

AGENDA
WATER RESOURCES COMMITTEE
Monday, December 6, 2021 at 9 a.m.
UNITED WATER CONSERVATION DISTRICT
Boardroom, 1701 N. Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Committee are, as required by law, open to the public and the District has very limited powers to regulate who attends Committee meetings. Therefore, attendees must exercise their own judgement with respect to protecting themselves from exposure to COVID-19, as the District cannot ensure that all attendees at public meetings will be free from COVID-19.

In addition to its public Water Resources Committee Meeting, people may choose to participate virtually using the Zoom video conferencing application.

To participate in the Water Resources Committee Meeting via Zoom, please click on this link:

<https://us02web.zoom.us/j/85969825757?pwd=VWJCR2RremhvWjdreVptZ1RnMWljUT09>

Meeting ID: 859 6982 5757

Passcode: 20211206

Dial-in (audio only) 877 853 5247 US Toll-free

OPEN SESSION: 9:00a.m.

Committee Members roll call

1. Public Comment

The public may address the Water Resources Committee on any matter on the agenda or within the jurisdiction of the Committee. All comments are subject to a five-minute time limit.

2. Approval of Minutes - Motion

The Committee will review and consider approving the minutes from the Water Resources Committee meeting of October 5, 2021.

3. Water Resources Department Update (05 minutes: Mr. Detmer)

Staff is available to provide updates to the Committee on recent Water Resources Department activities and projects.

4. Groundwater Sustainability Agencies Update (10 minutes: Mr. Detmer)

The Committee will receive a presentation on GSA activities and schedules for the Fillmore and Piru Basins, Mound Basin and Fox Canyon Groundwater Management Agency (Oxnard, Pleasant Valley and Las Posas Valley basins).

5. Why Adjudication Lawsuits are *Unnecessary* (5 minutes: Mr. Detmer)

Several Water Sustainability Projects are being developed which will “fill the gap” between allocations and demand. The Extraction Barrier and Brackish Water Treatment Project, detailed in the public workshop immediately following this Committee meeting, will provide additional water resources that will support current land use activities and facilitate future sustainability.

FUTURE AGENDA ITEMS



ADJOURNMENT

Committee Members:

Edwin T. McFadden III, Chair

Lynn E. Maulhardt

Daniel C. Naumann

Staff:

Mauricio E. Guardado, Jr., General Manager

Maryam Bral, Chief Engineer

Dan Detmer, Water Resources Manager

Eric Elliott, Associate Hydrogeologist

Dr. Zachary Hanson, Hydrogeologist

Kathleen Kuepper, Hydrogeologist

John Lindquist, Senior Hydrogeologist

Murray McEachron, Principal Hydrologist

Dr. Bram Sercu, Senior Hydrologist

Dr. Jason Sun, Principal Hydrogeologist/Modeler

The Americans with Disabilities Act provides that no qualified individual with a disability shall be excluded from participating in, or denied the benefits of, the District's services, programs or activities because of any disability. If you need special assistance to participate in this meeting, or if you require agenda material in an alternative format, please contact the District's offices at (805) 525-4431. Notification of at least 48 hours prior to the meeting will enable the District to make appropriate arrangements.

Approved: _____

Mauricio E. Guardado, General Manager

Dr. Maryam Bral, Chief Engineer

Posted (Date): November 23, 2021

(time) 11 am

(attest) *Eva Ibarra*

At: UWCD Headquarters, 1701 N. Lombard Street, Oxnard, CA 93030

Posted (Date): November 23, 2021

(time) 11:15am

(attest) *Eva Ibarra*

At: www.unitedwater.org



**UWCD Extraction Barrier and Brackish Water Treatment Project
Basin Impact and Benefits Assessment
Public Workshop**

Monday, December 6, 2021 at 9:30 a.m. (estimated start time)

UNITED WATER CONSERVATION DISTRICT

Boardroom, 1701 N. Lombard Street, Oxnard CA 93030

Meeting attendees should be aware that the meetings of the Committee are, as required by law, open to the public and the District has very limited powers to regulate who attends Committee meetings. Therefore, attendees must exercise their own judgement with respect to protecting themselves from exposure to COVID-19, as the District cannot ensure that all attendees at public meetings will be free from COVID-19.

People may choose to participate virtually using the Zoom video conferencing application.

To participate in the Prop 1 Planning Grant Public Workshop via Zoom, please click on this link:

<https://us02web.zoom.us/j/85969825757?pwd=VWJCR2RremhvWjdreVptZlRnMWljUT09>

Meeting ID: 859 6982 5757

Passcode: 20211206

Dial-in (audio only) 877 853 5247 US Toll-free

[please note: this is the same link used for the UWCD Water Resources Committee meeting –
If you were online for the Committee meeting, you do not need to re-enter the meeting]

1. **Welcome (5 minutes)**
UWCD staff will introduce the Extraction Barrier and Brackish Water Treatment Project, which will provide additional water resources that will support current land use activities and facilitate future sustainability, as demonstrated through the feasibility study supported by the Prop 1 Grant*.
2. **Explanation of United's Prop 1 Round 2 Planning Grant (5 minutes: Mr. Detmer)**
Brief introduction to the grant program and United's Grant.
3. **Background information, basin overdraft and seawater intrusion (10 minutes: Mr. Detmer)**
History of overdraft and seawater intrusion in the Oxnard basin, projects and managements actions to address the problem, Fox Canyon Groundwater Management Agency's Oxnard Basin Groundwater Sustainability Plan recently approved by CA Department of Water Resources.
4. **Extraction barrier concept and project design (10 minutes: Mr. Detmer)**
Description of extraction barrier project design and objectives.
5. **Project site geology (10 minutes: Mr. Elliot)**
Aquifers in the Project area, refined mapping of Oxnard aquifer confinement in the Project area.
6. **Groundwater flow model development and calibration (20 minutes: Dr. Sun)**
Conversion of United's Coastal Plain Model to MODFLOW-USG-TRANSPORT, allowing simulation of seawater density and solute transport (chloride).
7. **Results of Project Modeling (20 minutes: Dr Sun)**
Presentation of result of project pumping simulations, at various project scales, including simulated chloride concentrations in the Oxnard and Mugu aquifers, water level changes in the greater project area, characterization of vertical flow between aquifers.
8. **Public forum and discussion (40 minutes)**
Open forum for comment and questions related to the project.

*Funding for this project has been provided in full or in part by Proposition 1 – the Water Quality, Supply, and Infrastructure Improvement Act of 2014 through an agreement with the State Water Resources Control Board. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

MINUTES
WATER RESOURCES COMMITTEE
Tuesday, October 5, 2021, at 9 a.m.
UNITED WATER CONSERVATION DISTRICT
Boardroom, 1701 N. Lombard Street, Oxnard CA 93030

Committee Members Present:

Chair Edwin McFadden
Director Naumann
Director Maulhardt

Staff Present:

Anthony Emmert, assistant general manager
Dr. Maryam Bral, chief engineer
Dan Detmer, water resources manager
Dr. Zachary Hanson, hydrogeologist
Kathleen Kuepper, hydrogeologist
John Lindquist, senior hydrogeologist
Zachary Plummer, IT administrator
Dr. Bram Sercu, senior hydrologist
Dr. Jason Sun, principal hydrogeologist/modeler
Eric Elliott, associate hydrogeologist
Josh Perez, human resources manager

Public Present:

Heidi Gonzales
Burt Handy
Jennifer Tribo

OPEN SESSION: 9:00 a.m.

Chair McFadden called the Water Resources Committee Meeting to order at 9:00 a.m.

1. Public Comment

Chair McFadden asked if there were any public comments for the Water Resources Committee. None were offered.

2. Approval of Minutes - Motion

Motion to approve the August 31, 2021, Water Resources Committee meeting minutes, Director Maulhardt; Second, Director Naumann. Voice vote: three ayes (McFadden, Maulhardt and Naumann); none opposed; motion carries 3/0.



3. **Seawater Intrusion Update 2020**

Hydrogeologist Kathleen Kuepper provided updates and slides (see attached) on current seawater intrusion in the Oxnard basin. Ms. Kuepper stated that a seawater intrusion report was last published in 2016. While presenting a slide on reported groundwater usage in 2020, Director Naumann pointed out the wells reporting pumping 1,000 AF or above and asked if it was safe to assume those are M&I wells. Ms. Kuepper agreed with Director Naumann and stated that wells pumping over 1,000 AF were likely M&I wells.

Director Naumann inquired about climate cycles. Senior Hydrogeologist John Lindquist stated that there are cycles of wet and dry periods related to the Pacific Decadal Oscillation.

Ms. Kuepper presented the 2020 maximum chloride levels in monitoring wells along the coast for each aquifer, starting with the Oxnard Aquifer and moving down to the Grimes Canyon aquifer. Director McFadden asked about the varying chloride levels, for example why the chloride levels of CM5-220 are so low and the chloride levels in CM7-110 are so high. Water Resources Manager, Dan Detmer stated that the chloride level over 29,000 mg/l in CM7-110 is much higher than the seawater and that the high salinity is thought to be caused by brines at that location. He added, well CM1A-220 at the coast near Mugu Lagoon has about 16,000 mg/l chloride, nearing that of seawater. It was stated that the predominant groundwater flow inland of Port Hueneme during wetter periods is to the southeast and down the coast towards Mugu Lagoon. Also, the Hueneme and Mugu submarine canyons were pointed out as major features that influence the seawater intrusion on the Oxnard plain by providing a short flow path to inland aquifers.

Time series and trends of chloride concentrations were presented for select wells in each aquifer. Ms. Kuepper stated changes in chloride levels can be caused by a seawater plume moving down the coast or caused by brines at certain locations. Mr. Detmer also stated that vertical movement of groundwater is occurring much more than we used to suspect. He added that the new groundwater flow model will help with our understanding of vertical groundwater flow and the movements of saline water.

Director Naumann inquired about the depth the Grimes Canyon aquifer and Ms. Kuepper responded that it has an approximate depth of 1,800 feet. She added that the Grimes Canyon aquifer is not mapped in the northern Oxnard plain and showed that there were no monitoring wells screened in the Grimes Canyon aquifer near Port Hueneme. It was also stated and shown that the Hueneme aquifer is not mapped in the southern part of the Oxnard basin near Mugu Lagoon, where the unit has been uplifted and eroded away.

Director Maulhardt asked if staff is communicating when trends are observed. He stated that the information presented and trends that are observed needs to be available, especially for those responsible for managing water or pumping in the basin. Mr. Detmer stated that Grimes Canyon is the least responsive to recharge and added that staff is preparing this material for publication and will incorporate his suggestions into the report.

Director Naumann asked how large production from the Grimes Canyon aquifer is in comparison to others. Mr. Detmer stated he believes it is mapped from about 200-400 feet thick but staff does not know if any wells are producing solely from that aquifer and it is a bit of a data gap. The proposed coastal brackish extraction barrier and treatment plant, located near Mugu Lagoon, was



briefly discussed. Chief Engineer Maryam Bral confirmed the project is planning to pump and treat groundwater from the Oxnard and Mugu aquifers.

4. Update on Water Supply and Demand Trends in the OPV Basins

Mr. Lindquist provided an update (see attached presentation) on Water Supply and Demand Trends in the Oxnard and Pleasant Valley (OPV) basins, based on data presented in the FCGMA's Groundwater Sustainability Plans (GSPs) and Annual GSP Update reports. A key conclusion of the presentation was that water demand, including use by both the municipal and industrial (M&I) and agricultural sectors, has declined a total of 25 to 30% from 2008 to 2020, when normalized for variability in rainfall. The committee members noted that it would be interesting to look at water use trends by city.

5. Operations of the Hardened Ramp with Mod 6 and Mod 9 Designs

Murray McEachron presented updates and slides (see attached) on design and operation considerations for the Mod 6 and Mod 9 designs for the Freeman Diversion and hardened ramp fish passage structure. Director Maulhardt stated that he is pleased to hear about the computer and physical modeling and requested that staff inform the Board on how they can be helpful in applying pressure to get the message that some potential designs are problematic out to elected officials. He added that the problem is bigger than just the riverbed and designs have an impact on the river both upstream and downstream.

6. Water Resources Department Update

Mr. Detmer provided a verbal update to the Committee regarding Water Resources Department activities for the previous month. He stated that staff has been working hard on the coastal groundwater modeling and model conversion for solute transport modeling. Mr. Detmer also stated that staff delivered a Technical Memo on our daily surface water routing model that FCGMA staff had requested and our work on basin optimization modeling continues. Mr. Detmer then provided updates on the recent Prop 1 Grant Technical Advisory Committee meeting and stated that staff are now ready to run various model scenarios to see how much water can be pumped and from where.

7. Groundwater Sustainability Agencies Update

Mr. Detmer provided a verbal update to the Committee regarding the activities of the various GSAs within United's service area, and activities related to Santa Paula basin management.

FUTURE AGENDA ITEMS

None were suggested.

ADJOURNMENT

Chair McFadden adjourned the meeting at 11:28 am.

I certify that the above is a true and correct copy of the Minutes of the UWCD Water Resources Committee Meeting of October 5, 2021.

Chair Edwin McFadden



Legal Counsel
David D. Boyer



Saline Water Intrusion Update 2020

Presented by Kathleen Kuepper, PG
Water Resources Committee Meeting
October 5, 2021



1

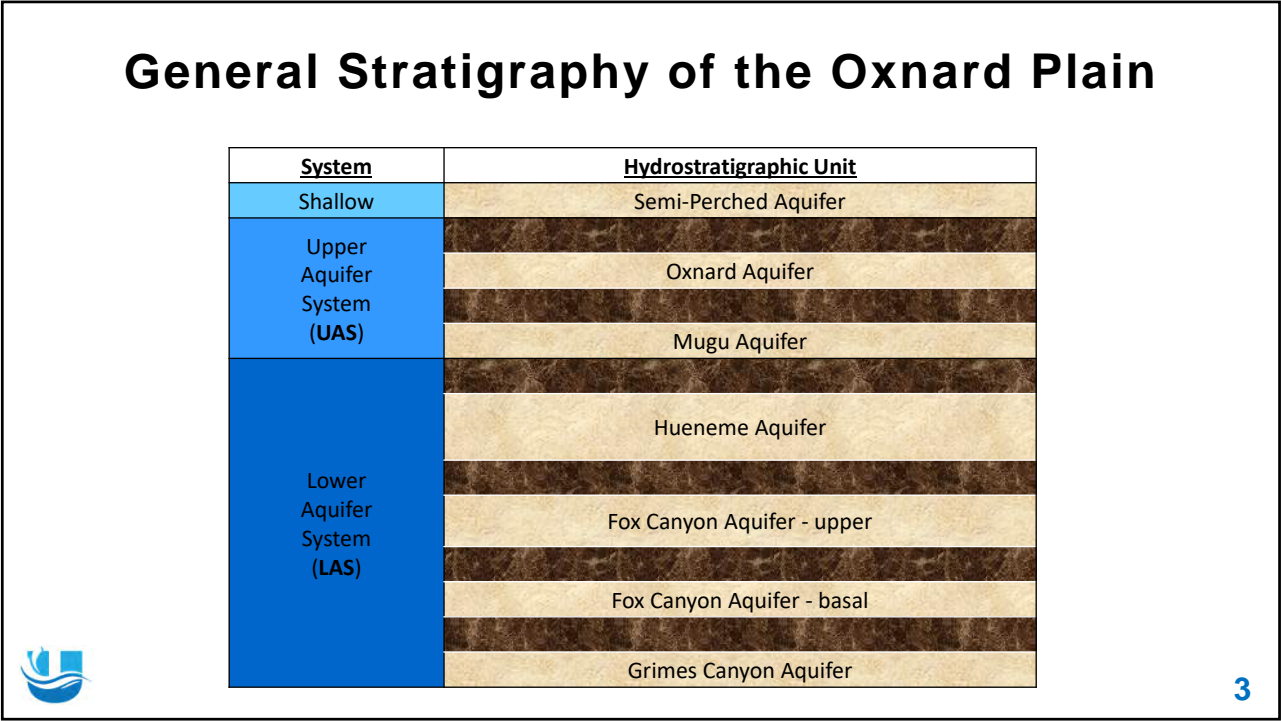
Outline

1. General Stratigraphy of the Oxnard Plain
2. Reported Groundwater Usage
3. Groundwater Elevations
4. Chloride Levels
5. Saline Water Sources

