1. Public Comments

Information Item

Chair Maulhardt asked if there were any comments or questions from the public for the Committee. None were offered.

2. Approval of Minutes

Motion

Motion to approve the Minutes from the June 2, 2022, Engineering and Operations Committee meeting, Director Naumann; Second, Chair Maulhardt. Voice vote: three ayes (Kimball, McFadden, Naumann). Motion carries unanimously 3/0/0.

3. July 13, 2022 Board Meeting Agenda Motion Items

3.1 Resolution 2022-34 A Resolution of the United Water Conservation District Board of Directors Adopting Volume 1 and United Water Conservation District's Annex included in Volume 2 of the 2022 Ventura County Multi-Jurisdictional Hazard Mitigation Plan

Engineer Michel Kadah addressed the Committee and shared a slide regarding this motion item (see attached). He asked the Committee to recommend approval of the Resolution 2022-34, adopting Volume 1 and United Water Conservation District's Annex included in Volume 2 of the 2022 Ventura County Multi-Jurisdictional Hazard Mitigation Plan, to the full Board.

Chair Maulhardt stated that the interactive map shown in the PowerPoint is very powerful. Director Kimball stated that it would be valuable if the Disadvantaged Communities were also referenced in the map.

The committee members agreed to recommend approval of the Resolution to the full Board.

3.2 Resolution 2022-35 Adopting the Revised Owner Dam Safety Program dated July 2022

Associate Engineer Adrian Quiroz addressed the Committee and shared a slide regarding this motion item (see attached). He asked the Committee to recommend approval of Resolution 2022-35, adopting the revised Santa Felicia Dam Owner Dam Program, dated July 2022, to the full Board. He provided an overview of the plan and the revisions to the program since the last update.

The committee members agreed to recommend approval of the Resolution to the full Board.

4. Project Highlights

4.1 Engineering Department Update (see attached slides)

Chief Engineer Dr. Maryam Bral made a presentation on the Engineering department activities, including updates on the Biological Assessment and the 30% design of the release reach channel. Chair Maulhardt inquired about the Water Infrastructure Finance and Innovation Act (WIFIA) loan application. Dr. Bral stated that the loan is under review and staff expects to have their complete approval sometime this year.

She also provided updates on the Iron and Manganese Treatment, Extraction Barrier and Brackish Water, and PTP Metering Improvement Projects.

4.2 Environmental Services Department Update (see attached slides)

Environmental Services Department Manager Linda Purpus made a presentation on the Environmental Services department activities, including updates on an extension to the Lake and Streambed Alteration Agreement, the California Endangered Species Act take coverage for the SFD project, and a pulsed flow study.

4.3 Operations and Maintenance Department Update (see attached slides)

Chief Operations Officer Brian Collins provided updates on the Operations and Maintenance department activities, including a collaboration with California Department Fish and Wildlife for sweeping/seining of fish from the impounded water areas within the Freeman Diversion facility. He stated that staff successfully dewatered the Freeman facility for the first time in three years; all of the recent collaboration was performed in efforts to minimize the impacts to biological resources.

Mr. Collins also provided updates on the physical modeling efforts. He stated that there has been good progress and that the team is working hard.

5. Future Agenda Topics

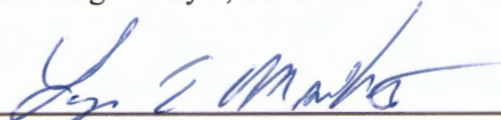
None were offered

ADJOURNMENT 10:50a.m.

Chair Maulhardt adjourned the meeting at 10:50a.m.

I certify that the above is a true and correct copy of the minutes of the Engineering and Operations Committee Meeting of July 7, 2022.

ATTEST:



Lynn E. Maulhardt, chair



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
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General Manager
Mauricio E. Guardado, Jr.

