# UPPER VENTURA RIVER GROUNDWATER AGENCY MINUTES OF SPECIAL MEETING MARCH 25, 2021

The Board meeting was held via teleconference, in accordance with California Executive Order N-25-20. Directors present were Bruce Kuebler, Larry Rose, Emily Ayala, Susan Rungren, Pete Kaiser, and Chair Diana Engle. Also present: Executive Director Bryan Bondy, Agency Counsel Keith Lemieux, and Administrative Assistant Maureen Tucker.

# ON-LINE OR TELECONFERENCE: DIAL-IN (US TOLL FREE) 1-669-900-6833 Find your local number: https://zoom.us/u/adtDC72htH JOIN BY COMPUTER, TABLET OR SMARTPHONE: https://zoom.us/j/91607155032?pwd=RIBKQWUrR2o1TzR3S0xlSFZTV1hXUT09 Meeting ID: 916 0715 5032 Passcode: 823009

# 1) CALL TO ORDER

Chair Engle called the meeting to order at 1:02 p.m.

# 2) PLEDGE OF ALLEGIANCE

Chair Engle led the Pledge of Allegiance.

# 3) ROLL CALL

Executive Director Bondy introduced Pete Kaiser, Director, Casitas Municipal Water District, who is attending as Casitas's new UVRGA Alternate Director.

Executive Director Bondy called roll.

Directors present: Bruce Kuebler, Larry Rose, Susan Rungren, Pete Kaiser, Emily Ayala, Chair Diana Engle.

Directors absent: Glen Shephard

Public: Burt Handy, Steve Slack, Ben Pitterle, Bert Rapp, Paul Jenkins, and Abhishek Singh

# 4) APPROVAL OF AGENDA

Chair Engle asked if there are any proposed changes to the agenda. Executive Director Bondy said there are no changes recommended by staff.

Director Kuebler moved agenda approval. Director Rungren seconded the motion.

Roll Call Vote:	B. Kuebler – Y	L. Rose – Y	E. Ayala – Y
	S. Rungren – Y	P. Kaiser - Y	D. Engle - Y

Absent: G. Shephard

Noes: None.

# 5) PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA

Chair Engle asked if there are any public comments on items not appearing on the agenda.

No public comments were offered.

### 6) ADMINISTRATIVE ITEMS

# a. Comment Letter - California Department of Fish and Wildlife Draft Instream Flow Regime Recommendations for the Lower Ventura River, Ventura County.

Executive Director Bondy explained that the Board asked him to prepare a brief comment letter addressing the California Department of Fish and Wildlife (CDFW) Draft Instream Flow Regime Recommendations. He offered to review the draft comment letter with the Board, if desired.

Chair Engle asked for Director's questions.

Director Kaiser asked if the second comment is speaking about climate change. Executive Director Bondy said no and explained that the comment is addressing the different flow volumes in wet versus dry versus normal rainfall years.

Public Comments:

Ben Pitterle, Santa Barbara Channelkeepers, said he did not have a strong opinion, but wanted to make two minor points. First, he agrees habitat is important, but feels that the report is focused on flow, thus, he is not sure the first comment in the letter is needed. Second, he agrees that interannual variability in flow exists, but he does not believe flow recommendations need to be made for dry versus wet years.

Paul Jenkins, Surfrider, said he did not have any specific comments. He said CDFW's use of many methods and data sources makes it hard to understand where the recommendations come from and what they mean. He feels his thoughts align with the third comment in the UVRGA draft letter.

Chair Engle thanked Mr. Pitterle and Mr. Jenkins for their comments.

Chair Engle asked for Director edits or comments:

Director Kaiser - Good letter, no problems.

Director Rose – Nothing to add.

Director Kuebler- Good job, captures the essence of his concerns.

Director Ayala – Recommended adding a sentence at the end about being a public agency and finding solutions. Executive Director Bondy suggested "*As a public agency in the watershed, we look forward to working toward a sustainable future that balances the needs of all water users.*" Director Ayala agreed with the proposed sentence.

Director Rungren - Good letter and agreed with Director Ayala's recommendation.

Director Engle – No comments.

Director Kaiser moved to direct the Executive Director to submit the comment letter as amended. Seconded by Director Ayala.

Roll Call Vote:	B. Kuebler – Y	L. Rose – Y	E. Ayala – Y
	S. Rungren – Y	P. Kaiser - Y	D. Engle - Y

Absent: G. Shephard

Noes: None.

# 7) GSP ITEMS

# a. Groundwater Modeling Results (Grant Category (d); Task 11: GSP Development and Preparation)

Executive Director Bondy gave a presentation addressing the following topics:

- GSP development schedule;
- Sustainable Management Criteria development status and schedule;
- 50-yr future surface water and groundwater budgets, including projected climate change effects;
- 50-year streamflow and groundwater level projections, including projected climate change effects;
- Pumping effects on groundwater levels; and
- Overview of the Chronic Lowering of Groundwater Levels & Groundwater Storage sustainability indicators.