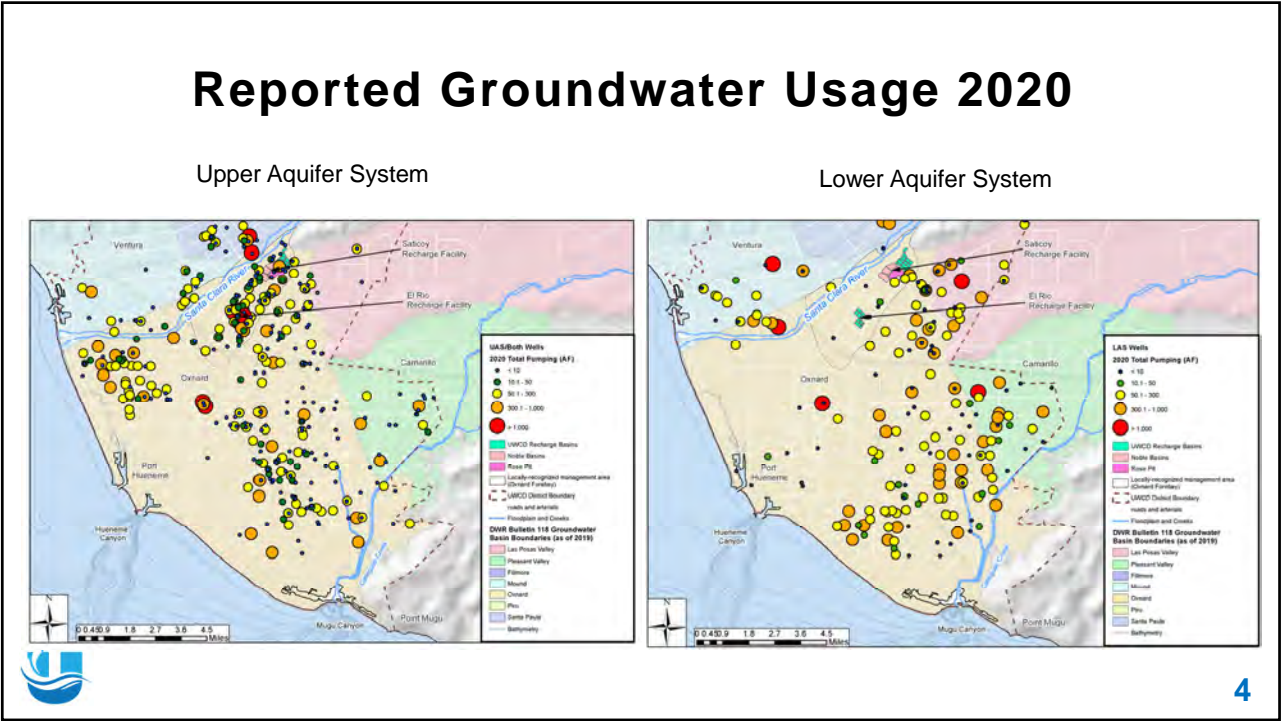


2

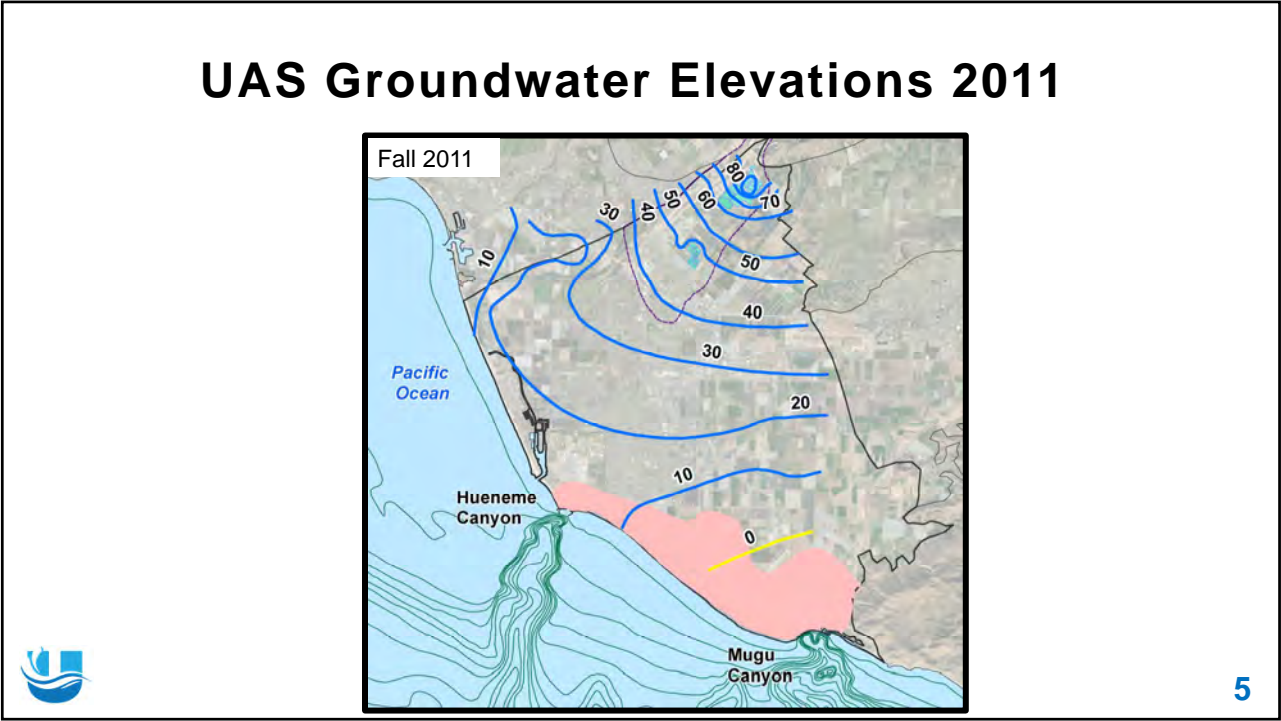
2



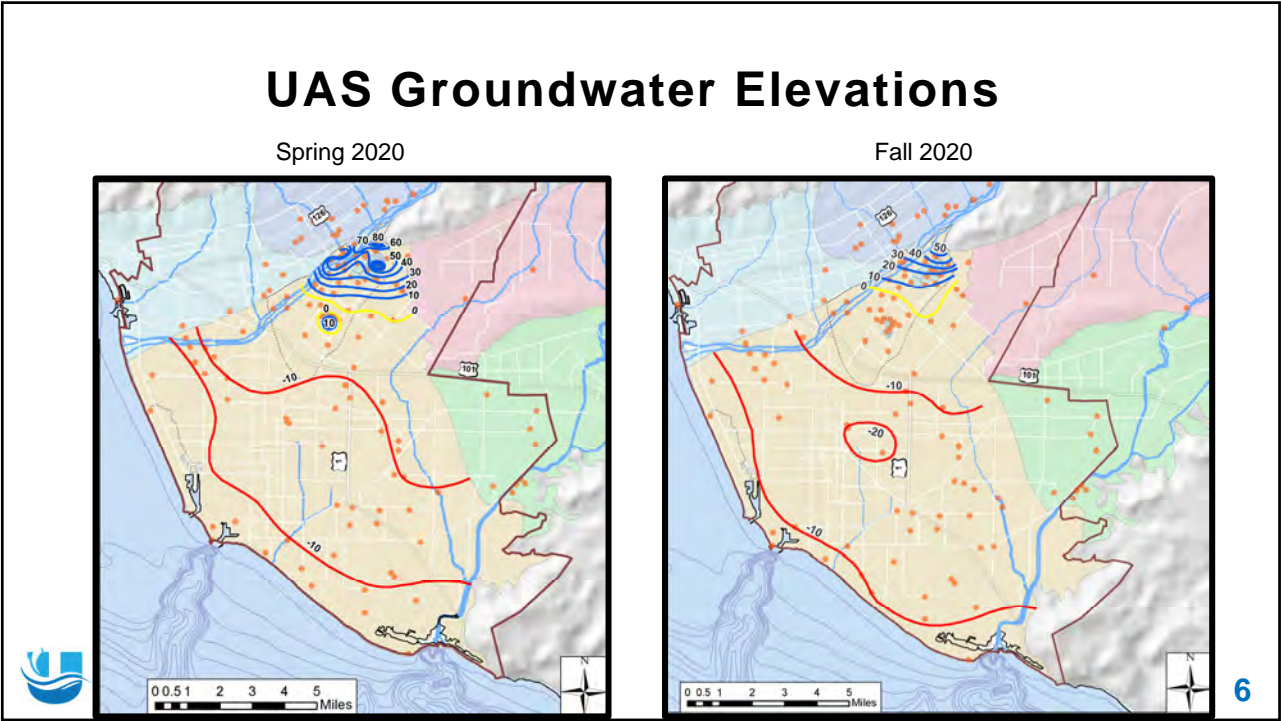
3



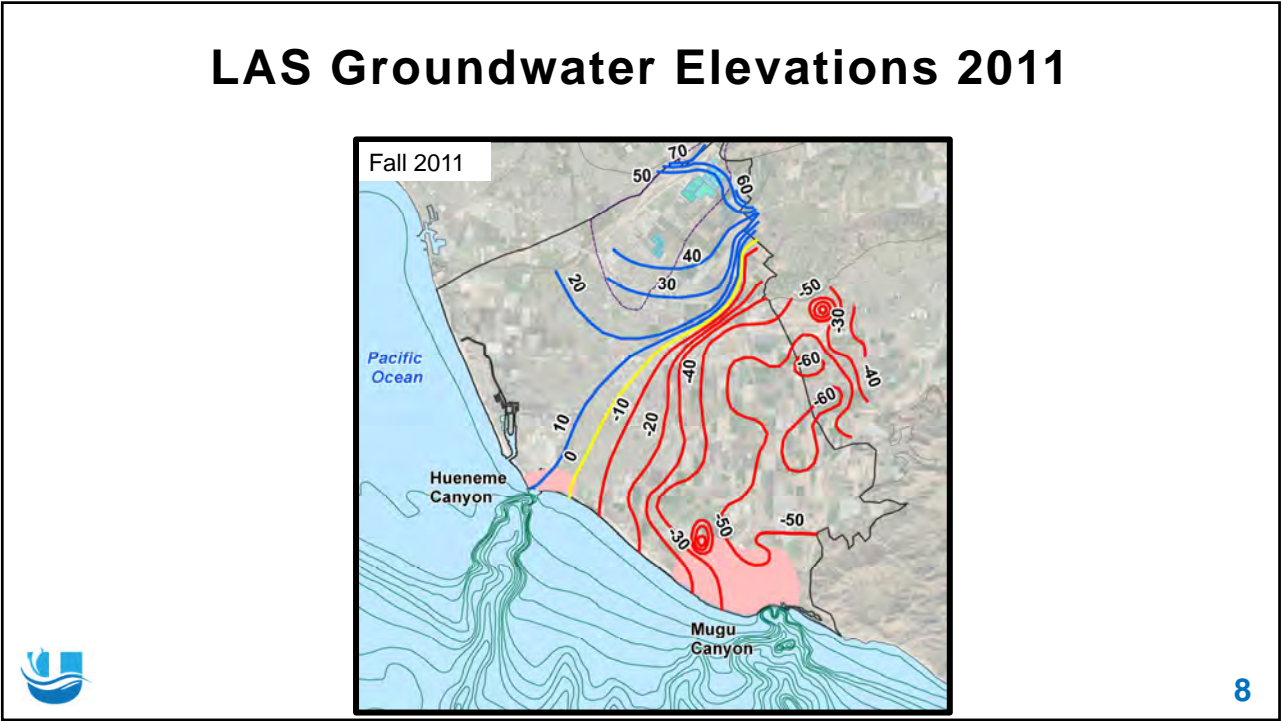
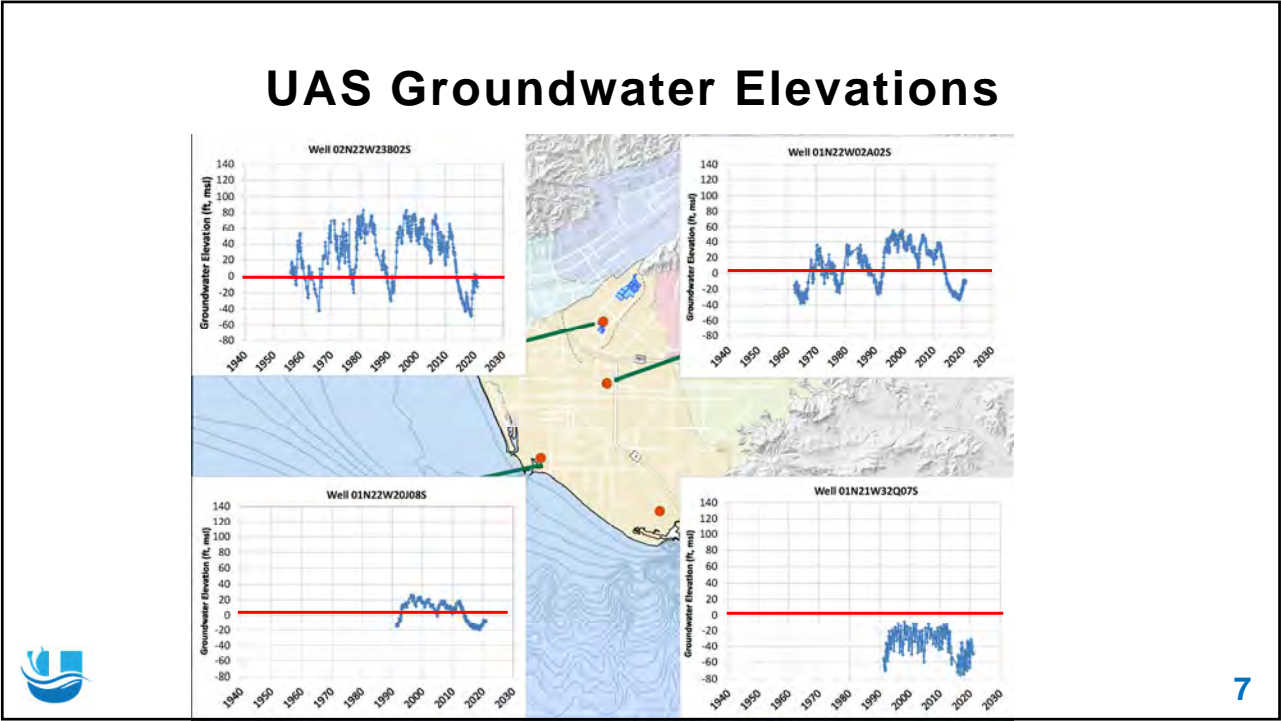
4