Legal Counsel
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ATTENDANCE LIST

MEETING DATE: Thursday, July 7, 2022

MEETING: UWCD Engineering and Operations Committee 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

Oxnard Oxnard

Oxnard

Resolution 2022-34

3.1 A Resolution of the United Water Conservation District Board of Directors Adopting Volume 1 and United Water Conservation District's Annex included in Volume 2 of the 2022 Ventura County Multi-Jurisdictional Hazard Mitigation Plan

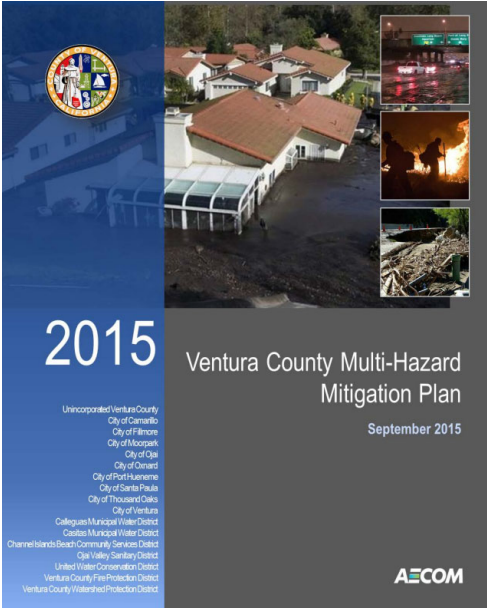


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Ventura County Multi-Hazard Mitigation Plan (HMP)

- Jointly developed in September 2015 by:
 - County of Ventura
 - Nine of the ten incorporated cities, and
 - United Water Conservation District and several water, park and school Districts
- Assesses risks posed by natural and human-caused hazards and establishes a mitigation strategy
- Board adopted the plan On Jan 11, 2017
- Updates are required under the **Federal Disaster Mitigation Act of 2000**

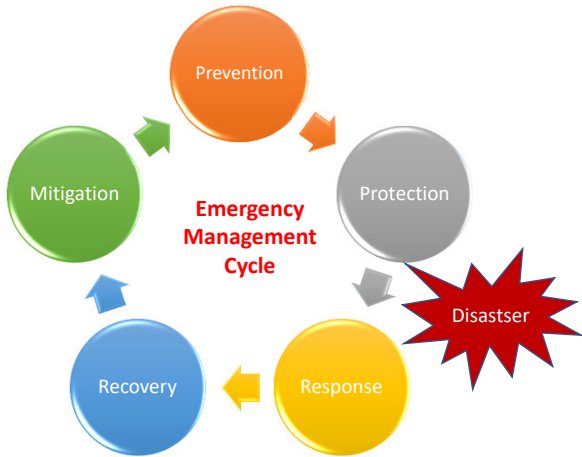


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Federal Disaster Mitigation Act of 2000

- Requires state and local governments to develop hazard mitigation plans as a condition for federal grant assistance
- Encourages and rewards local and state pre-disaster planning
- Integrates state and local planning
- Results in faster, more efficient allocation of funding and more efficient risk reduction projects
- Specific elements required to be included in the plan:
 - Risk assessment
 - Public outreach and participation
 - Process for update
 - Formal Cal OES and FEMA review



“Mitigation is a Sustained action taken to reduce or eliminate long-term risk to life and property”