The presentation slides are attached to these minutes for the record.

The Directors asked clarifying questions and offered comments on the charts during the presentation.

Executive Director Bondy explained that the Water Code language concerning the Chronic Lowering of Groundwater Levels sustainability indicator conflicts with how DWR is applying the concept of undesirable results in their GSP reviews. He cited language from the OBGMA's alternative GSP review as an example. His conclusion is that the GSP will need to address any undesirable results (URs) caused by pumping, even during a drought. He added that potential URs would be related to groundwater dependent ecosystems (GDEs) in the Casitas Springs and/or Kennedy Areas. Rincon Consultants is analyzing potential significant and unreasonable effects on GDEs. He said the Board should provide feedback on this issue because it is a threshold question.

The Board discussed the Chronic Lowering of Groundwater Levels sustainability indicator.

During the discussion, Chair Engle asked for public comments.

Public comments:

Burt Handy asked a clarifying question that Executive Director Bondy responded to.

Paul Jenkins commented that GDEs are important for habitat, including providing shade for the stream.

After further discussion, the Board decided to continue the discussion, pending presentation of the GDE analysis. Executive Director Bondy said that he hopes to present the GDE information during the April 8 Regular Board Meeting.

# 8) FUTURE AGENDA ITEMS

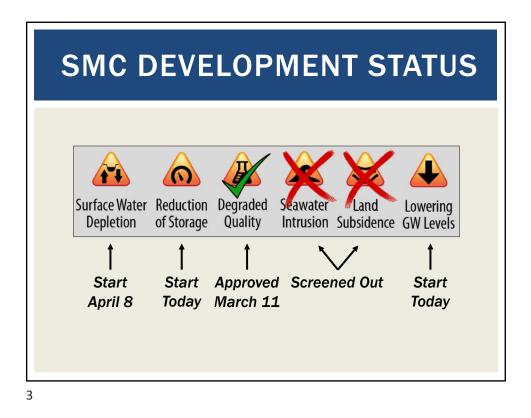
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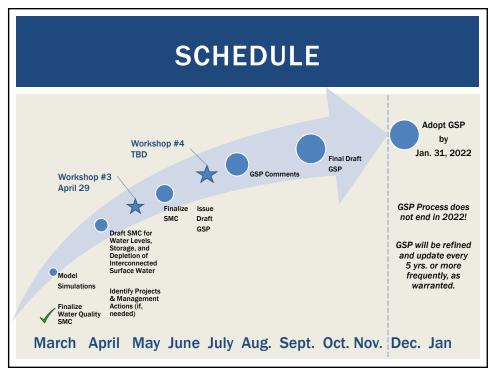
# 9) ADJOURNMENT – The meeting was adjourned at 4:05p.m.

Action:						
Motion:			Second:			
B.Kuebler	D.Engle	R. Hajas	S.Rungren	G.Shephard	E.Ayala	L.Rose