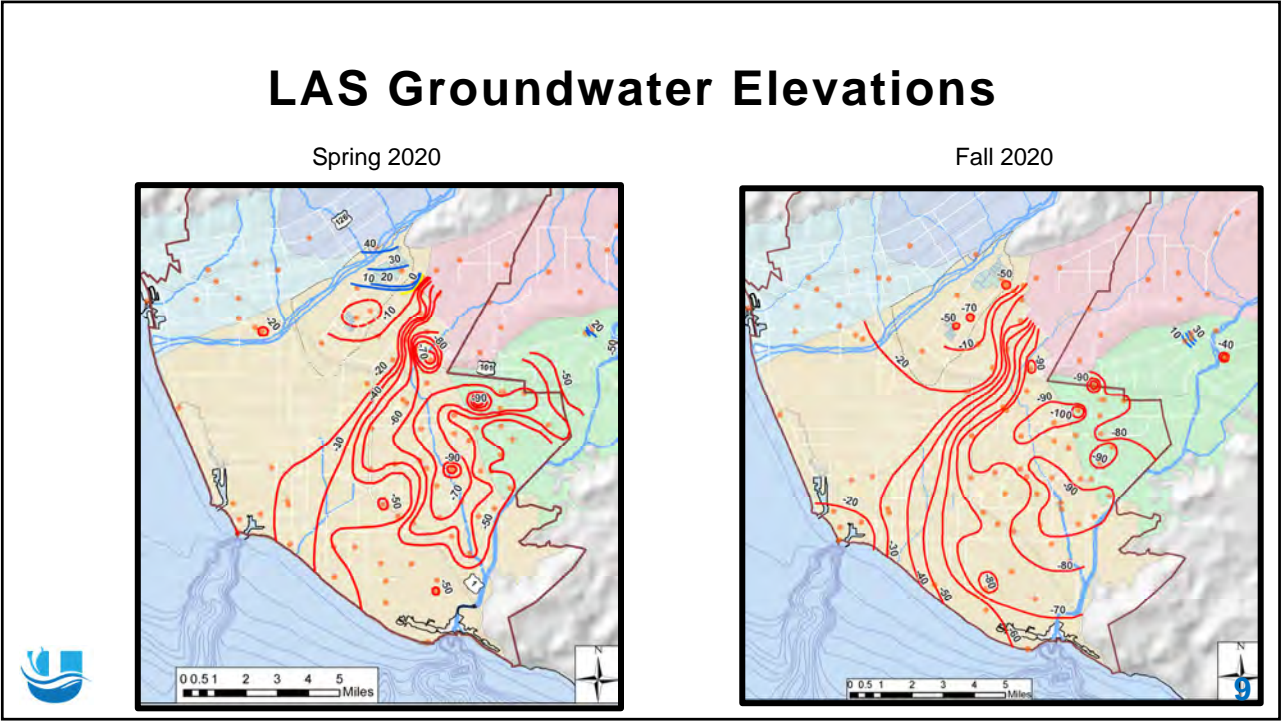


5

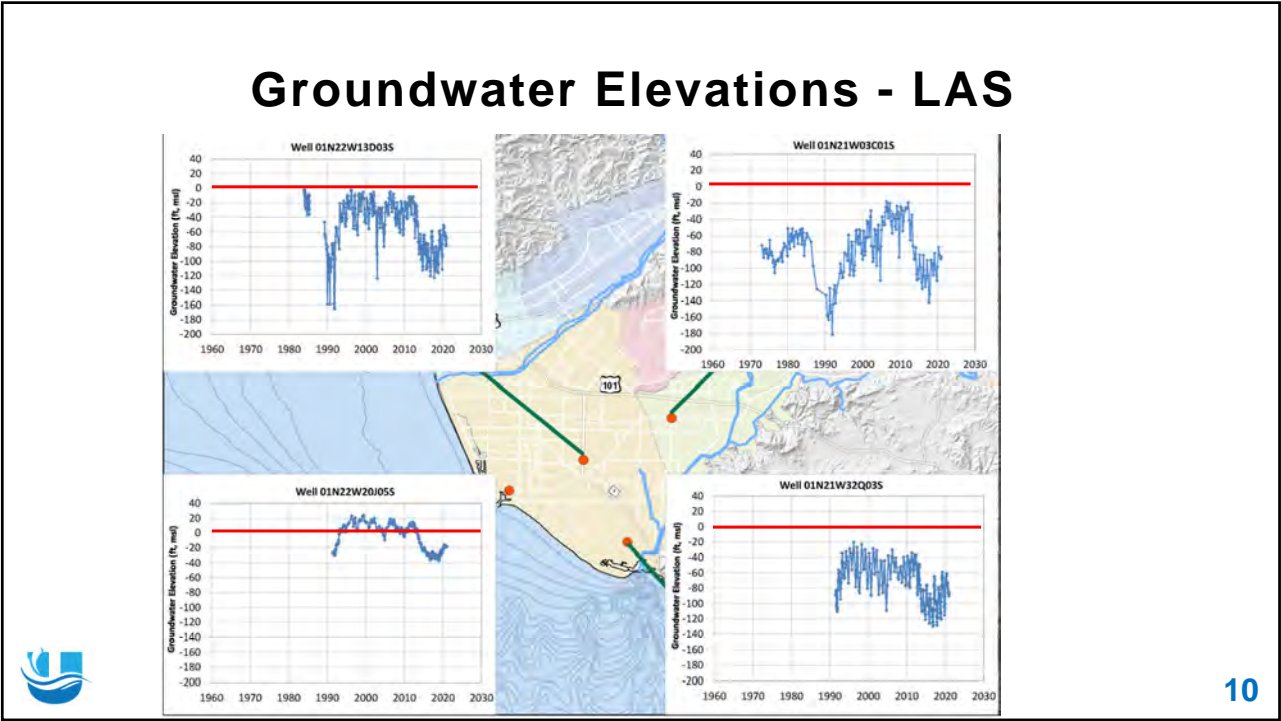


6

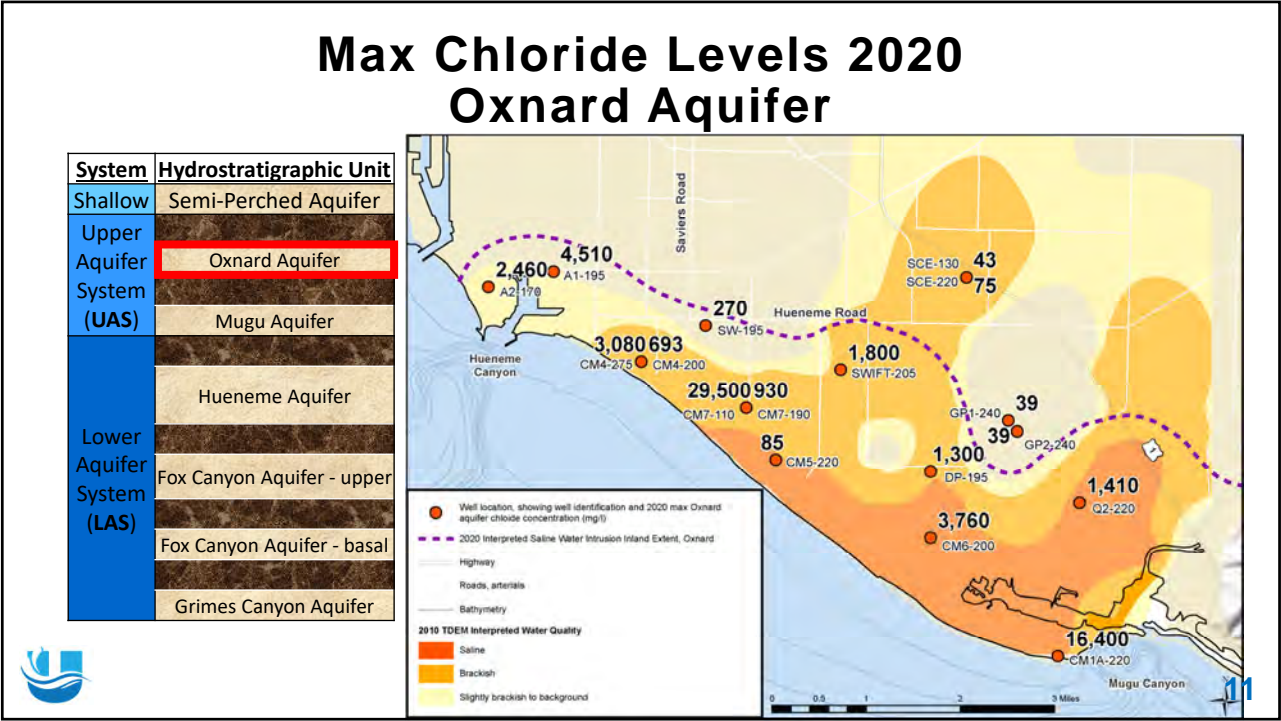




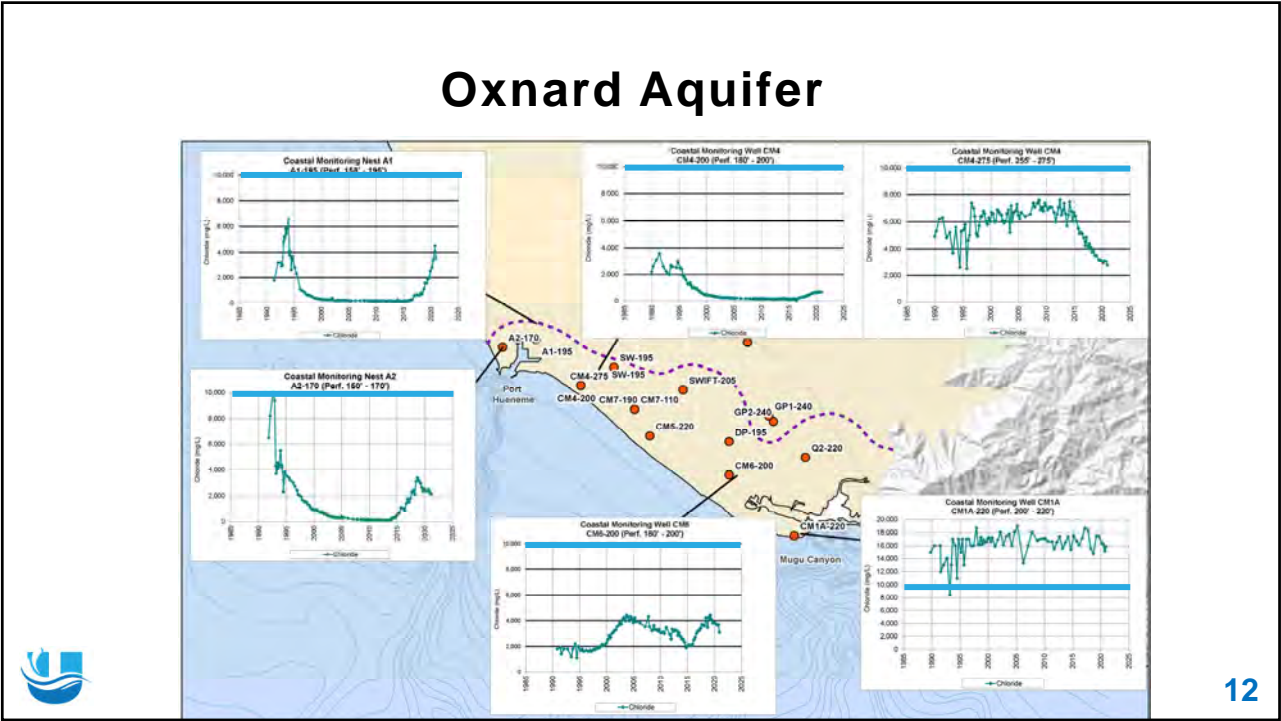
9



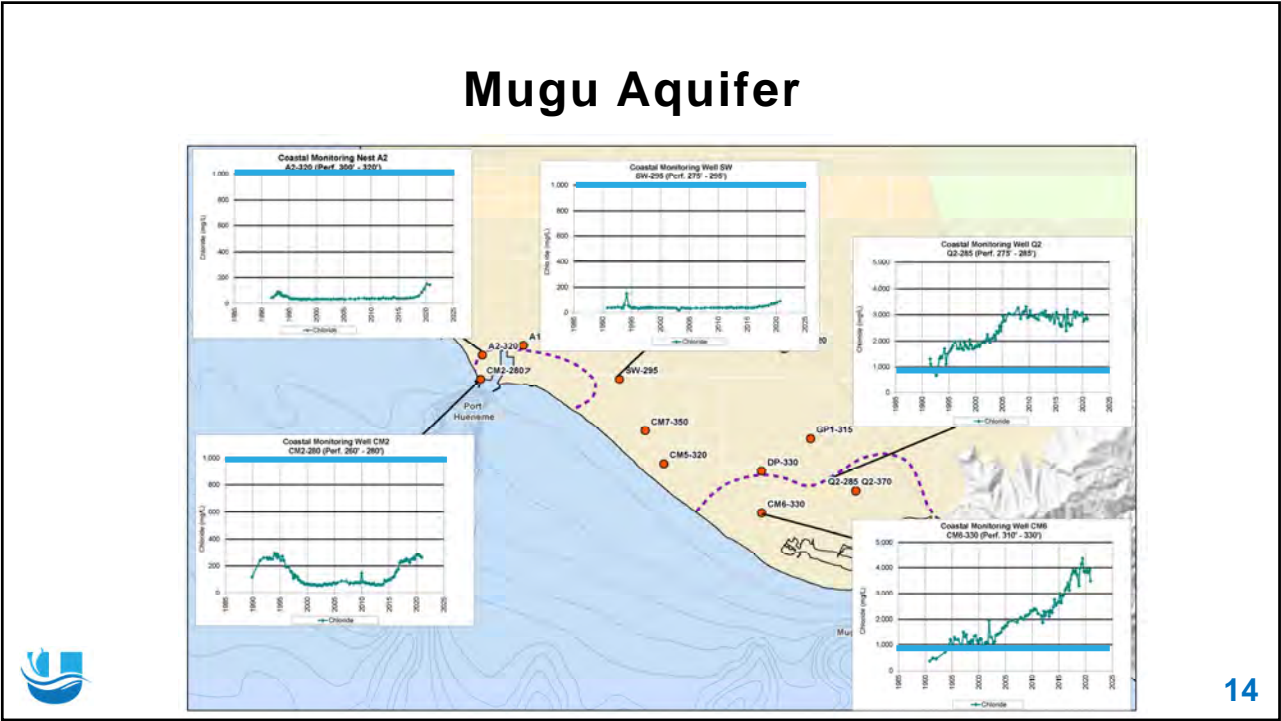
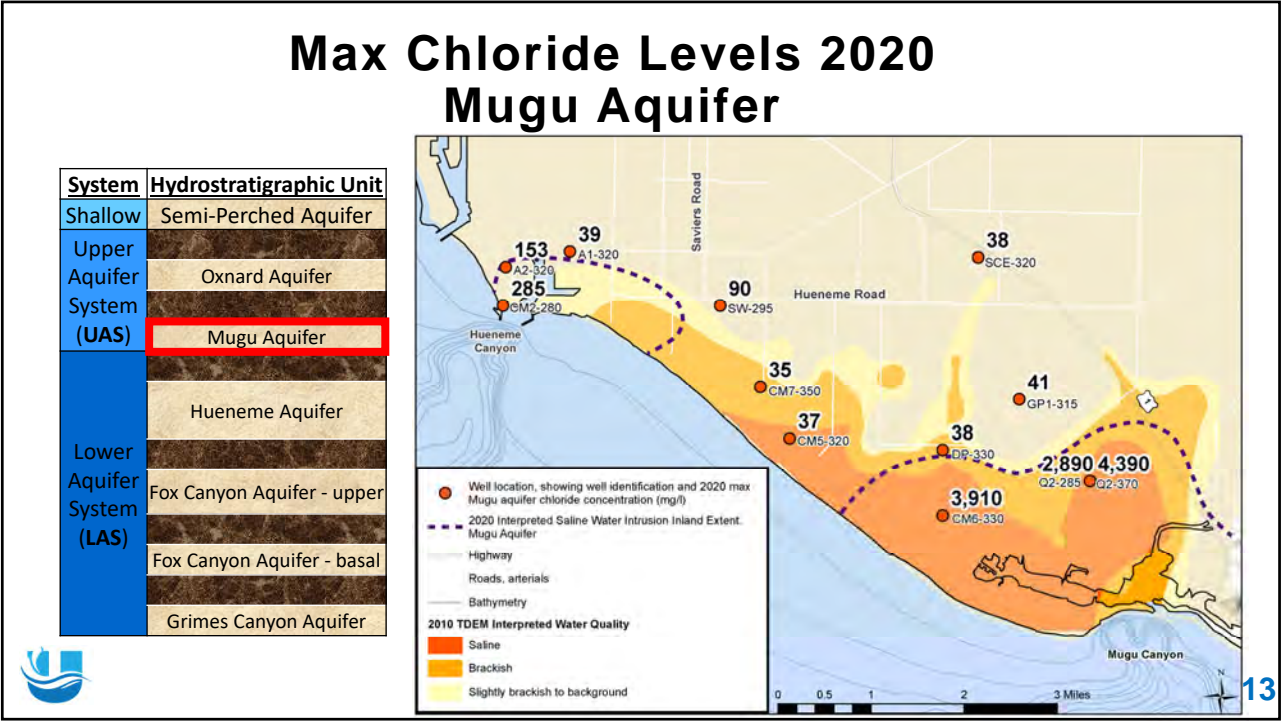
10