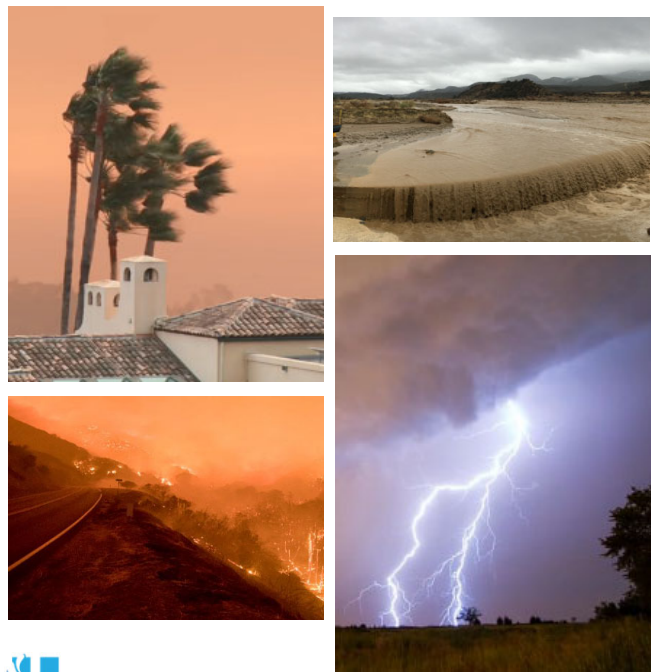


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3

Benefits of Hazard Mitigation Plans

- Establish and maintain eligibility for grant funds (\$\$\$ for projects)
- Improve understanding of risks and vulnerabilities
- Reduce negative impact of natural hazards
 - Actions save lives, reduce displacement, and speed recovery
- Encourage sustainable actions
 - Build strong, resilient, self-sufficient communities
- Foster collaboration between local jurisdictions and residents



4

4

2022 Ventura County Multi-Jurisdictional HMP

Volume 1 - (486 pages)

- Part 1 – Planning Process & County Profile
- Part 2 – Risk Assessment
- Part 3 – Mitigation Strategy

Volume 2 - (676 pages)

- Planning Partner Annexes – contains profiles and action items
- United Water Conservation District Annex **(Section 21 – 16 pages)**

Ventura County
**Multi-Jurisdictional
Hazard Mitigation Plan**
Update 2022
Volume 1—Area-wide Information

Ventura County
**Multi-Jurisdictional
Hazard Mitigation Plan**
Update 2022
Volume 2—Jurisdictional Annexes

21. UNITED WATER CONSERVATION DISTRICT

21.1 LOCAL HAZARD MITIGATION PLANNING TEAM

Primary Point of Contact
Brian Collins, Chief Operations Officer
3561 N. Rose Avenue
Oxnard, CA 93006
Telephone: 805-525-4431
e-mail Address: brian@unitedwater.org

Alternate Point of Contact
Michael Kadish, Engineer
1701 N. Lombard Street, Suite 200
Oxnard, CA 93006
Telephone: 805-525-4431
e-mail Address: michael@unitedwater.org

This annex was developed by the local hazard mitigation planning team, whose members are listed in Table 21-1.

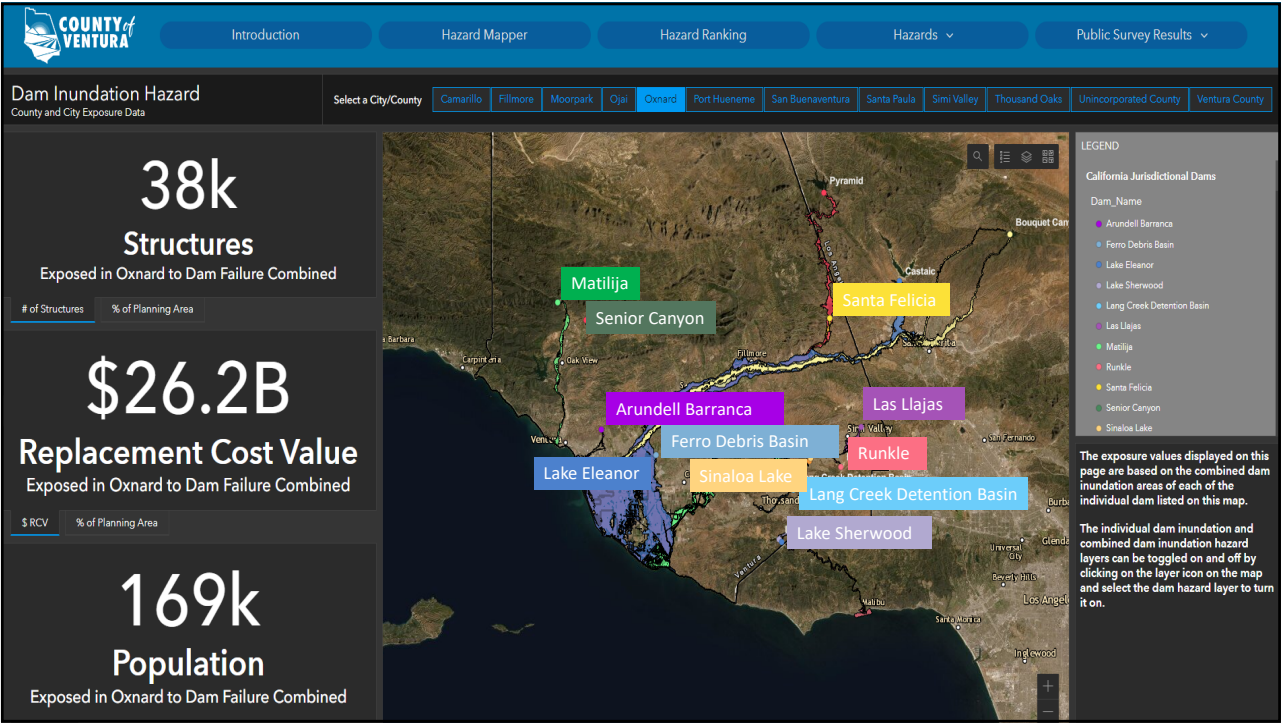
Table 21-1. Local Hazard Mitigation Planning Team Members