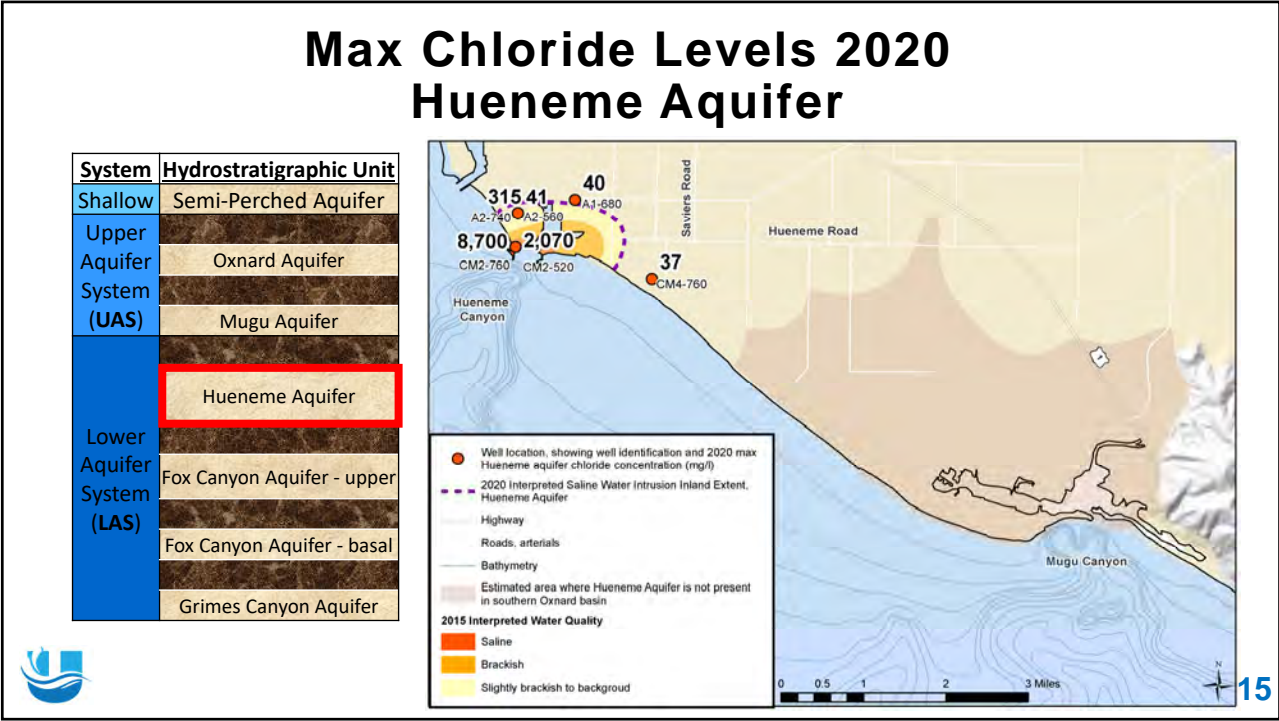


11

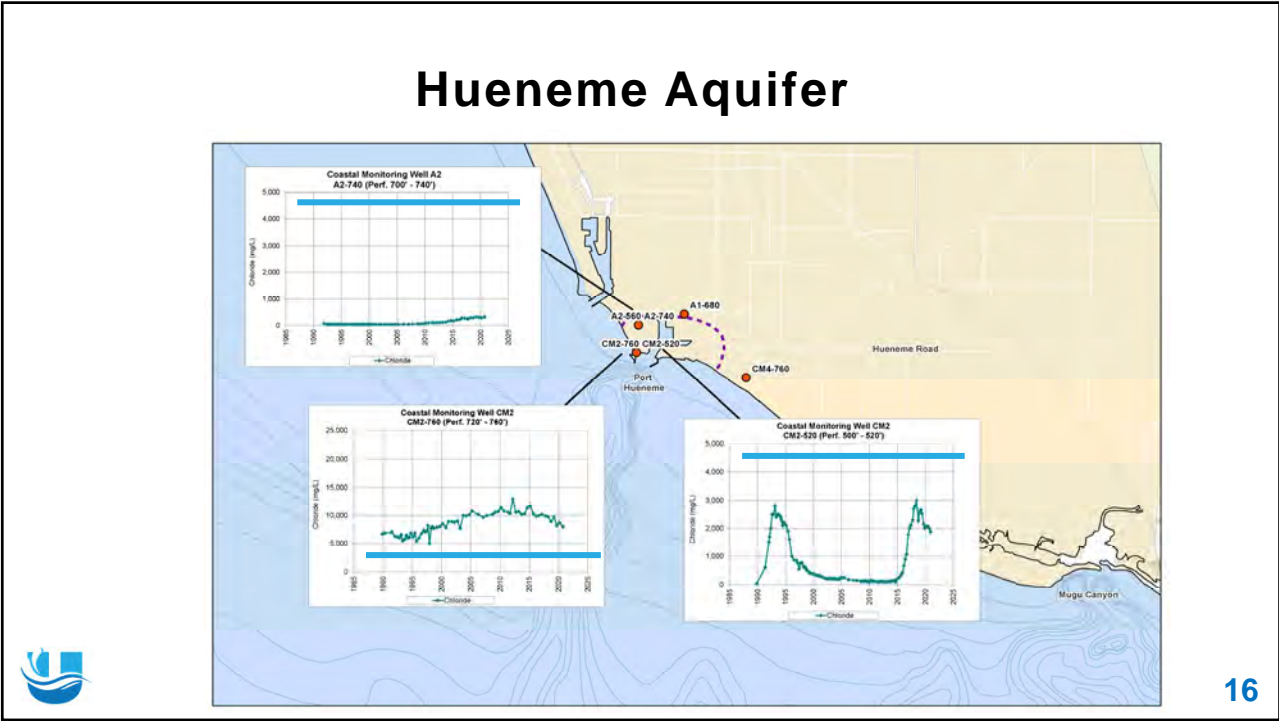


12

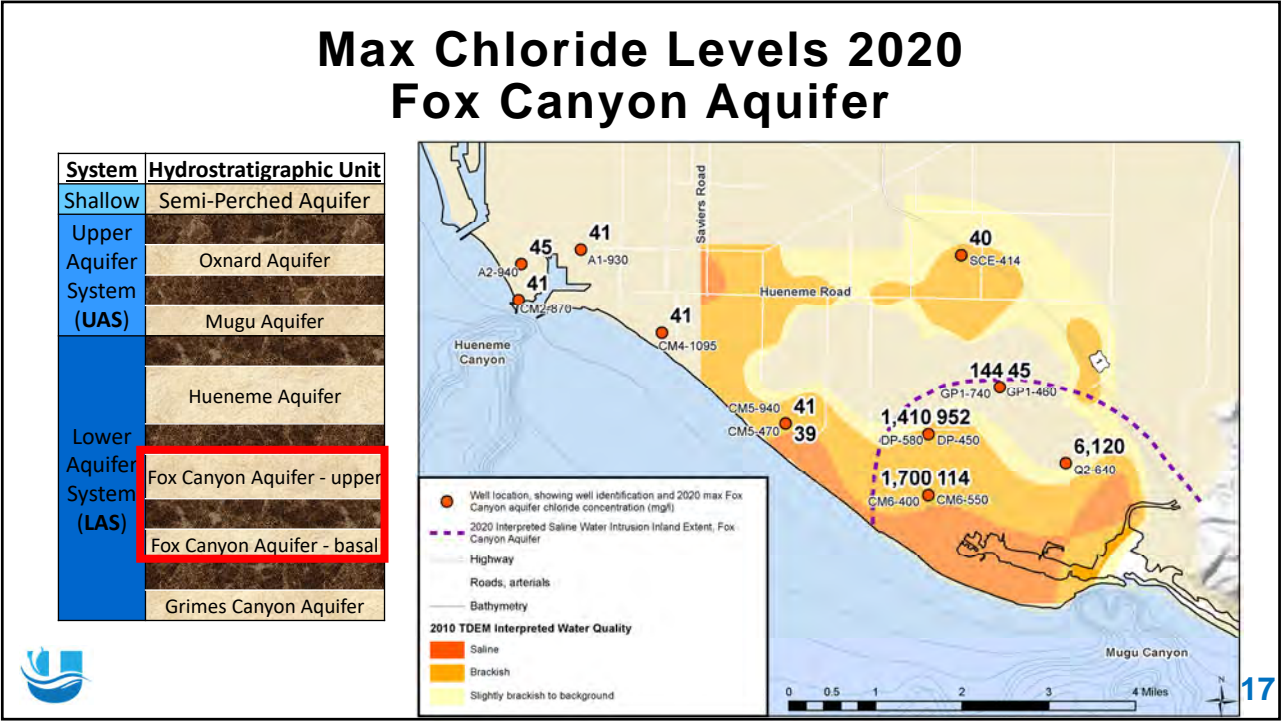




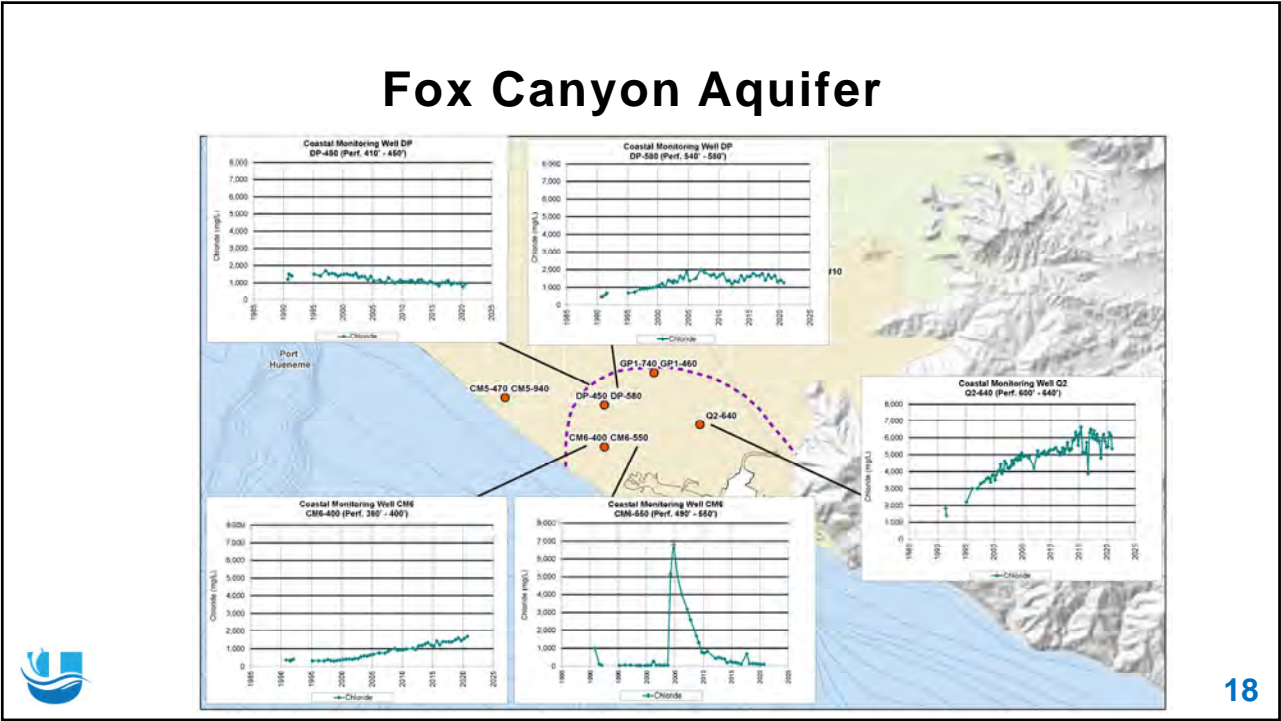
15



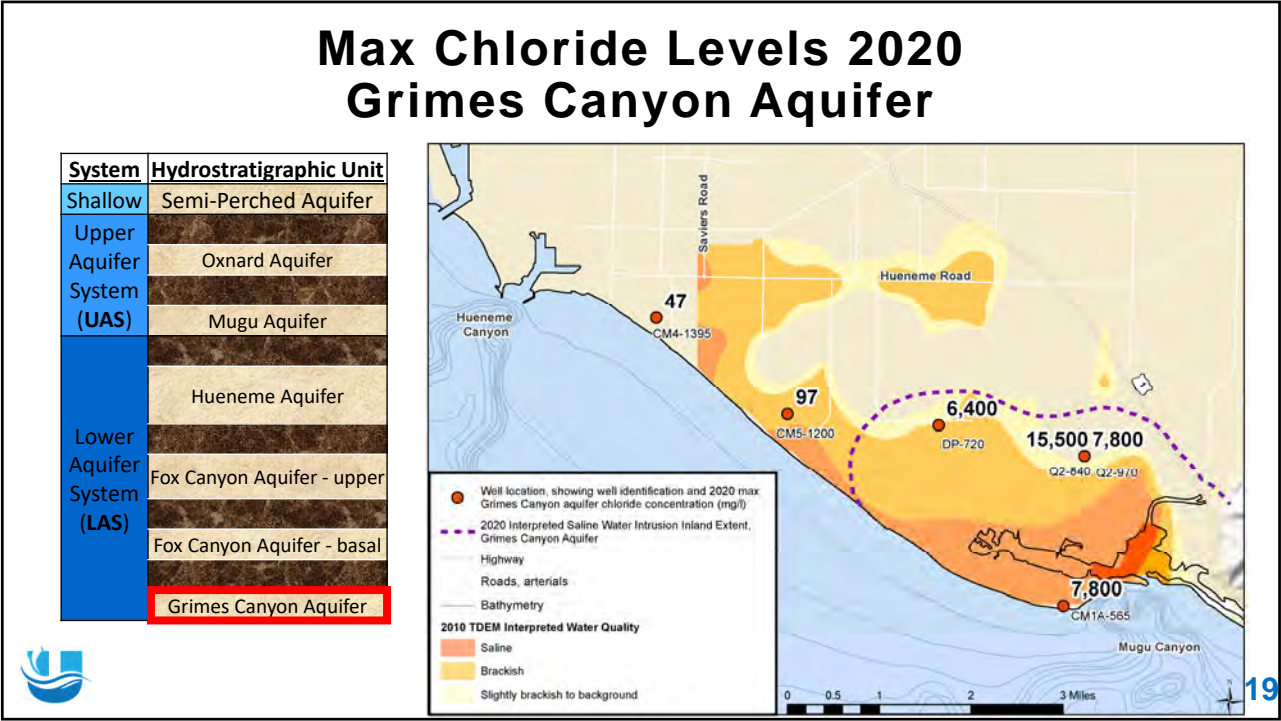
16



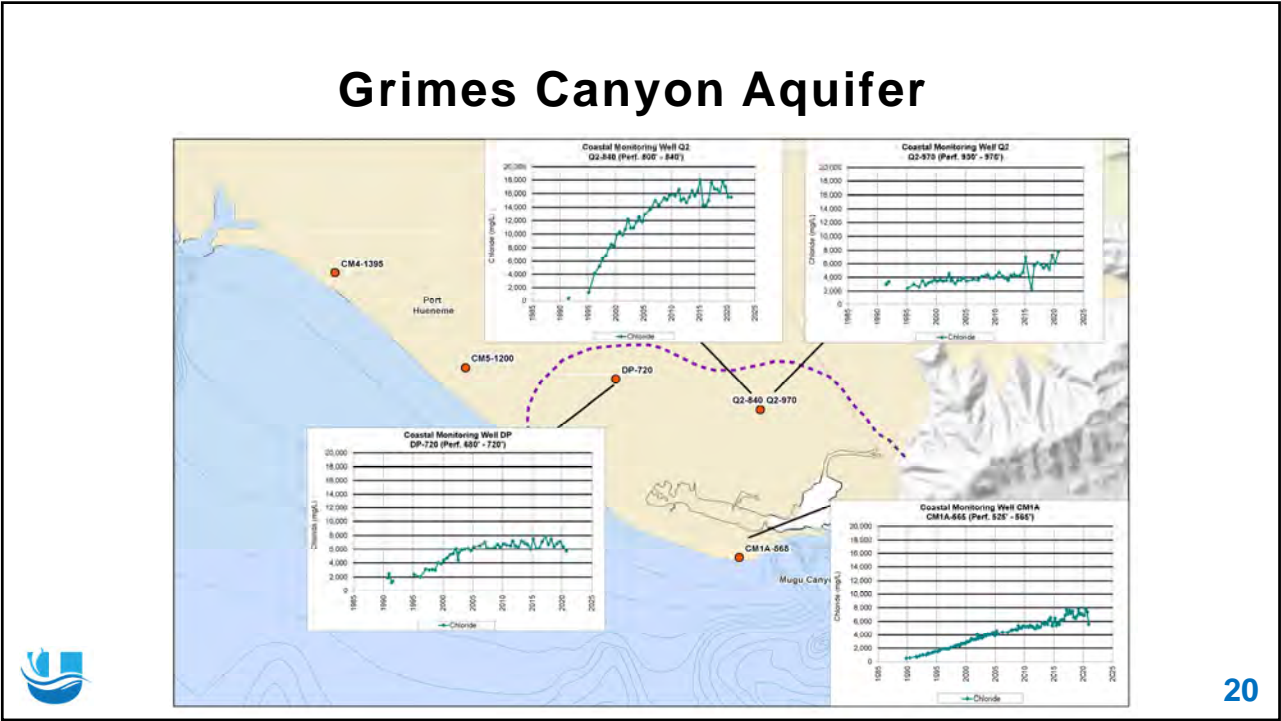
17



18



19



20

Sources of High Salinity

1. Lateral Seawater Intrusion
2. Vertical Flow between Aquifers
3. Compaction of Salt-Laden Marine Clays
4. Movement of Brines from Tertiary formations, often along faults
5. Reduction of recharge production through Freeman Diversion





Update On Water Supply And Demand Trends in the Oxnard and Pleasant Valley (OPV) Basins

Presented by John Lindquist, Senior Hydrogeologist
Water Resources Committee Meeting
October 5, 2021



1

Key Points

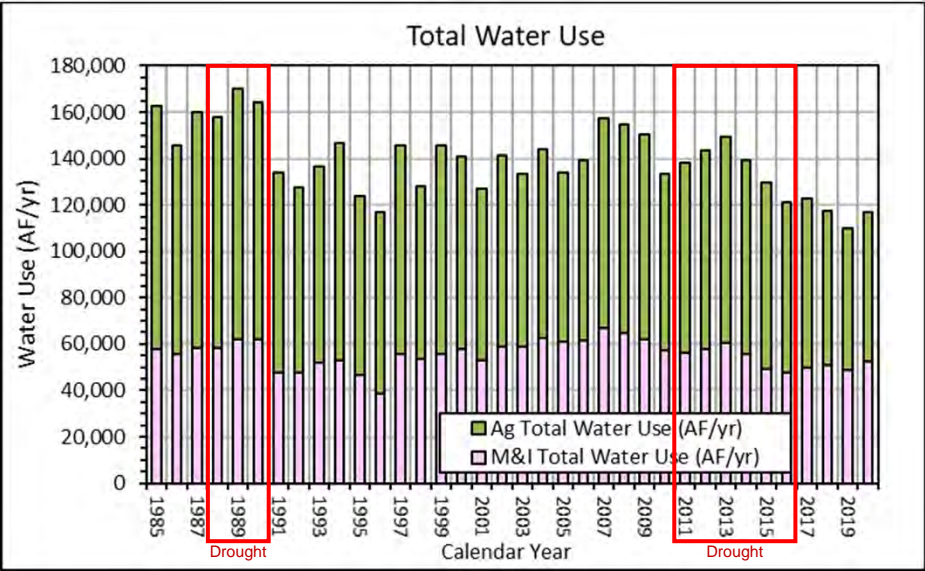
1. Total volumes of water use reported to the FCGMA in the Oxnard and Pleasant Valley basins (OPV basins) since 2016 are among the lowest seen during the period of record (1985-2020)
2. Ag groundwater use increased during 2013-15 due to low rainfall and limited availability of surface-water deliveries to the PTP and PVP
3. M&I groundwater use increased modestly in 2020
4. Application rates (water use per acre) for both Ag and M&I have trended downward overall since 2008, especially when adjusted for rainfall



2

2

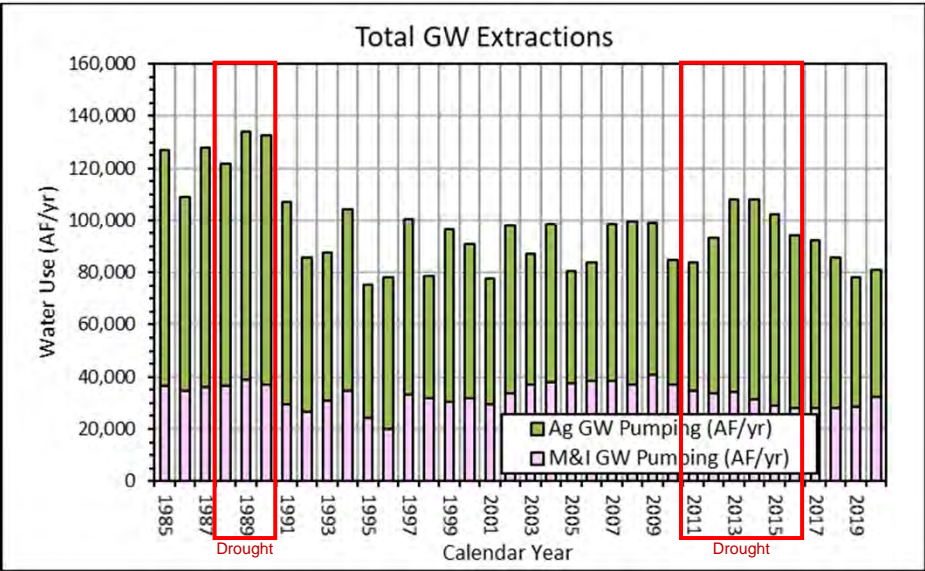
Total Water Use in OPV Basins, 1985-2020