Name	Title
Brian Collins	Chief Operations Officer
Maryam Bral	Chief Engineer
Craig Morgan	Engineering Manager
Joan Pines	Human Resources Manager
Tony Huynh	Safety and Security Program Coordinator
Joslin Gornall	QAM Program Supervisor
Michael Kadish	Engineer
Adrian Quince	Associate Engineer

June 2022

Public Engagement Process

- Open Steering Committee meetings
- Public meetings and presentations
- Information on [County Plans - Ready Ventura County](#) and other planning partner websites
- Public survey
- Public Service Announcement video developed by OES and VCPWA-Watershed Protection
- 3-week public comment period for Draft Hazard Mitigation Plan
- Interactive StoryMap on [Ventura County MJHMP Update 2021 \(arcgis.com\)](#)



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Questions?



Resolution 2022-35

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

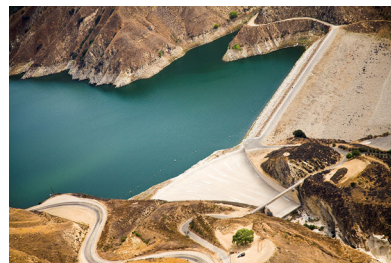


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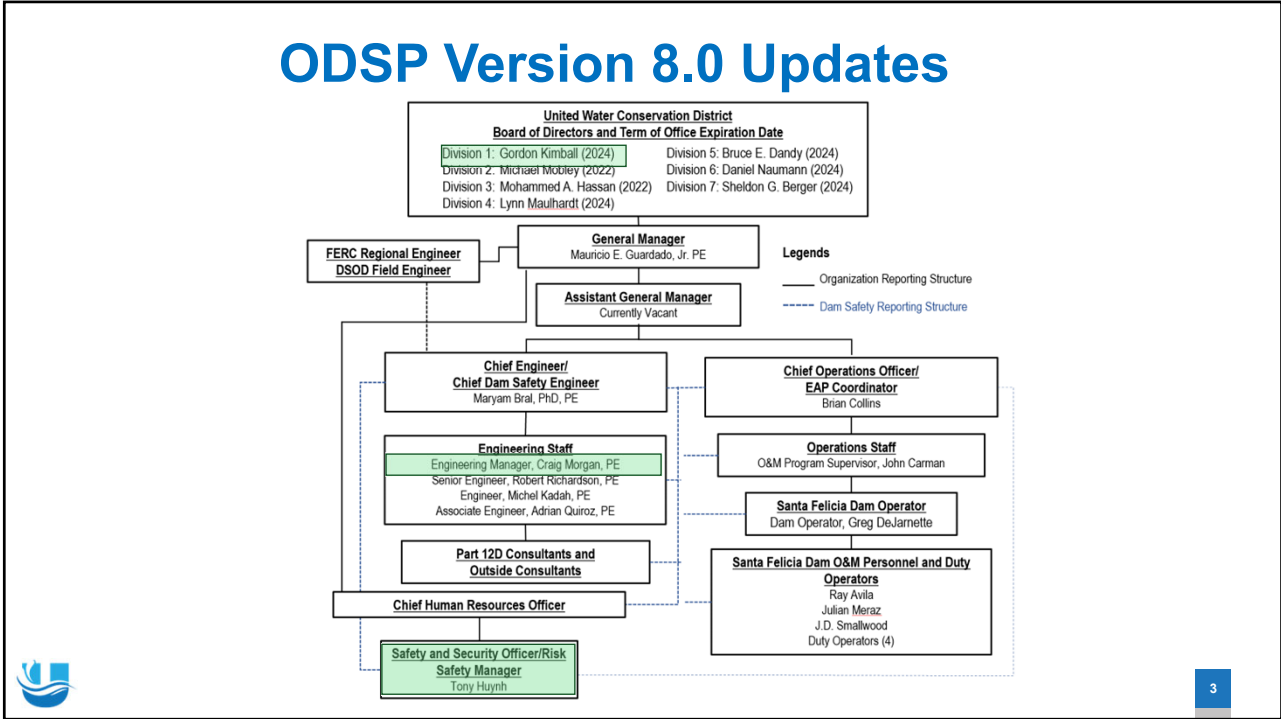
Owner Dam Safety Program (ODSP)

- ODSP is intended to ensure that Board of Directors, General Manager, District's employees, agents, and consultants have a complete understanding of, and a constant awareness of the need to fully comply with all necessary dam safety measures and requirements.
- Requires 5-year external audit
- FERC regulated document



2

2





ENGINEERING DEPARTMENT
UPDATE

 July 7, 2022



1

Santa Felicia Dam Safety Improvement Project

Design Work



- Design of 60% Outlet Works and 30% Spillway – Ongoing
- Staff review of 15 TMs prior to the due dates between July and August in preparation of the 6th BOC Meeting in September


Biological Assessment Report

- Staff is planning to submit the draft BA to FERC by end of July

WIFIA Loan Application (\$64M)

- Presentation to the WIFIA loan underwriter on June 22 to facilitate the loan application review by the WIFIA Program Team





2

Dam Safety and Regulatory Compliance

DSOD Dam Inspection

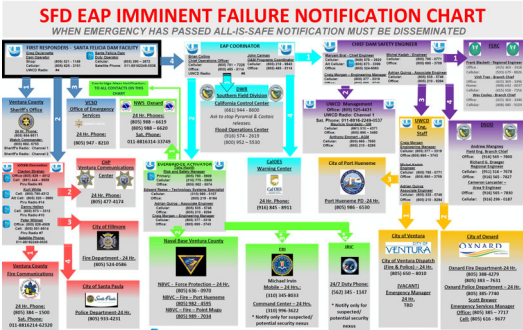
- ✓ successfully completed on June 23rd

Annual Call Down Drill

- ✓ Exercise successfully completed on June 28th

Preparation for Condor Point Construction

- ✓ Contractors Job walk on June 27th



Iron and Manganese Treatment Facility

- ✓ 236 of 298 Submittals Approved
- ✓ DCIP Grant – Qtrly Report submitted on June 30th
- ✓ Washwater Recovery Tank Slab Completed
- ✓ Filter Drain Sump completed
- ✓ 8” SL Drain completed
- ✓ Raw Water and Bypass Metering Vaults completed





Extraction Barrier and Brackish Water Treatment Project

Staff is preparing for the SWRCB Prop 1 R3 GWGP Implementation Grant Application by July 15.

- ❑ Request for Letters of Support
 - Farm Bureau
 - CoLAB
 - City of Port Hueneme
 - NBVC
- ❑ Meeting with DDW on June 22
- ❑ Meeting with RWQCB on June 30

Supervisor Carmen Ramirez was debriefed on the Project during her visit to Naval Base Ventura County on June 15th



5

PTP Recycled Water Connection – Laguna Road

- ❑ Coordination meeting with PVCWD and MKN on June 7
 - ✓ Discussed hydraulic analysis model for the two pipelines
 - ✓ Initiated preliminary discussions on an agreement between PV and United
- ❑ Proposed pipeline alignment plans are drafted
- ❑ New PT reservoir booster pump will be incorporated in the hydraulic modeling