3

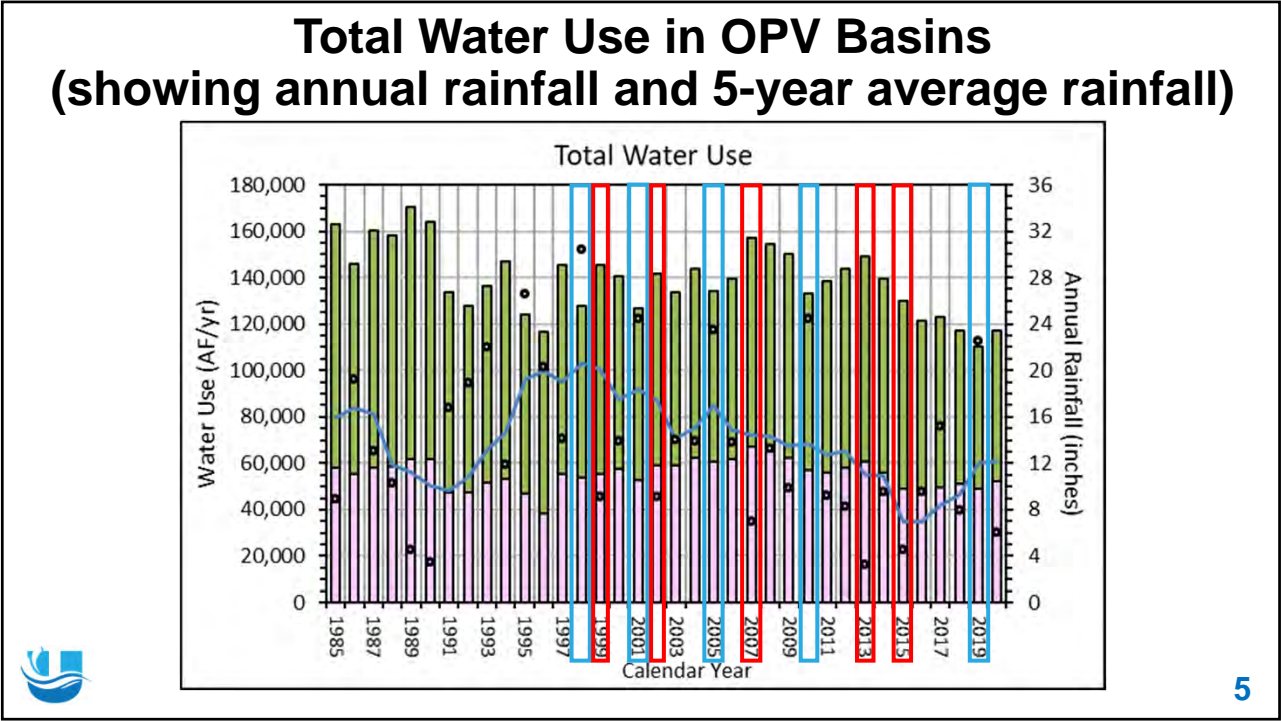
3

Total Groundwater Extractions in OPV Basins, 1985-2020

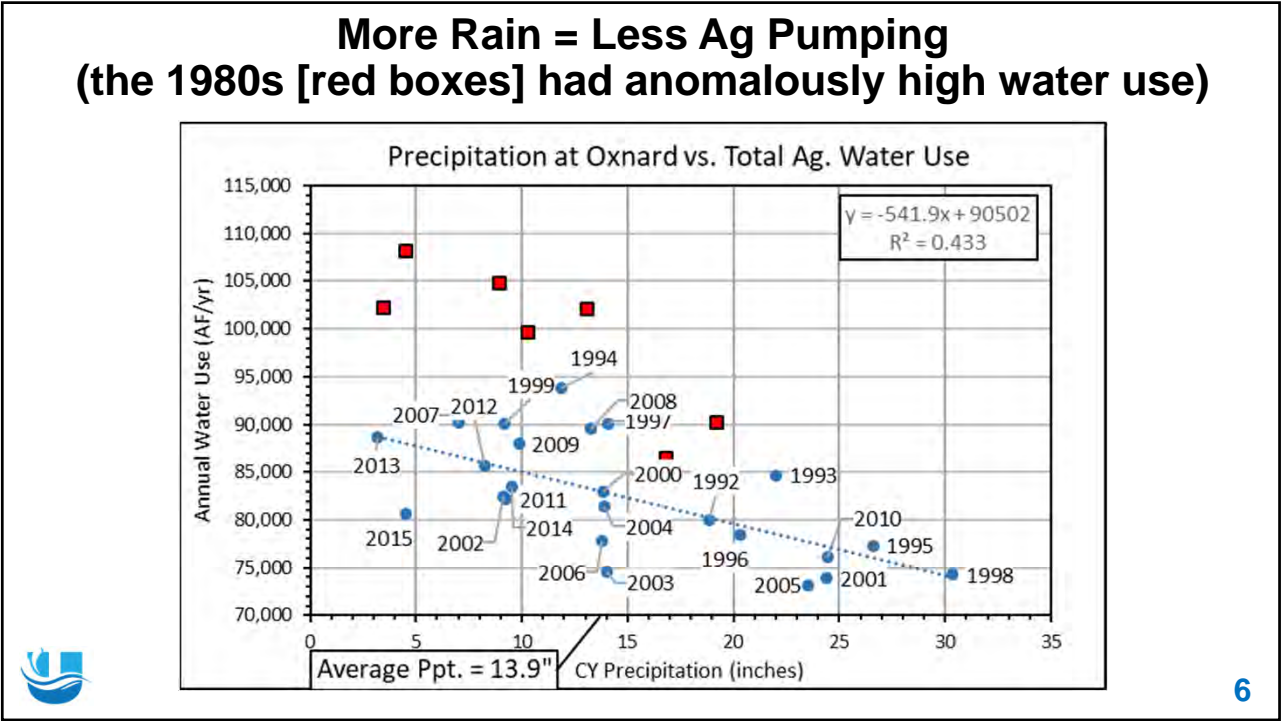


4

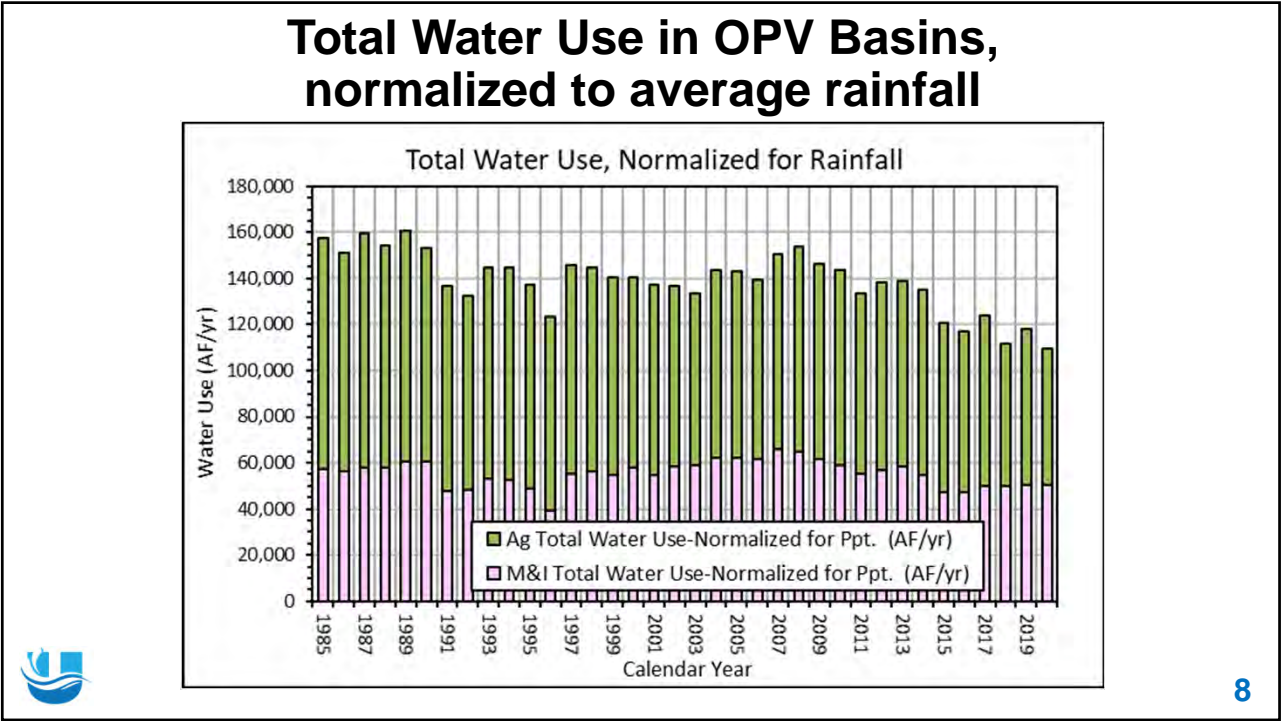
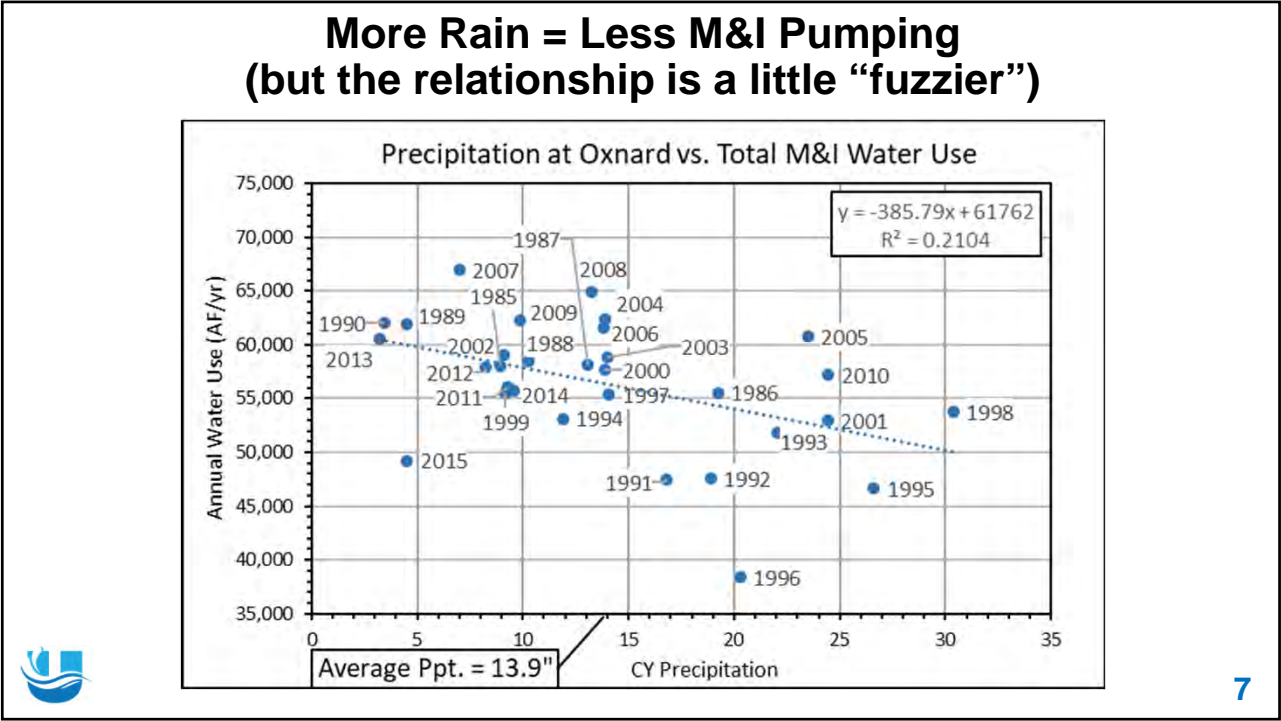
4