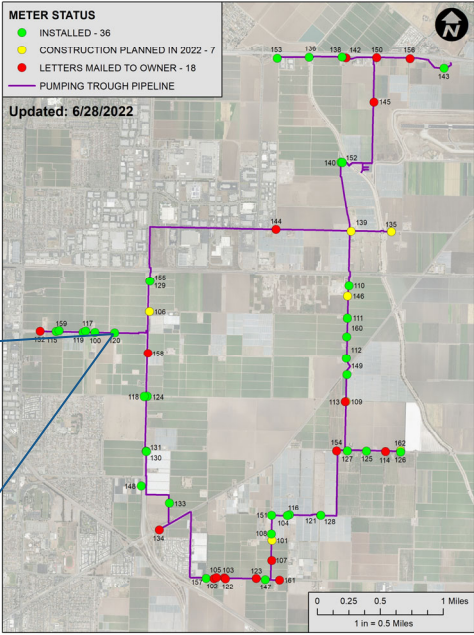

Laguna Rd Looking East



6

PTP Metering Improvement


- ❑ Total number of meters installed: 36 of 61 or 59.01% complete.
- ❑ Easement acquisition completion: 22 of 42 or 52.4% complete.
- ❑ 1st battery powered meter at turnout # 120 installed on June 7. Other sites with no power or solar panel will receive battery powered meters.
- ❑ Staff has requested DWR for a two-year extension for grant completion.





7

Public Outreach

- ❑ Presentation to the Fillmore and Piru Basins Pumpers Association on June 14
- ❑ Staff has been invited to present the SFD Safety Improvement Project to the Society of American Military Engineers on July 14



Santa Felicia Dam
Safety Improvement Project
Fillmore Basin and Piru Basin Pumpers Association Meeting
Maryam Bral, Ph.D., P.E., Chief Engineer
June 14, 2022



8

QUESTIONS



9



ENVIRONMENTAL SERVICES DEPARTMENT UPDATE

July 7, 2022



1

Department Summary Updates

- Freeman Sediment Management – Permit Extension
- CESA - Request for Incidental Take Coverage for Santa Felicia Project
- Pulsed Flow Study in Middle Piru Creek – Results
- Building Partnerships
 - Department of Water Resources
 - U.S. Fish and Wildlife Service
 - USGS



2



QUESTIONS



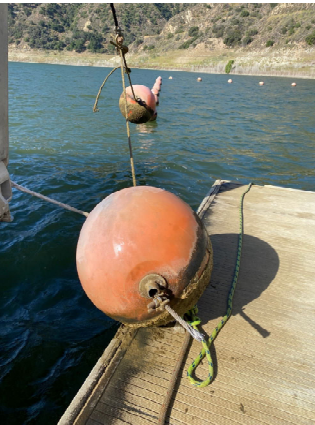
OPERATIONS AND MAINTENANCE DEPARTMENT UPDATE

July 7, 2022



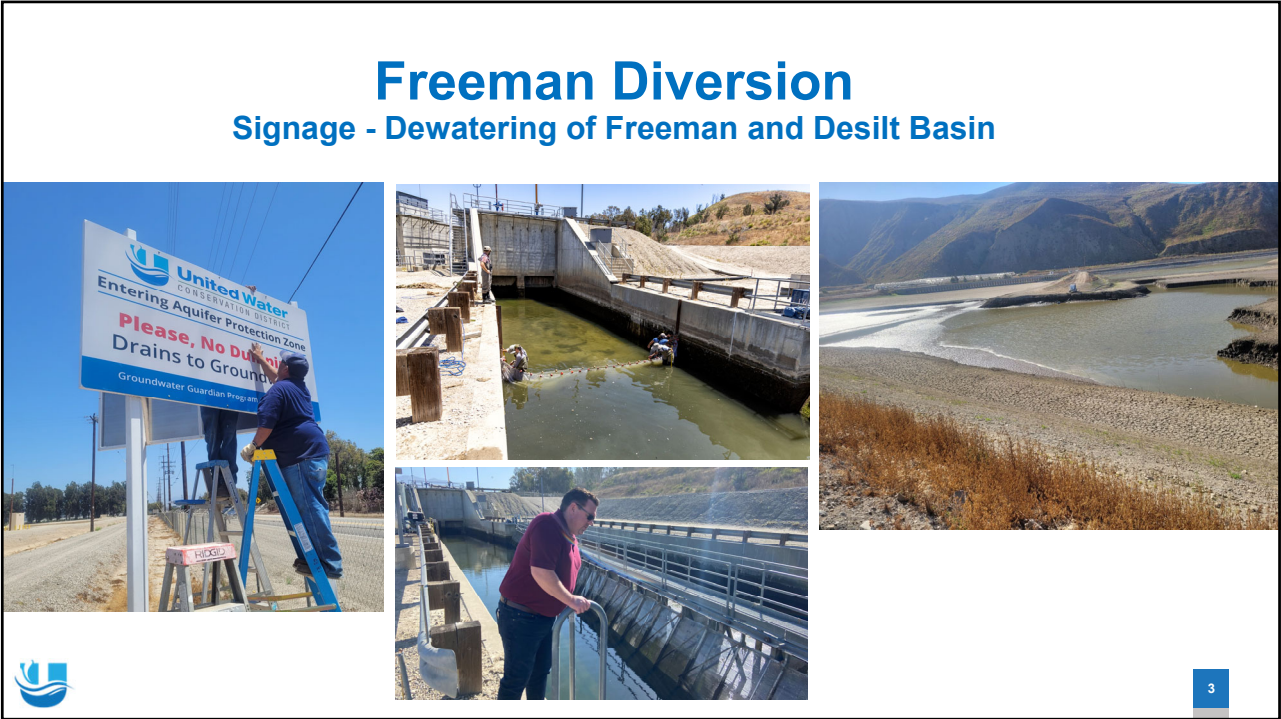
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Santa Felicia Dam DSOD Inspection - Buoy Repair - Lisk Ranch