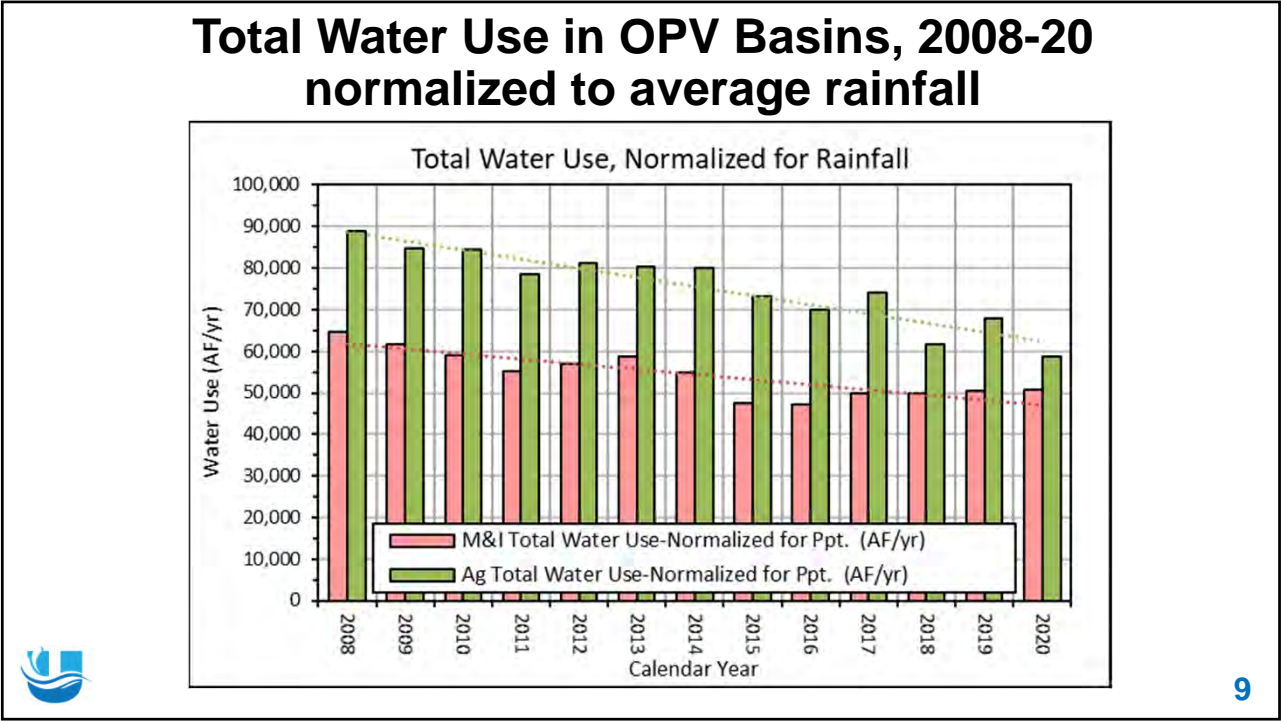


5

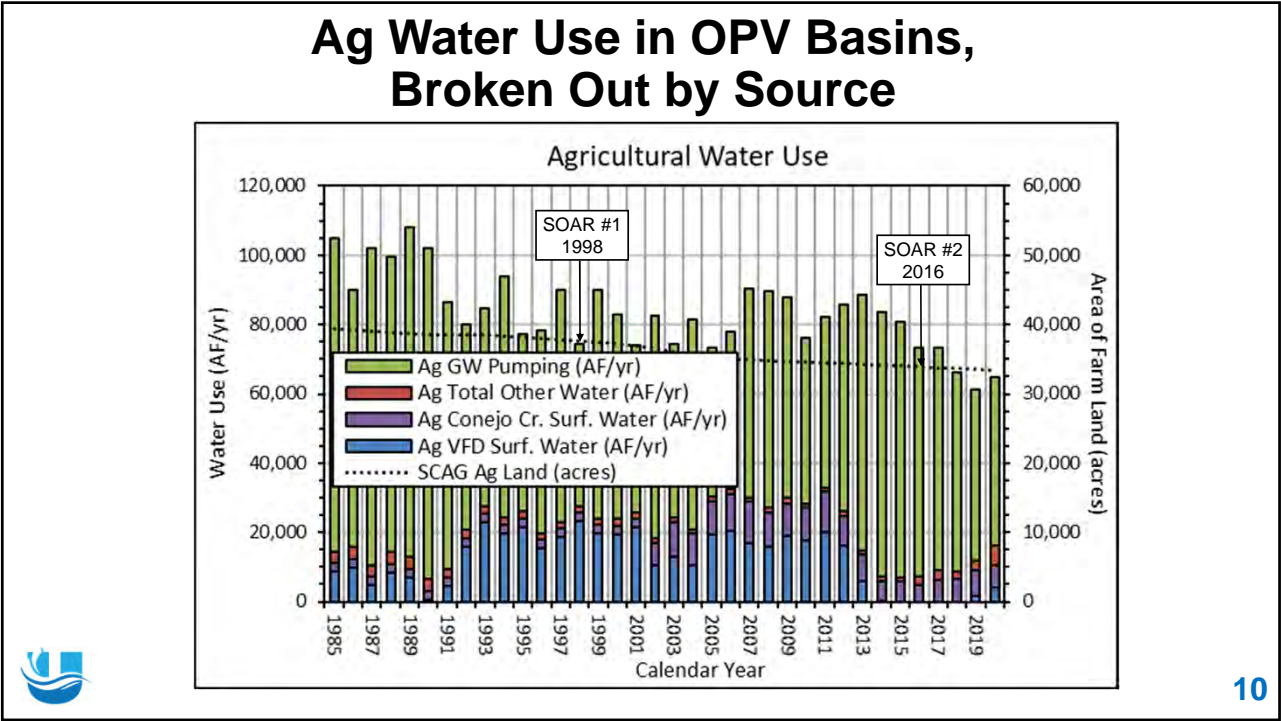


6

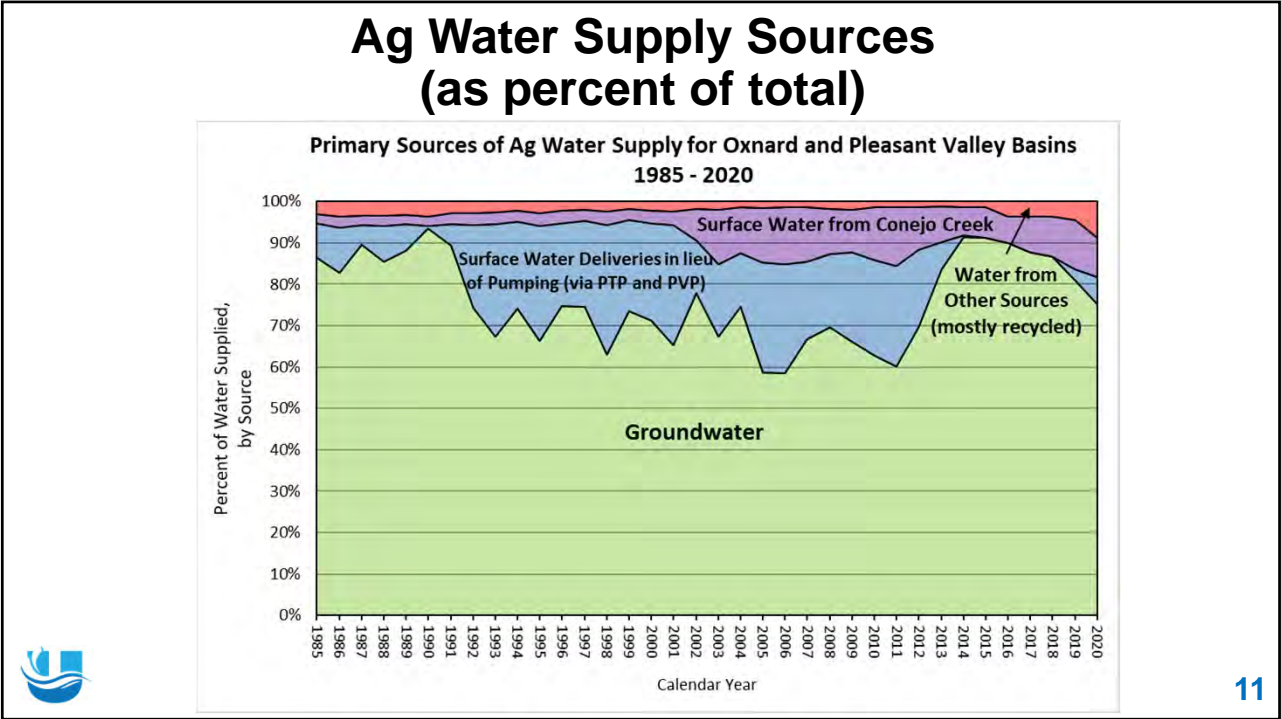




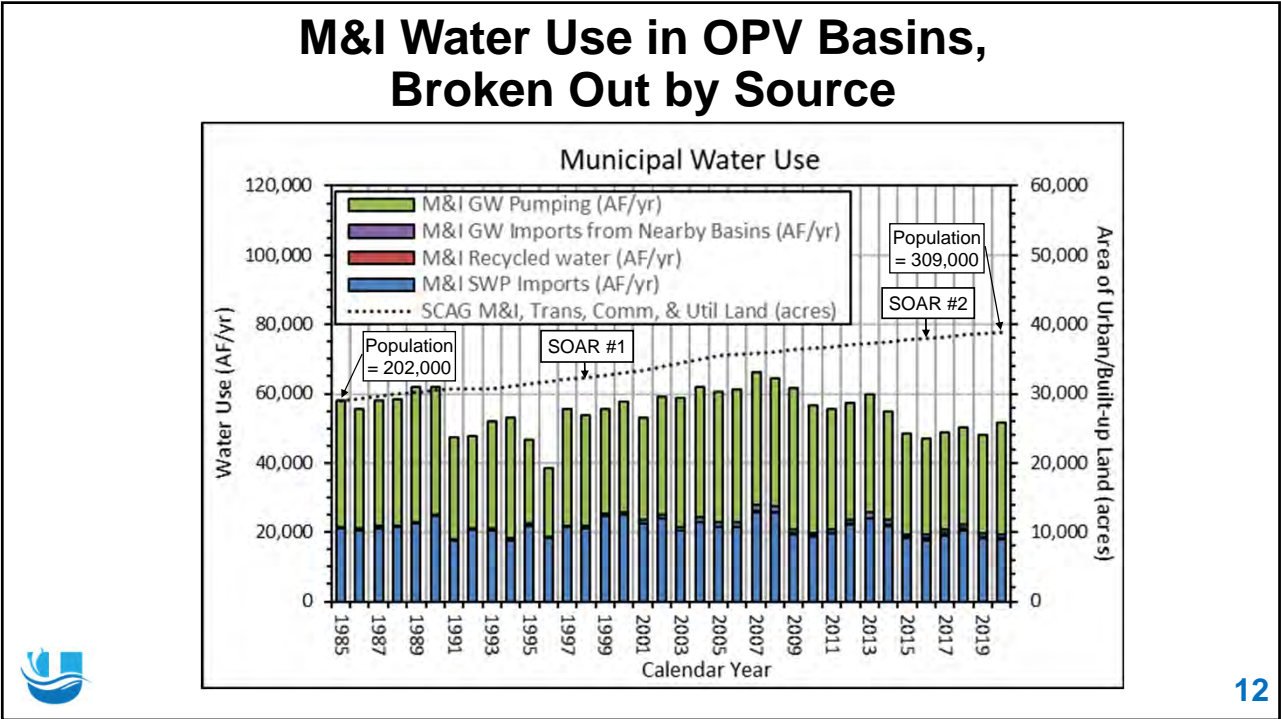
9



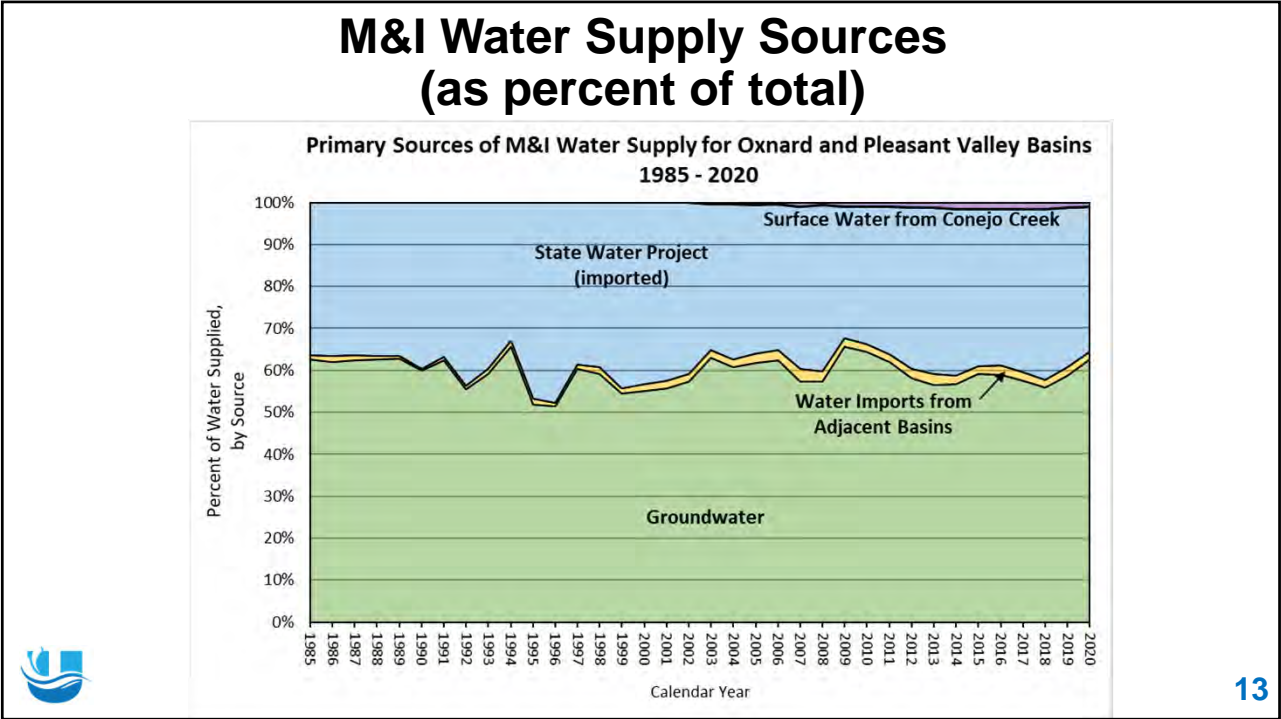
10



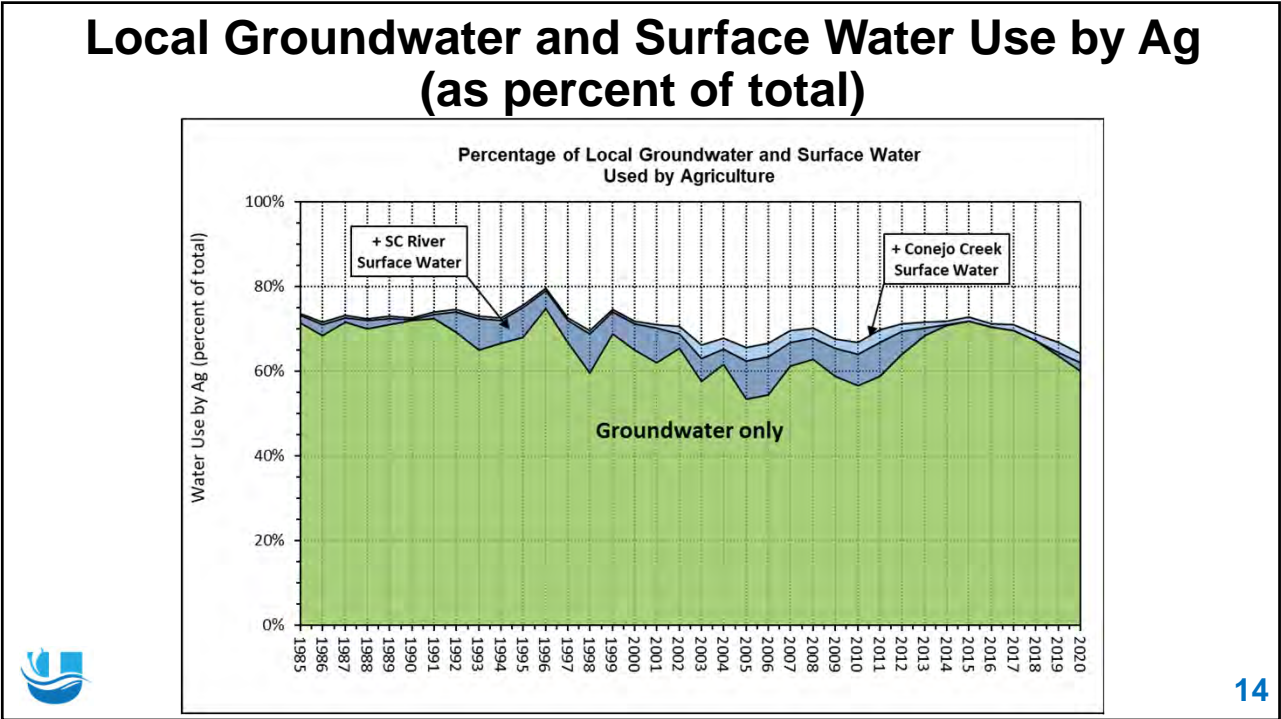
11



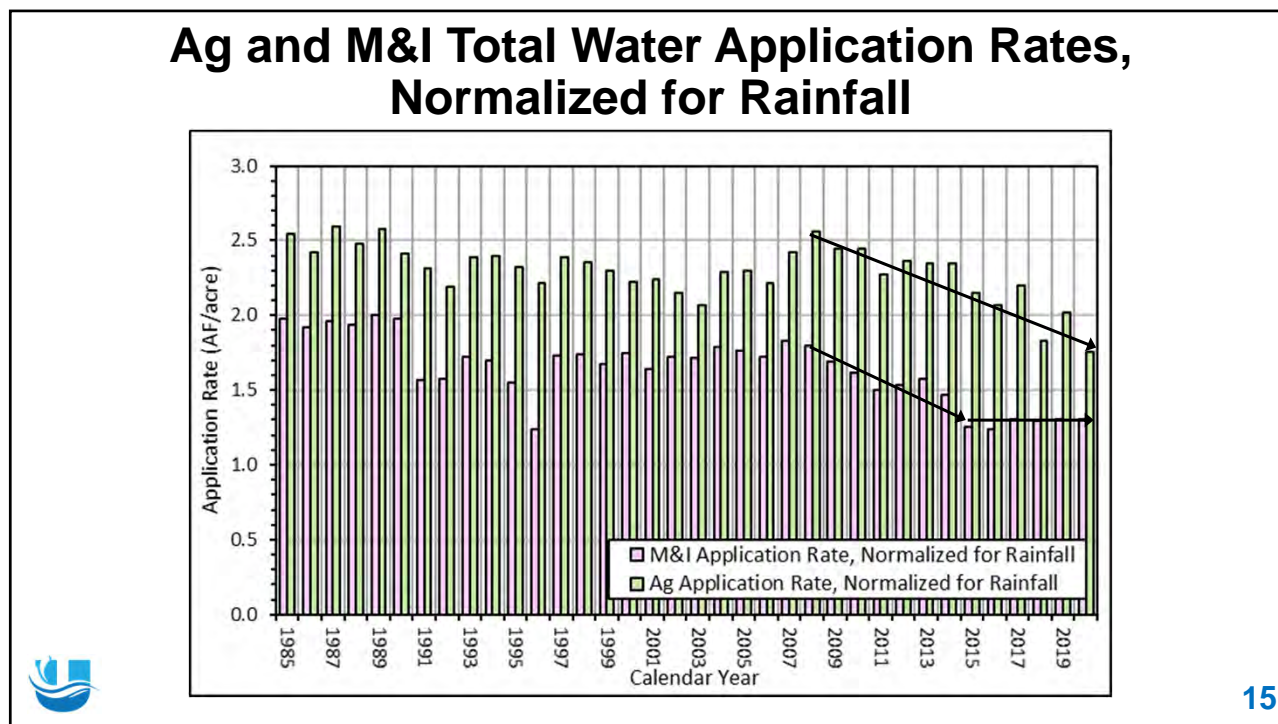
12



13



14



15

- ## Conclusions
1. Total water use/demand in the OPV basins has declined ~25 to 30% since 2008
 - Normalized M&I use has been stable to slightly increasing since 2015
 2. Ag groundwater use increased during the 2012-16 drought
 - Current Ag groundwater use equivalent to that seen during the wettest years of the 1990s
 3. Will the declining trends in water use/application rate continue?
 - Both Ag and M&I will be subject to new conservation requirements from the State
 - Some farm operators have indicated that Ag conservation might be approaching its practical limit
 - What is the real cause of the recent downward trend in Ag application rates:
Conservation, or temporary changes in crop rotation and scheduling?
- 16**

16

Questions?

*“Data is not information,
information is not knowledge,
knowledge is not understanding,
understanding is not wisdom.”*