2

2





5

Streamlined Approach

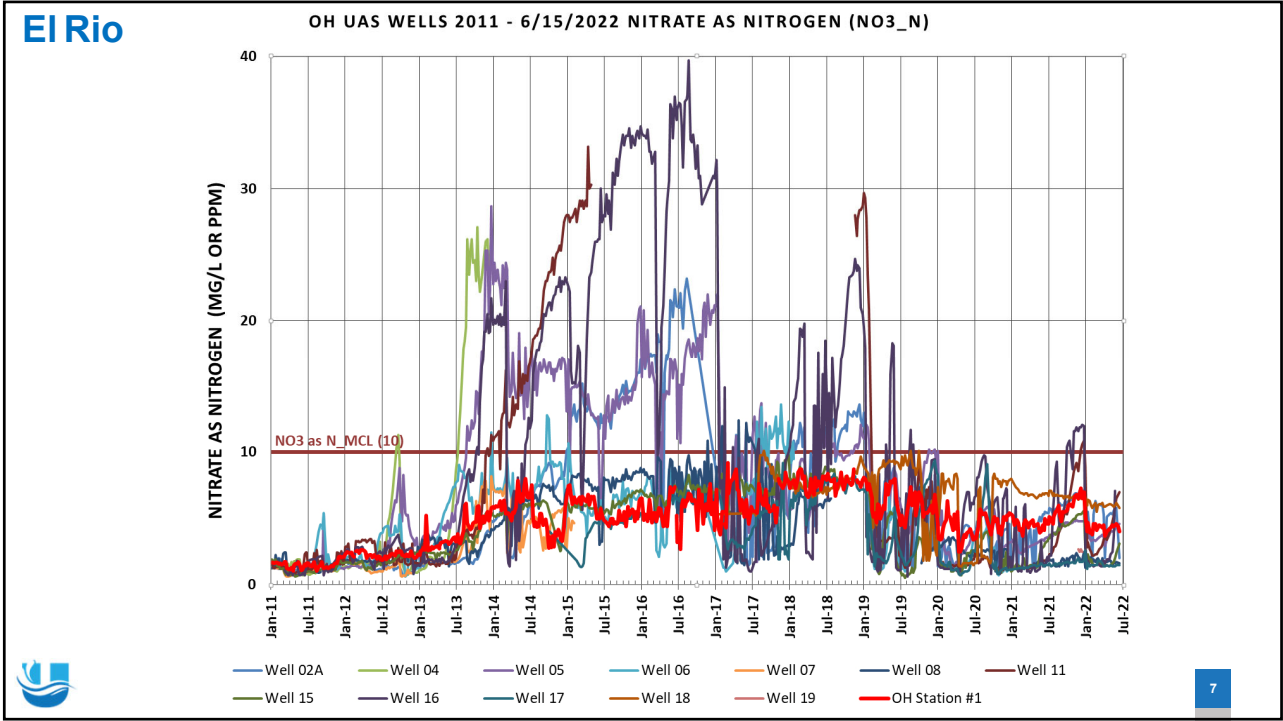
Project Strategy Shift – 2 Phases

Phase 1

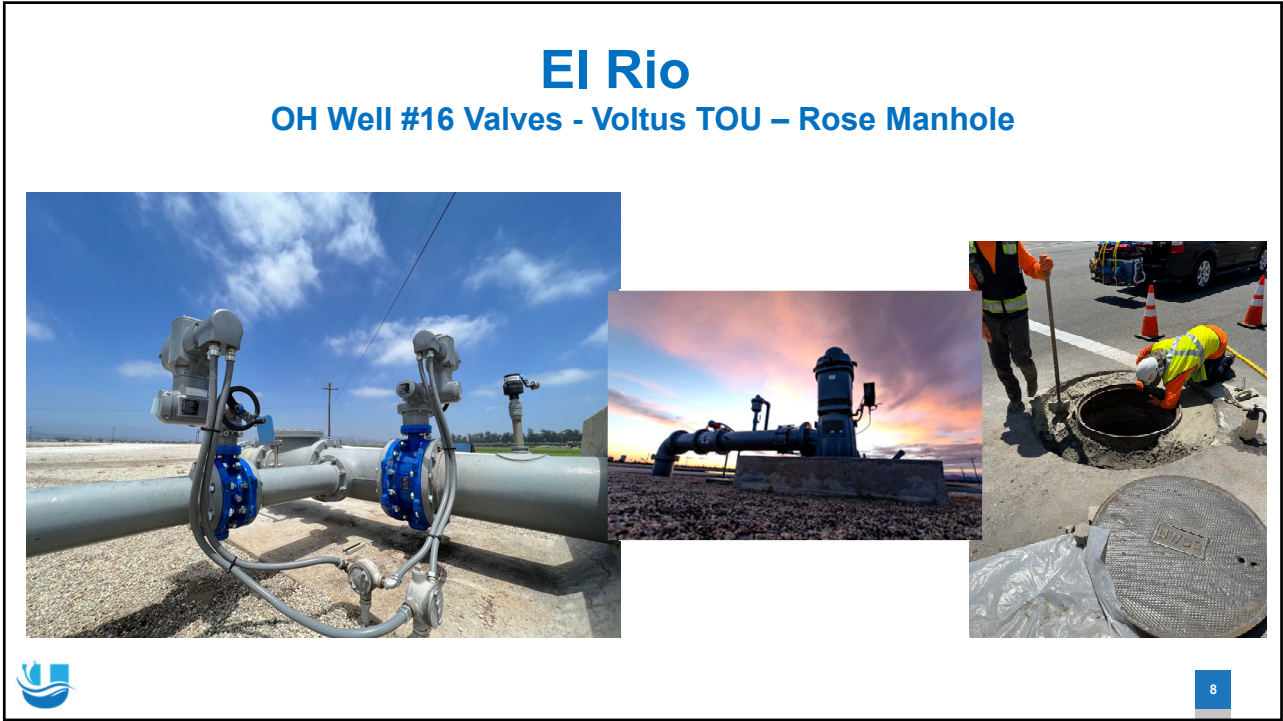
Take advantage of current dry conditions:

- Avoid water completely
- Reduce complexity of analysis
 - Single event

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Electrical and Instrumentation

Booster Plant Power Feed - PTP Meter



9

9

Physical Modeling



10

10



600 cfs vs. 300 cfs



IOWA
IIHR – HYDROSCIENCE & ENGINEERING

11

11



300 cfs vs. 150 cfs



IOWA
IIHR – HYDROSCIENCE & ENGINEERING

12

12

Questions?