-- Tim Berners-Lee, the inventor of the World Wide Web





Operations of the Hardened Ramp with Mod 6 and Mod 9 designs

Presented by Murray McEachron,
Principal Hydrologist

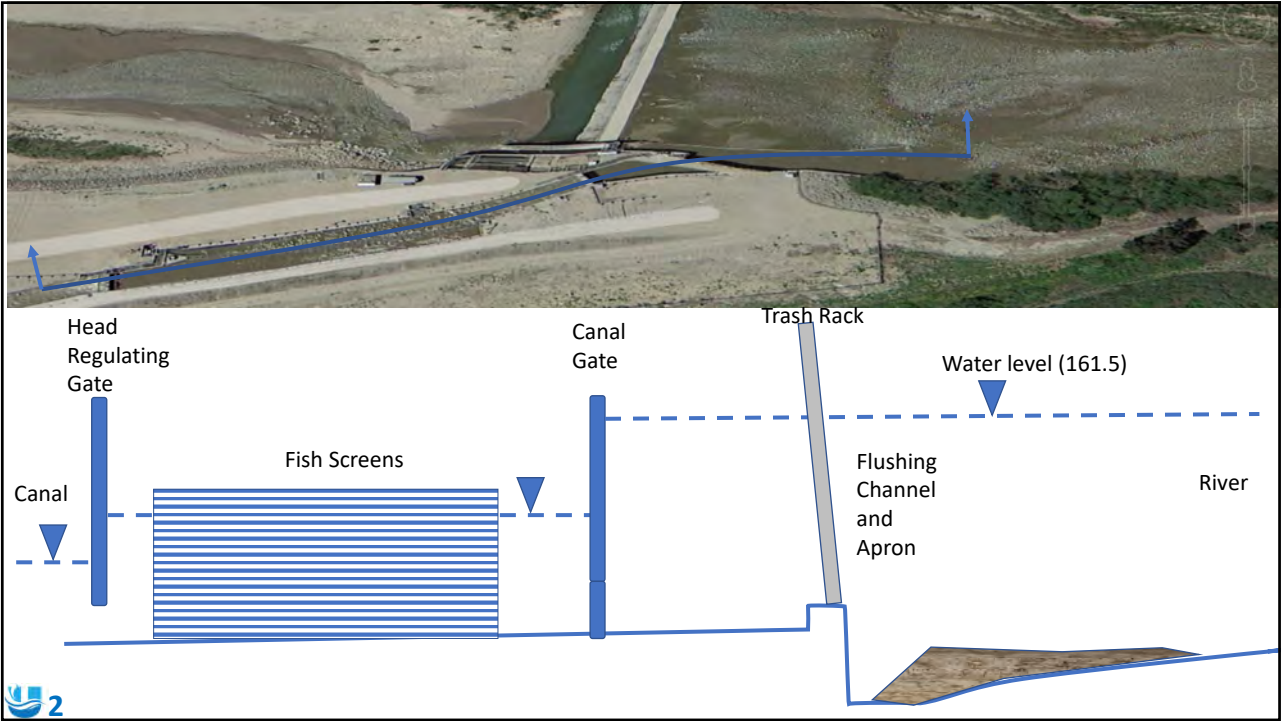
Water Resources Committee
Meeting

October 5, 2021

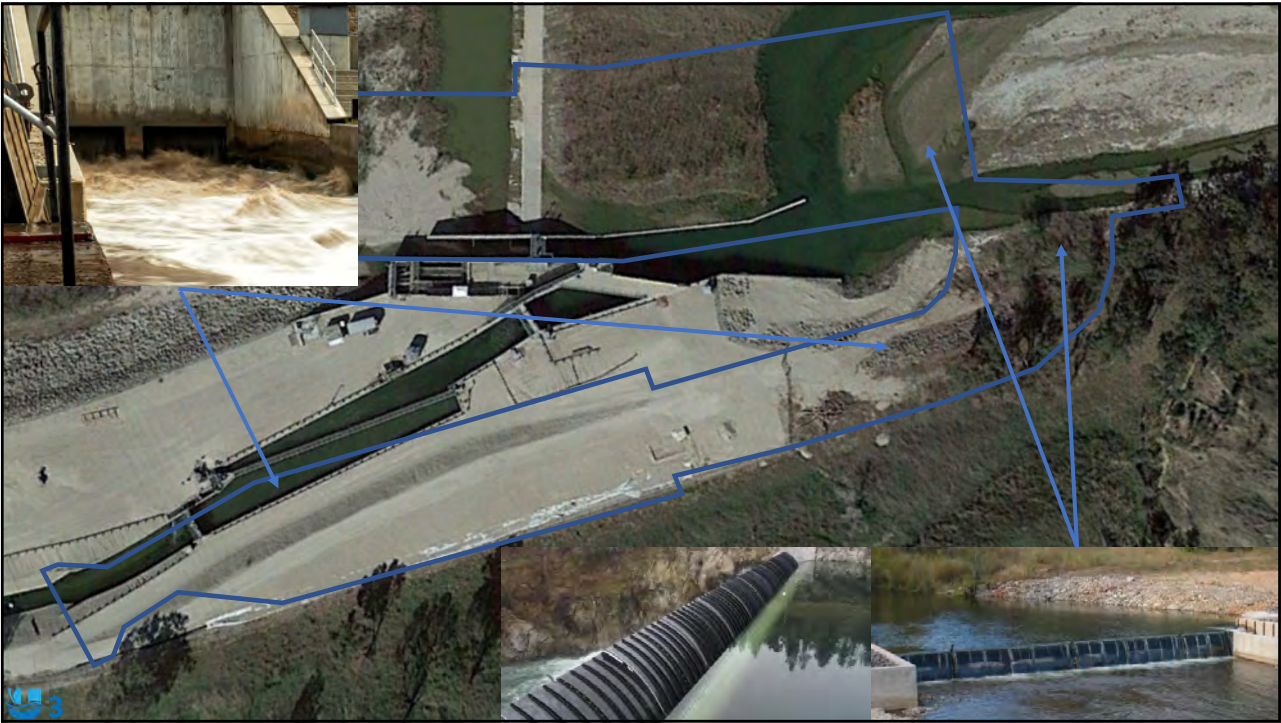




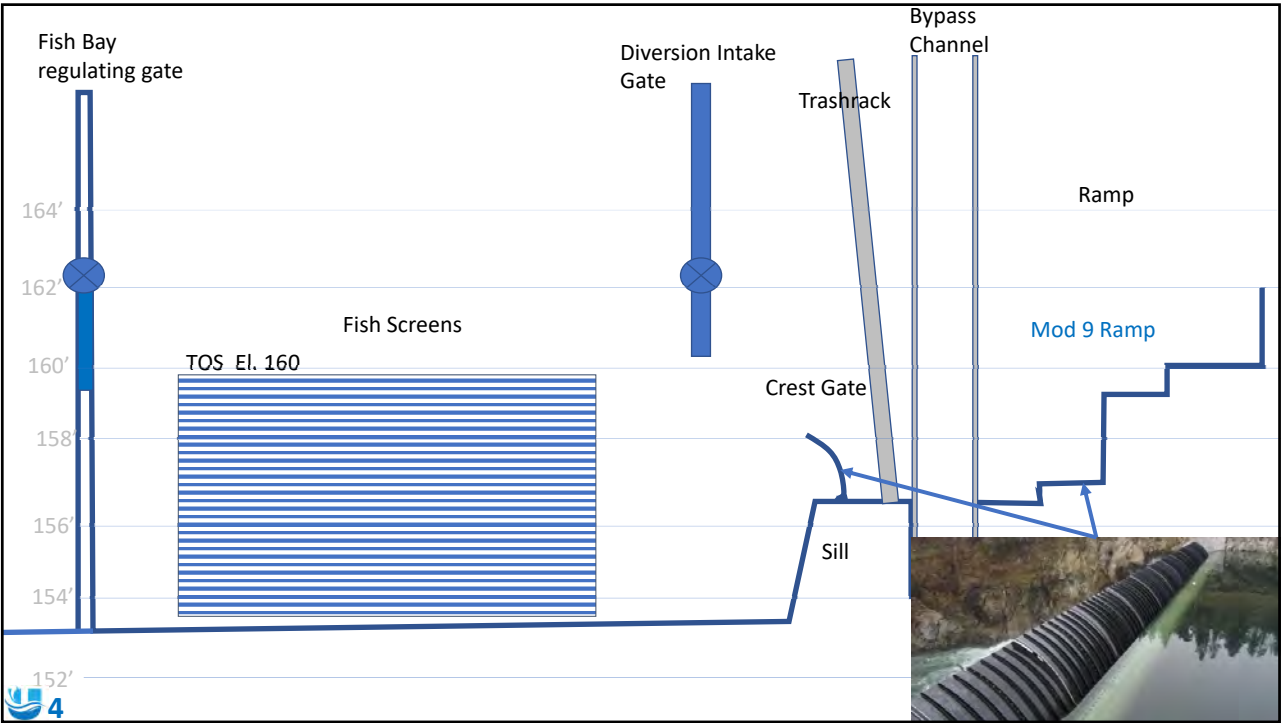
1



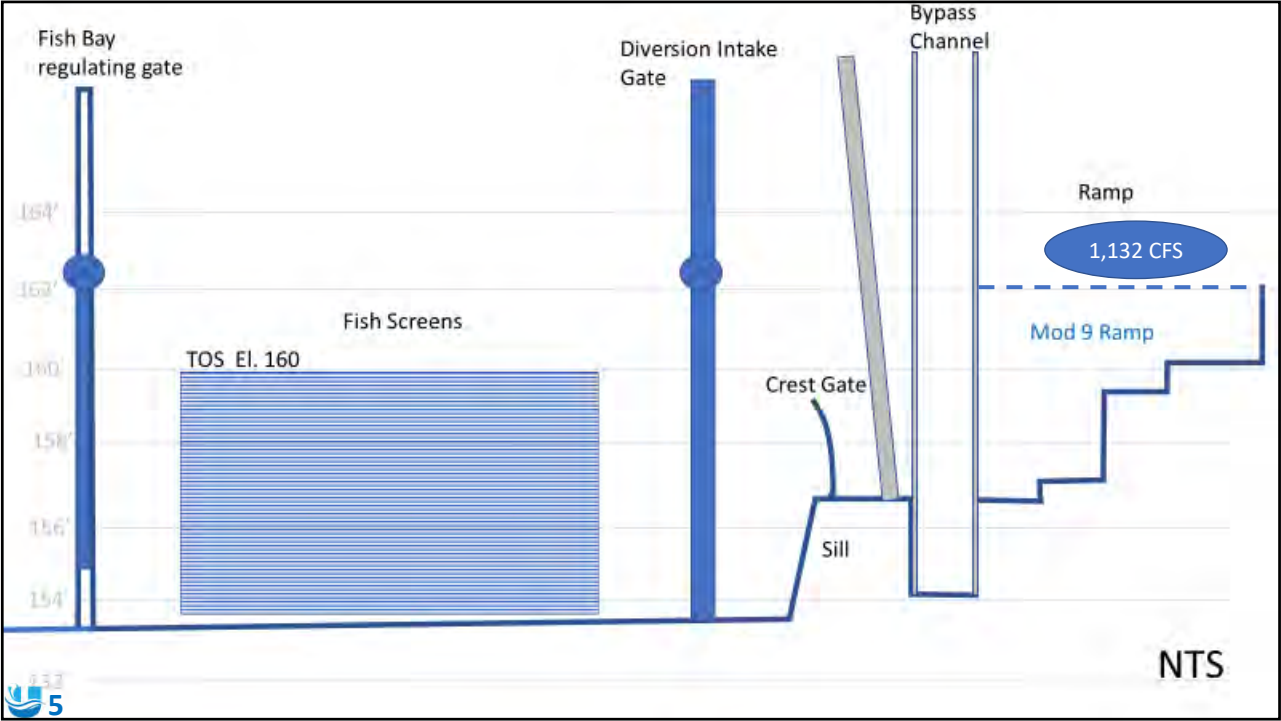
2



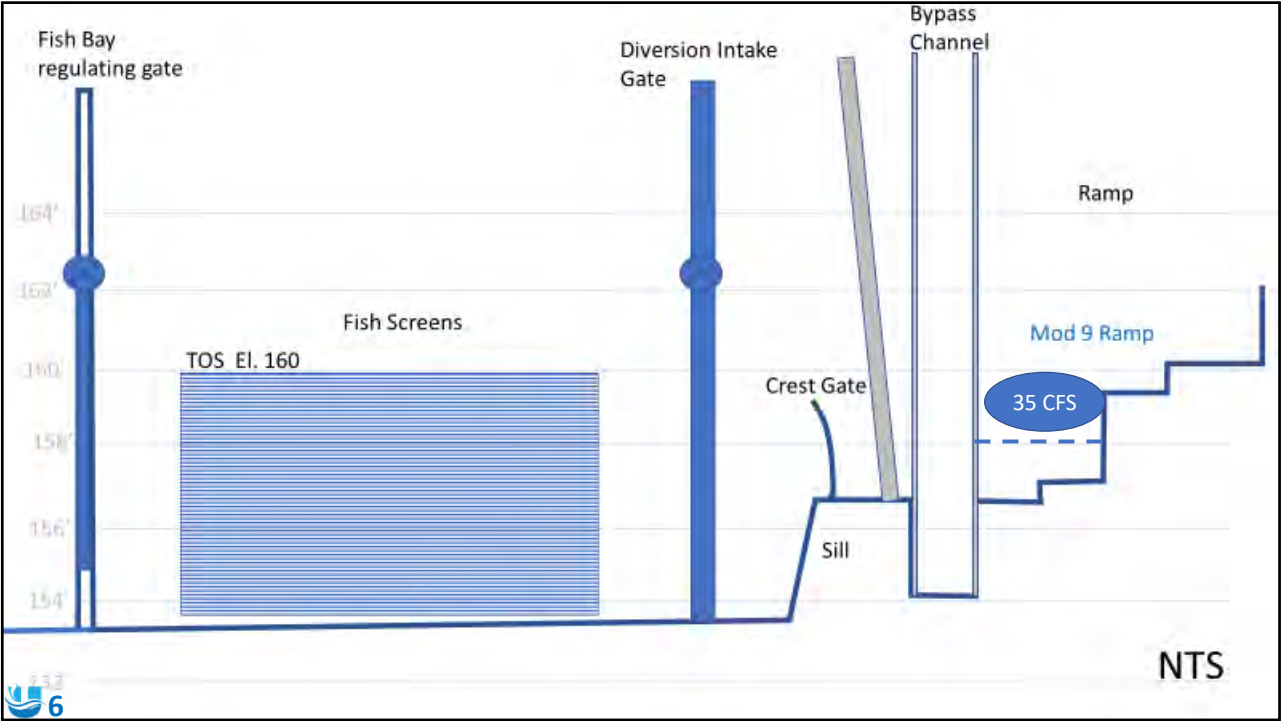
3



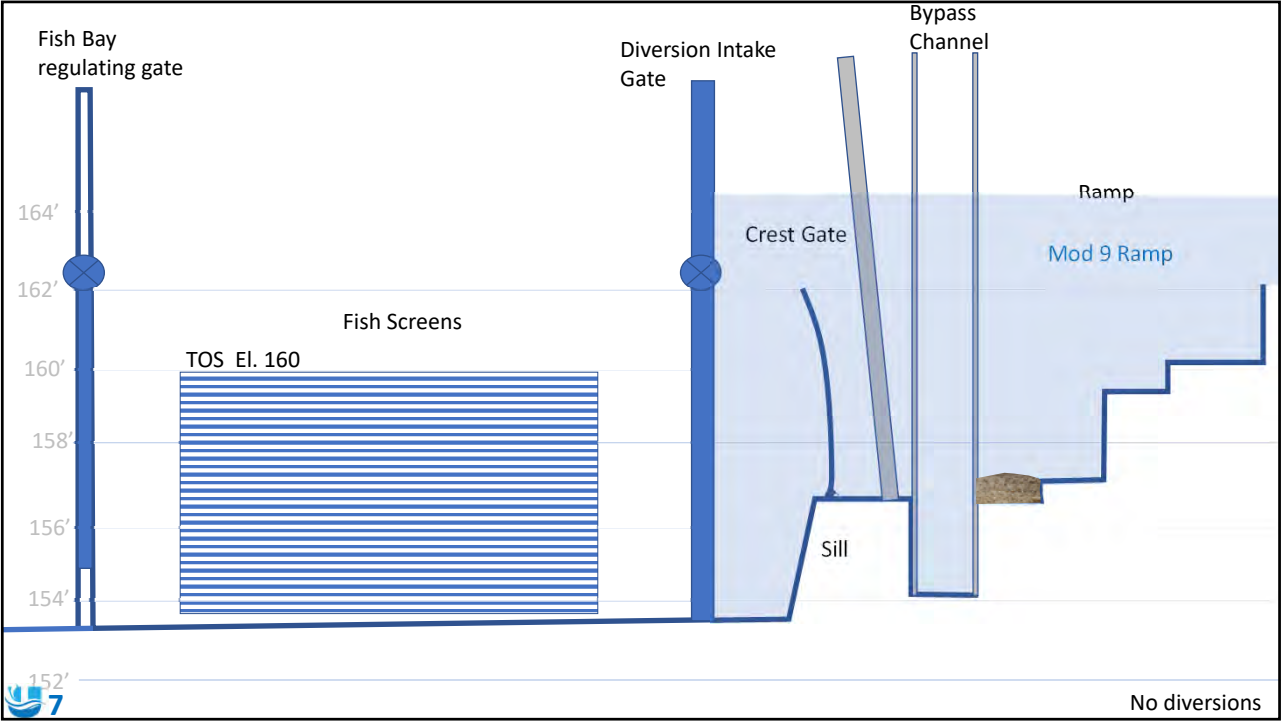
4



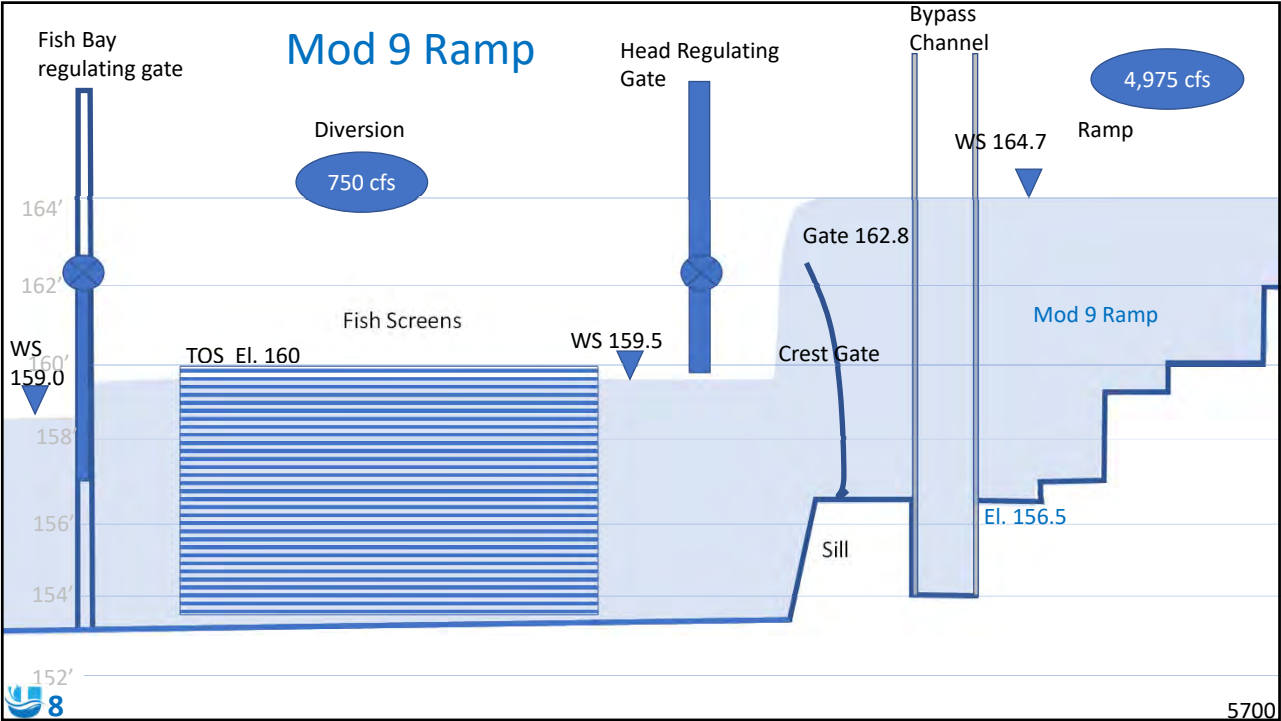
5



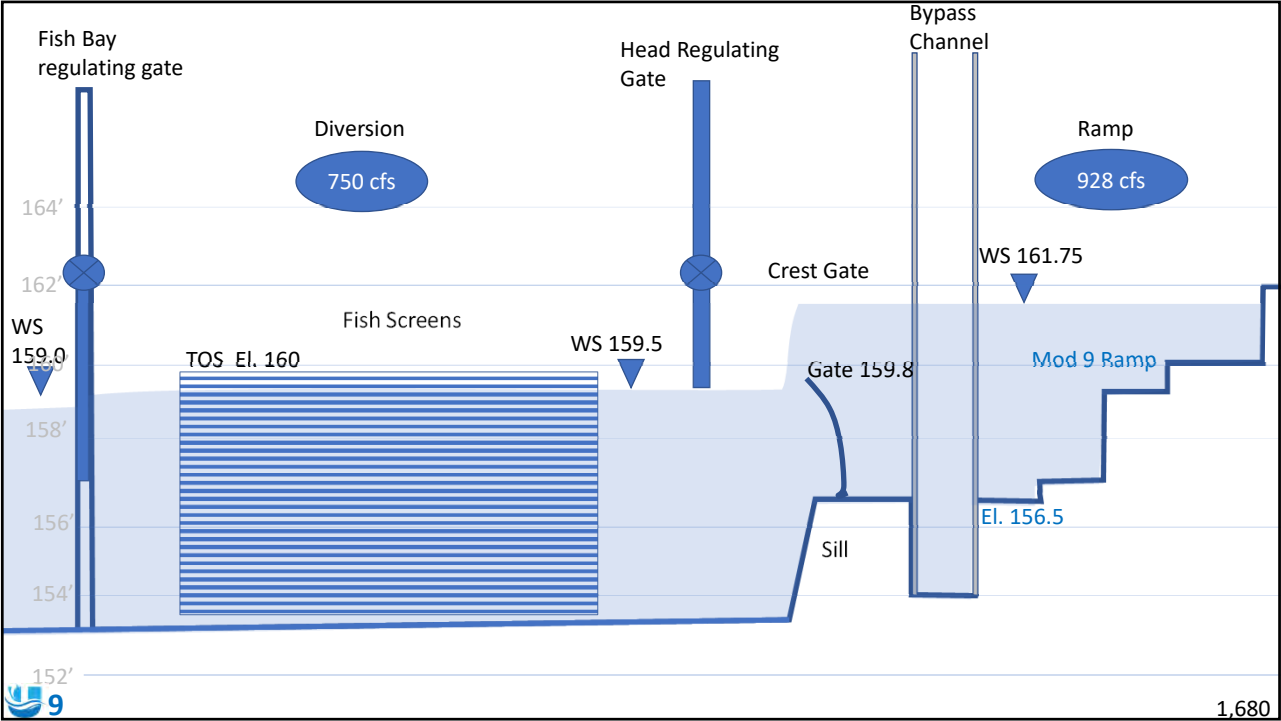
6



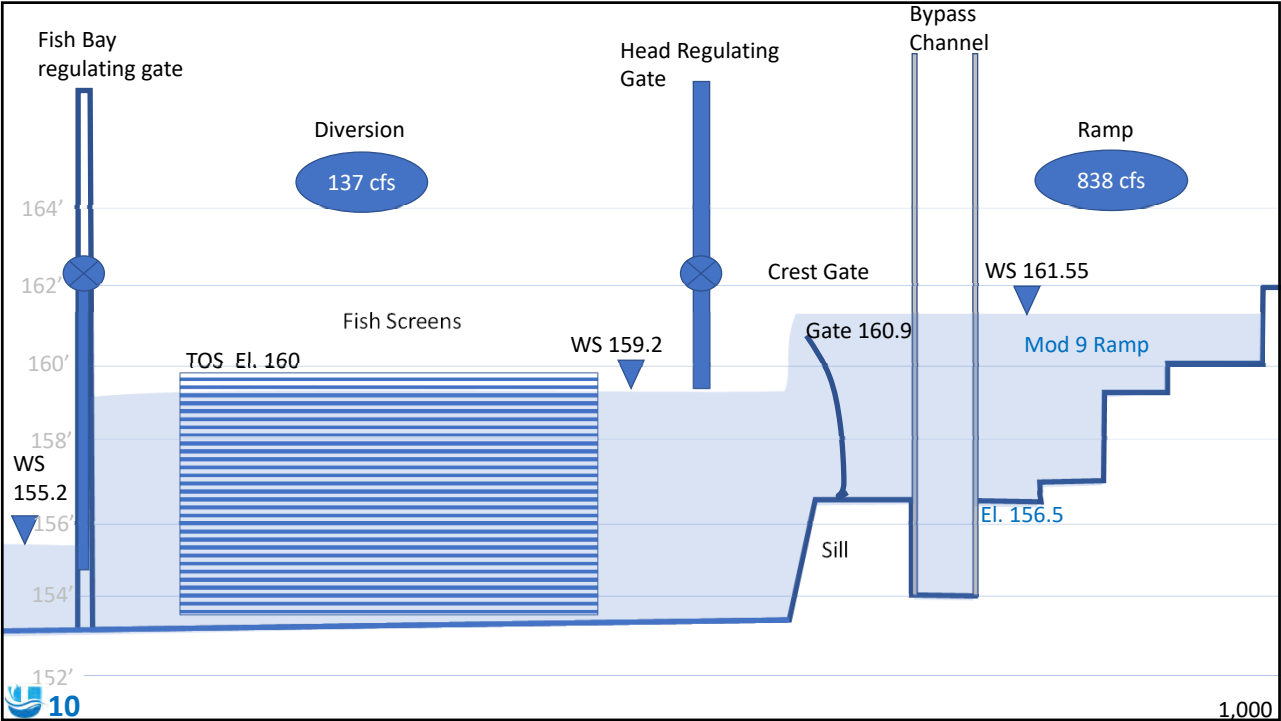
7



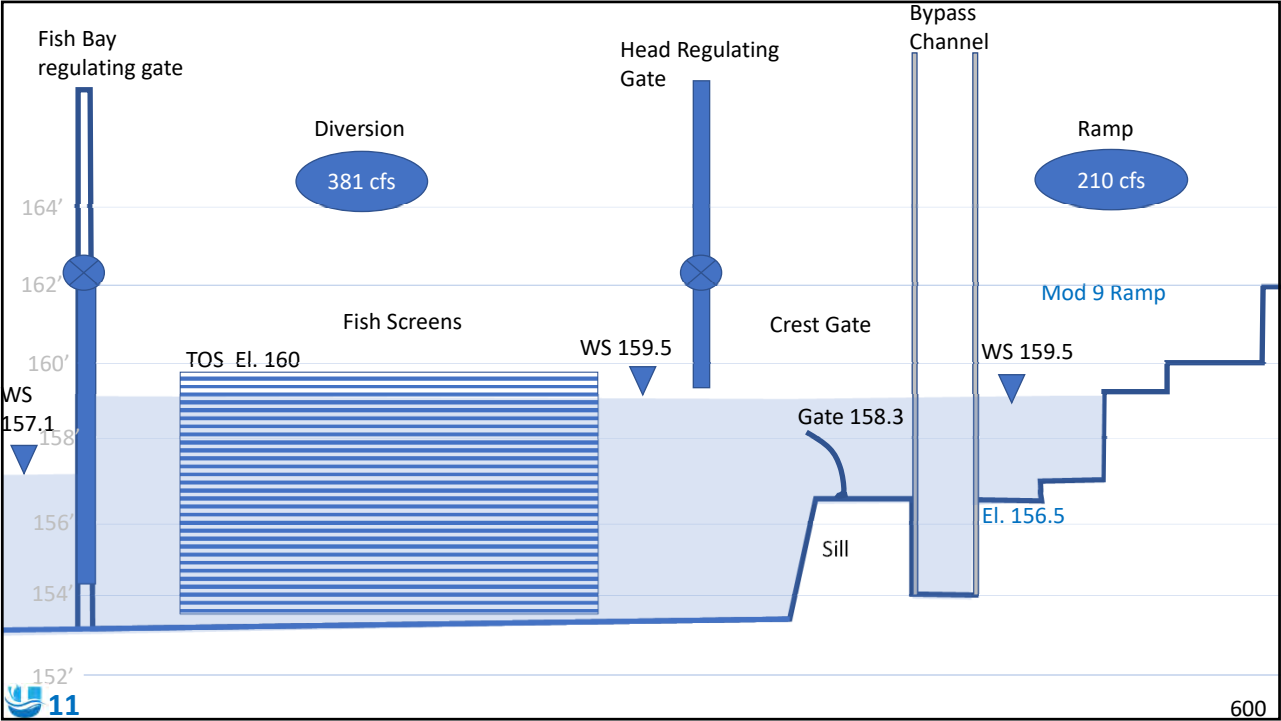
8



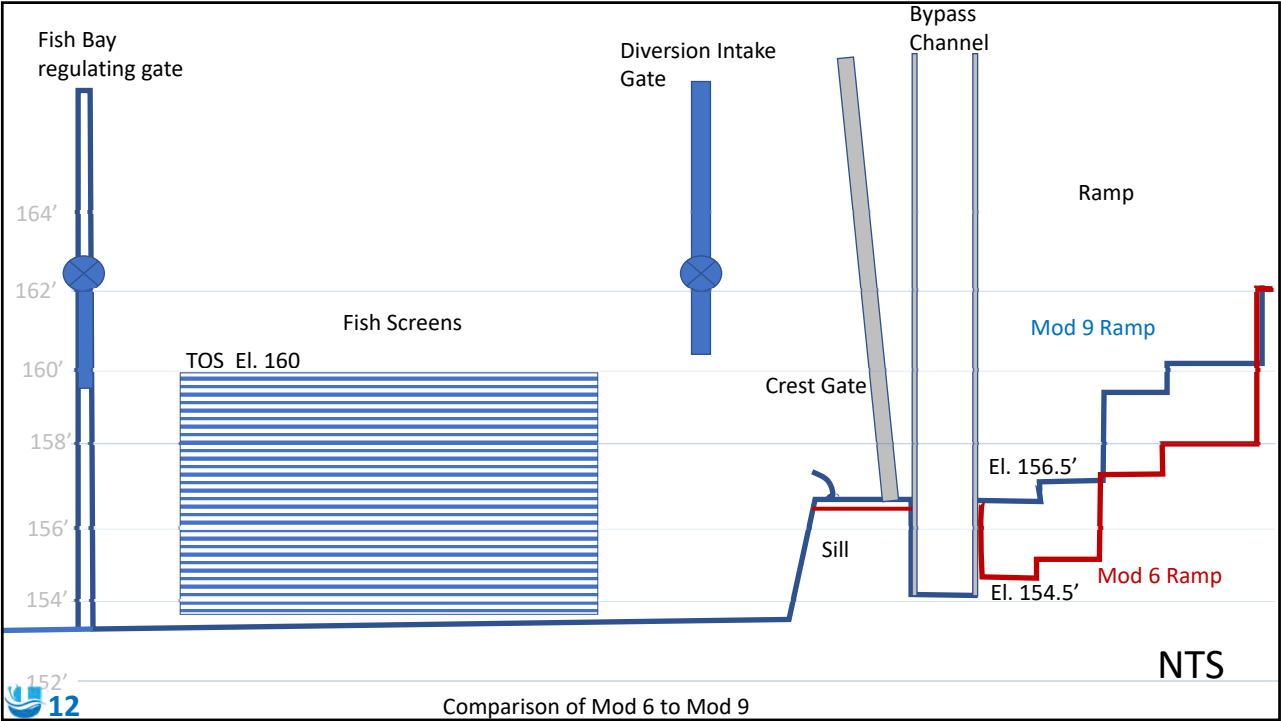
9



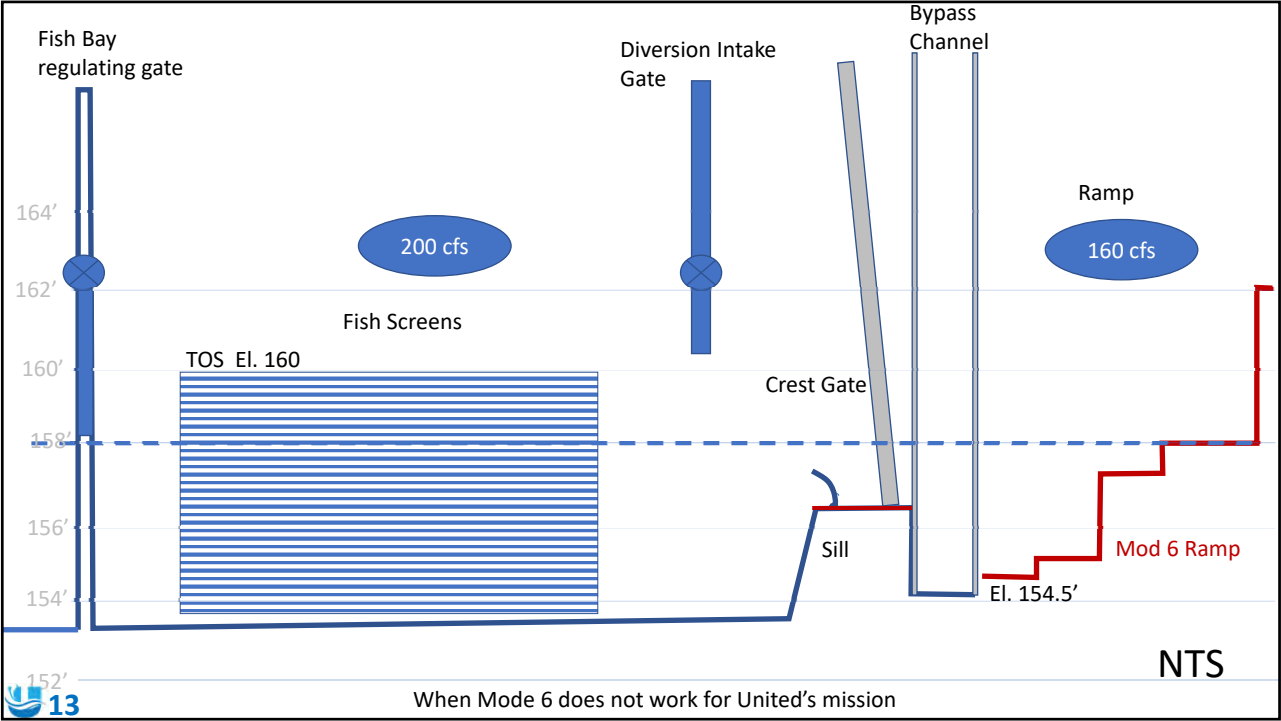
10



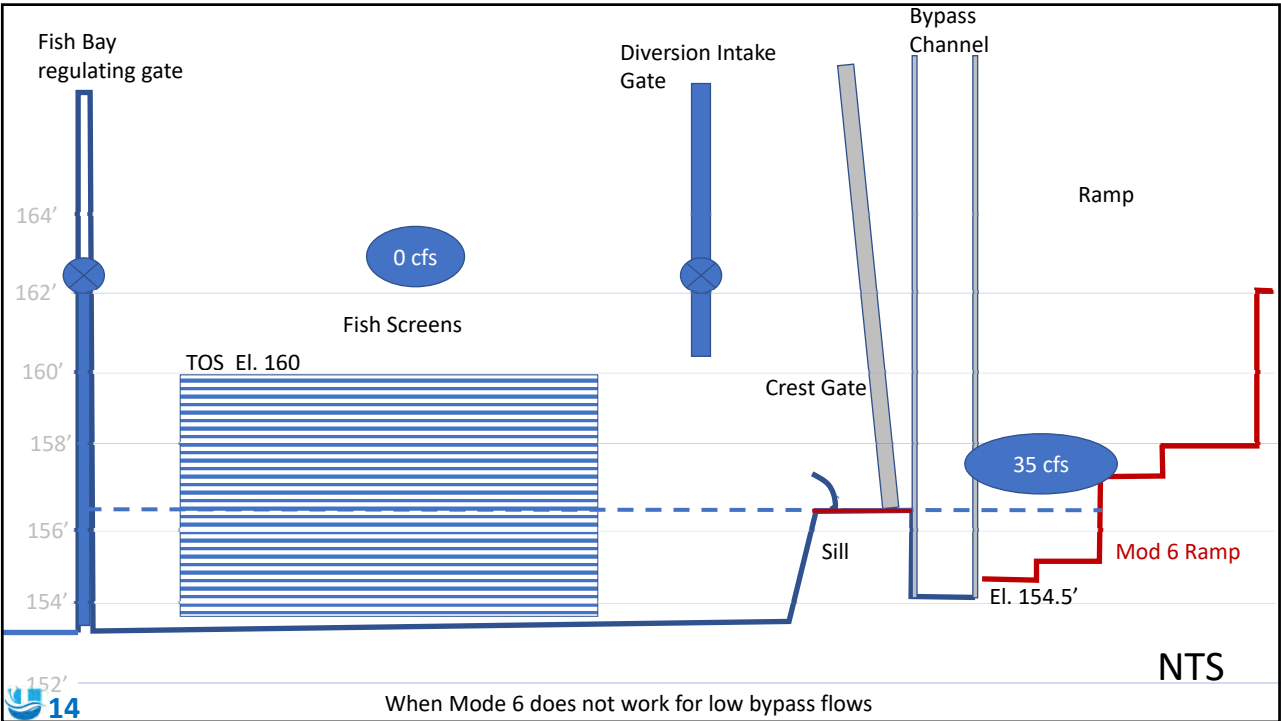
11



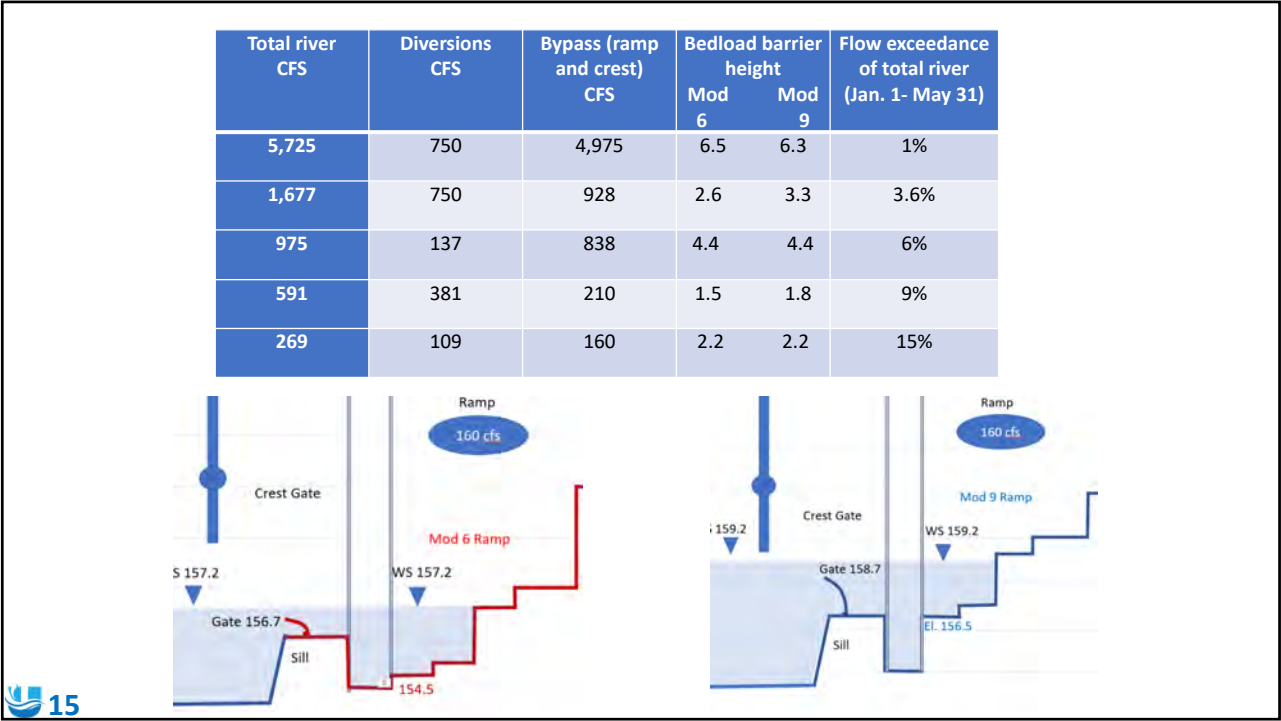
12



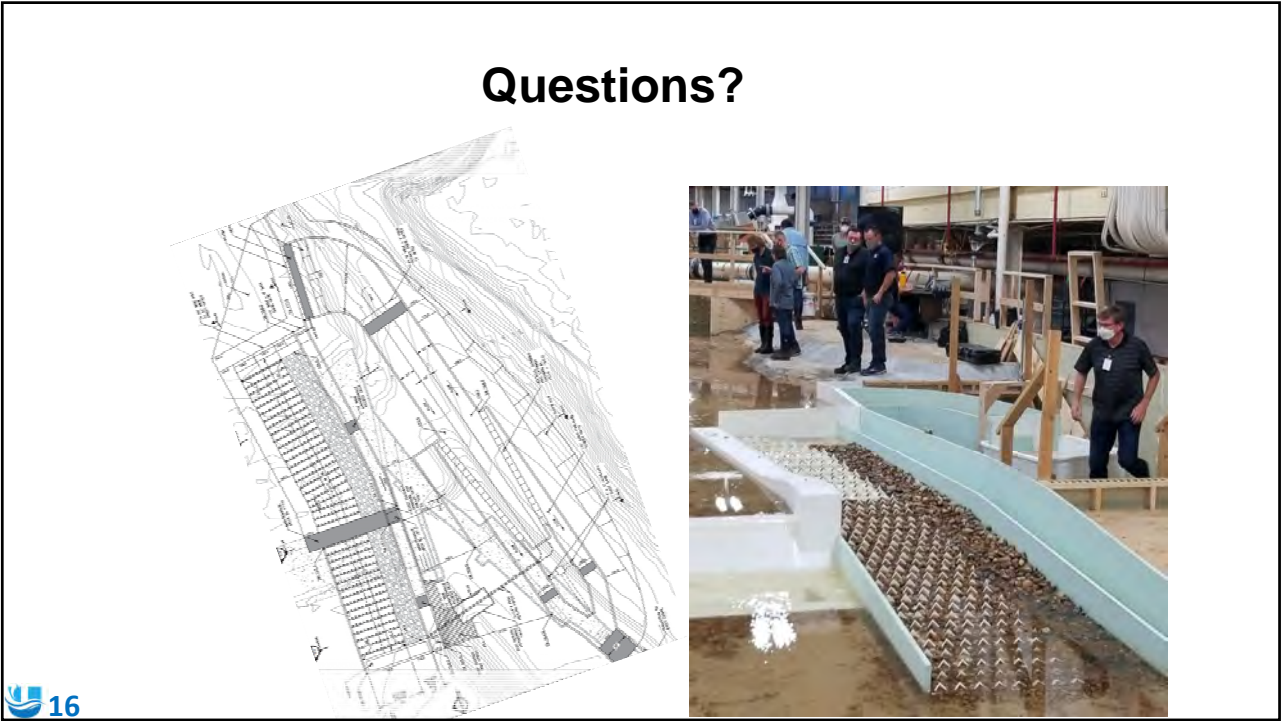
13



14



15



16



Staff Report

To: Water Resources Committee

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

From: Maryam Bral, Chief Engineer
Dan Detmer, Water Resources Manager

Date: November 30, 2021 (December 6, 2021 Committee Meeting)

Agenda Item: 6. **Monthly Water Resources Department Report Information Item**

Staff Recommendation:

Receive a summary report on various Water Resources Department activities.

Discussion:

Staff Activities

In addition to the Department's routine, ongoing groundwater monitoring and reporting programs and its support of Groundwater Sustainability Agencies (summarized in a separate staff report), notable efforts and activities conducted by staff during the past month included the following:

- Groundwater Modeling:
 - Staff has converted the 2018 version of the groundwater flow model (Coastal Plain Model) to a new software version MODFLOW-USG-Transport that allows for the simulation of salinity and water density changes associated with seawater intrusion in the coastal areas surrounding Pt. Mugu and Port Hueneme. Staff is now running various extraction barrier scenarios as part of a feasibility study for the project. This work is funded by a Prop 1 Round 2 grant, and incorporates revised geologic mapping in the study area, work that was also funded by the Prop 1 grant.
 - Staff continue to model alternatives for integrating (optimizing) new and existing water-supply and conjunctive-use projects to increase sustainable yield and provide sufficient water to meet current and future demands in the Oxnard and Pleasant Valley basins, which are classified as "critically overdrafted" by CA Department of Water Resources. This effort incorporates both surface-water-distribution modeling and groundwater modeling to evaluate different combinations of water-supply and conveyance infrastructure to maximize sustainability, resilience, and environmental benefits while keeping potential project costs reasonable.
-

Agenda Item: 6. Monthly Water Resources Department Report
Information Item

Page 2

- Staff continue to help the Environmental Services Department (ESD) evaluate effects of existing and potential future surface water flow conditions at the Freeman Diversion.
 - Staff are assisting Environmental Services and Engineering Departments in evaluating fish passage design modifications under consideration for United's Habitat Conservation Plan (HCP), including assisting with physical modeling efforts at the Bureau of Reclamation's facility in Denver.
 - Staff are assisting ESD in evaluating the effects of shifts in the channel of the Santa Clara River above the Freeman Diversion on groundwater elevations below adjacent areas of riparian vegetation.
- Staff continue to assist with planning and coordination for release of Table A water and supplemental State Water Project water acquired from City of San Buenaventura. A release of 1,420 AF from Pyramid Lake to Lake Piru is scheduled to be initiated the week of December 6.
- Staff continue to collaborate with the Engineering Department to develop, design, and implement a portfolio of new or improved water-supply projects within the District's service area. The collaborative effort is currently focused on refining the conceptual design of water-supply projects and new conveyance systems so that they yield the best value in terms of sustainable yield for the groundwater basins in United's service area. United's consultant, Kennedy Jenks, is preparing a technical memorandum summarizing results of their analysis of conceptual design alternatives for conveyance of treated water from an extraction barrier to users. Groundwater-flow and surface-water-distribution modeling are currently being applied to develop an optimal barrier to seawater intrusion and to determine the cost-benefit ratio of adding new extraction wells in inland areas of Oxnard basin or in the Upper Aquifer System to help achieve sustainable management criteria.
- Staff has finalized a report detailing overdraft conditions in the Oxnard and Pleasant Valley basins in 2020 and the related ongoing and active seawater intrusion in the southern areas of the Oxnard basin.

Outreach and Educational Activities:

- Staff continue to participate in meetings or phone calls with the FCGMA, State and local government representatives, and other stakeholders to provide information regarding sustainability issues and water-supply projects, as requested.
 - Staff presented "When Will the Current Local Dry Cycle End?" to the University Club of Ventura County on November 17.
 - Staff attended the AWA Waterwise Webinar "Managing Water Supply and Efficiency During Drought Emergency" on November 18.
 - Water Resources and Environmental Services staff continued planning for a joint presentation to be given at the Oxnard High School STEAM Day (planned for December).
-



Staff Report

To: Water Resources Committee

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

From: Maryam Bral, Chief Engineer
Dan Detmer, Water Resources Manager

Date: November 30, 2021 (December 6, 2021 Committee Meeting)

Agenda Item: 7. **Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA) Information Item**

Staff Recommendation:

Receive a summary report on the monthly activities of the three local Groundwater Sustainability Agencies (Fox Canyon Groundwater Management Agency, Fillmore and Piru Basins GSA, and Mound Basin GSA), for which District board members serve as member directors, and the Santa Paula basin (adjudicated) Technical Advisory Committee. Staff may also report on state-wide issues related to the implementation of the Sustainable Groundwater Management Act of 2014.

Discussion:

Fox Canyon Groundwater Management Agency (FCGMA)

Staff continue to monitor and, where appropriate, participate in the FCGMA's groundwater sustainability planning and implementation efforts in the Oxnard, Pleasant Valley, and Las Posas Valley basins. United staff continue to meet periodically with FCGMA staff to develop analyses of benefits and impacts of water-supply projects and different variations of those projects in support of developing a sustainable, resilient water-supply portfolio for the service areas of both agencies.

California Department of Water Resources (DWR) announced approval of FCGMA's GSPs for the Oxnard and Pleasant Valley basins on November 18. DWR notes that "...the GSP lacks specific details regarding the pumping reduction plan, the projects and management actions that will be implemented, expected timelines of projects and management actions, and when the Agency expects to see benefits from implemented projects and management actions." The approval letter included a few recommended actions, including that subsequent reporting discuss the "impact of further seawater intrusion and associated loss of storage on beneficial uses and users under the dry climatic condition scenario... inland of the 2015 saline water impact area if landward migration of the saline water impact front continues."

Agenda Item: 7. Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item

Page 2

Also in November, FCGMA staff solicited project suggestions from cities and water agencies within their service area in response to a new DWR Sustainable Groundwater Management (SGM) Grant Program with \$7.6 million reserved for each Critically Overdrafted (COD) in the state, with \$3.7 reserved for geophysical investigations, regional flood management plans, and “projects that would complement efforts of a local GSP... to benefit groundwater recharge or habitat (e.g., basin recharge using peak flows from a river, creek or stream).” The Oxnard and Pleasant Valley basins are COD basins. Grant funding can also be used for planning and project design activities.

United staff also attended and, where appropriate, contributed to FCGMA Board and Committee meetings, as follows:

Board of Directors meetings – The FCGMA Board did not hold a regular meeting during November. The next FCGMA Board meeting is scheduled for December 10, at 1:30 pm.

- The FCGMA Board held a special meeting online on November 12. The main topic of discussion during the closed session was existing litigation with Las Posas Valley Water Rights Coalition and OPV Coalition.

OPV Variance Review Committee meeting – The FCGMA Operations Committee held online meetings on November 15 and 22. Several variance requests were reviewed, and Committee recommendations will be advanced to the full FCGMA Board at a later date. The next meeting is scheduled for December 6.

Fiscal Committee meeting – The FCGMA Fiscal Committee has not met since May 18.

Operations Committee meeting – The FCGMA Operations Committee has not met since May 19. The Legal *Ad Hoc* Committee of the OPV Core Stakeholder Group has not met since June 11. Discussions by this committee are subject to a non-disclosure agreement.

Fillmore and Piru Basins Groundwater Sustainability Agency (FPBGSA)

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

Board of Directors meetings – The FPBGSA held a regular Board meeting on November 18. Notable topics included:

- The Board received a presentation from consultant DBS&A on responses to public comments received on the drafts, and the amended draft GSPs and associated technical appendices. Staff will prepare final GSPs and anticipates adoption by the Board at its December 16 meeting.

The next regular FPBGSA Board meeting is scheduled for December 16 at 5:00 pm.

Agenda Item: 7. Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item

Page 3

GSP preparation – The draft GSP for the Fillmore basin, as prepared by consultant DBS&A was posted on the agency website on August 9 and the public comment period closed on October 9. The draft GSP for the Piru basin was posted on August 23 and the public comment period closed on October 23. Public comments received on the draft GSPs were reviewed and responses to comments were developed, with some revisions to the draft GSPs based on comments received. A web-based data management and mapping system that includes well construction information and available water level and water quality records for wells within the Piru and Fillmore basins remains available on the agency website, as are numerous technical references relating to the basins and development of the GSPs.

New Monitoring Wells – Staff is helping coordinate land access agreements with area landowners in opportune locations for new monitoring wells funded by a DWR Technical Support Services (TSS) grant. Staff is assisting with the preparation of a monitoring plan and other grant submittal documents as part of the TSS grant agreement with DWR.

Mound Basin Groundwater Sustainability Agency (MBGSA)

Staff continue to participate in MBGSA activities supporting SGMA compliance and GSP development for the Mound basin, as follows:

Board of Directors meetings

The MBGSA Board held a regular meeting on November 18. Notable topics included:

- Executive Director Bryan Bondy provided an update concerning the monitoring wells through DWR’s Technical Support Services (TSS) grants program for GSP development and implementation. A preconstruction meeting was held on November 2. Mr. Bondy is working with DWR to finalize the TSS agreement. After this is completed, DWR would like to perform construction of the planned monitoring wells near the coastline south of Ventura Harbor in December.
- A Public Hearing was held during the regular Board meeting to allow public comments and to consider adoption of the GSP. After the Public Hearing, the Board passed Resolution 2021-03 adopting the GSP for Mound basin.

The next regular MBGSA Board meeting is scheduled for December 16, at 1:00 pm.

GSP preparation – The Draft GSP was posted on the agency website on June 23. Following public comment and revisions to the GSP by MBGSA staff, a Final Draft GSP was prepared and made available to the public on October 21. The Final Draft GSP will be submitted to the California Department of Water Resources following completion of some non-substantive edits to the document, in accordance with MBGSA Board Resolution 2021-03.

Agenda Item: 7. Update on Groundwater Sustainability Agencies (GSAs) and Sustainable Groundwater Management Act (SGMA)
Information Item

Page 4

Santa Paula Basin Technical Advisory Committee (TAC)

Staff continue to participate in the Santa Paula basin TAC in support of the Santa Paula Basin Judgment and in conformance with SGMA reporting requirements for adjudicated basins, as follows:

The Technical Working Group of the TAC is scheduled to meet in the fall; however, a specific date and time have not yet been selected. The Technical Working Group is expected to discuss the Triggers Analysis and finalization of the draft 2020 Santa Paula Basin Annual Report.