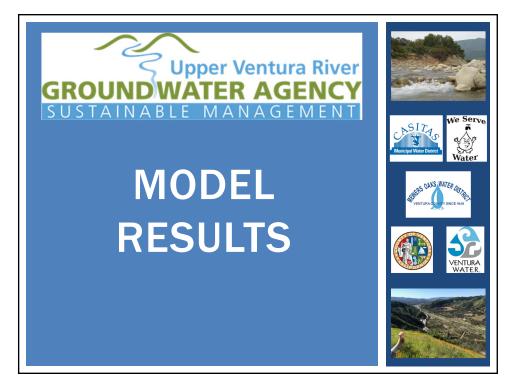


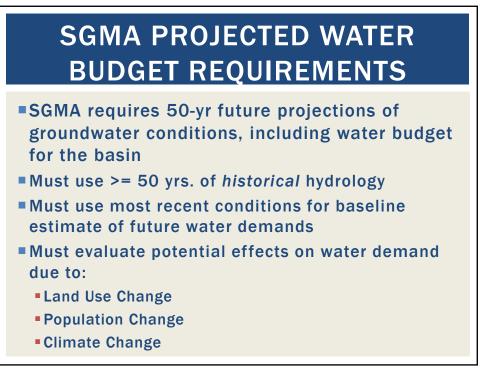




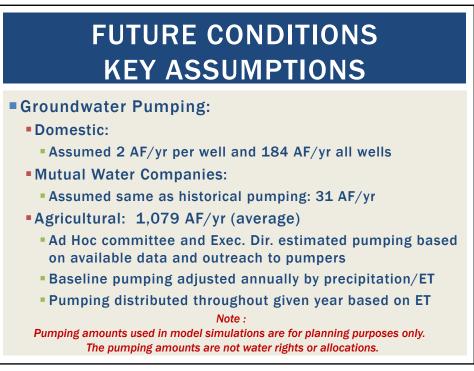




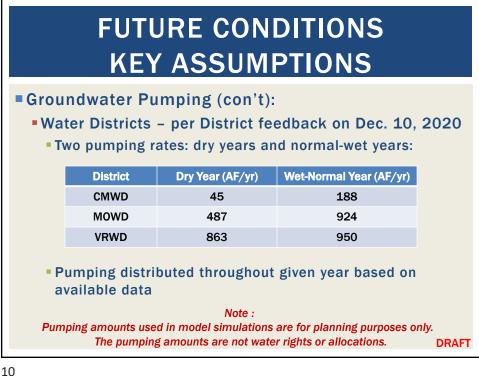


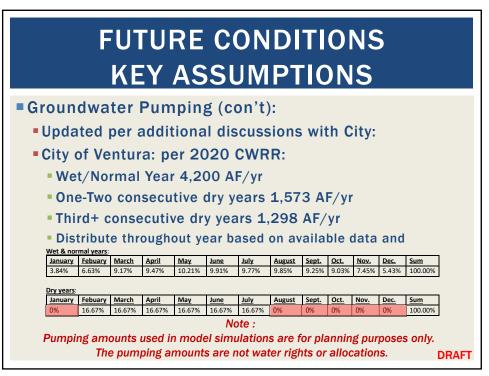


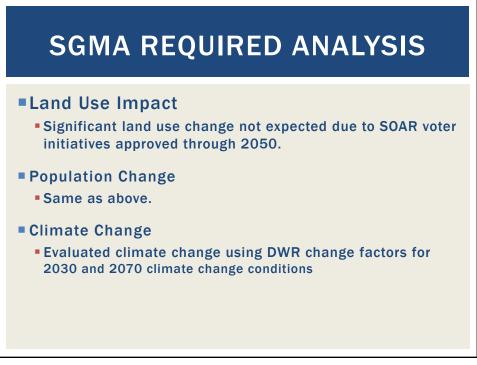
# **FUTURE CONDITIONS** (ACCOUNT OF A CONDITIONS) (ACCOUNT OF A CONDITIONS) (ACCOUNT OF A CONDITIONS) **Hydrology 1970 - 2019 is proxy for future conditions Several wet-dry cycles Precipitation average similar to long-term average Includes 1985 Wheeler and 2017 Thomas Fires**

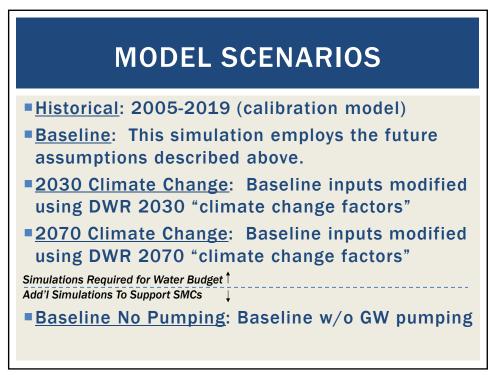


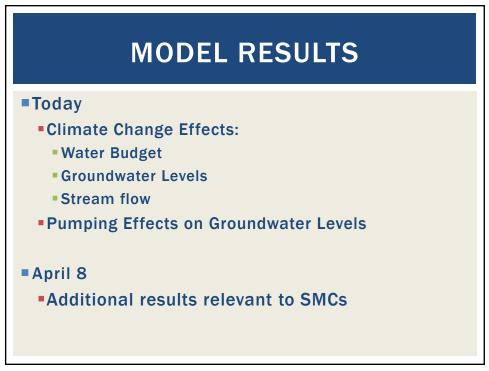


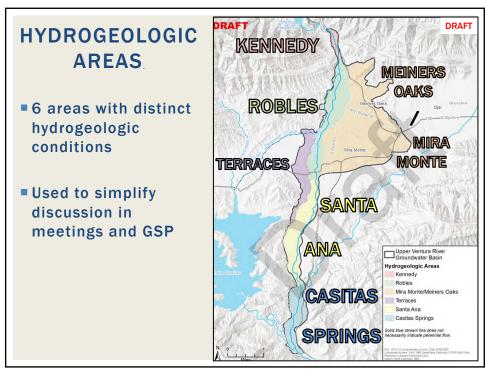


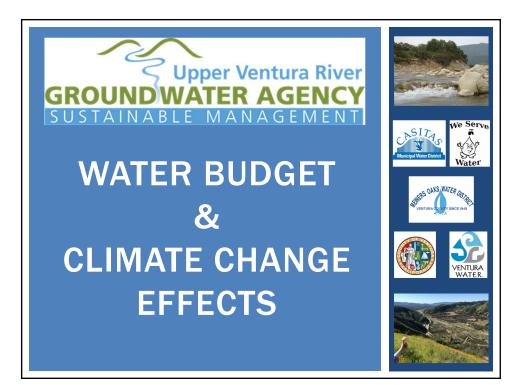


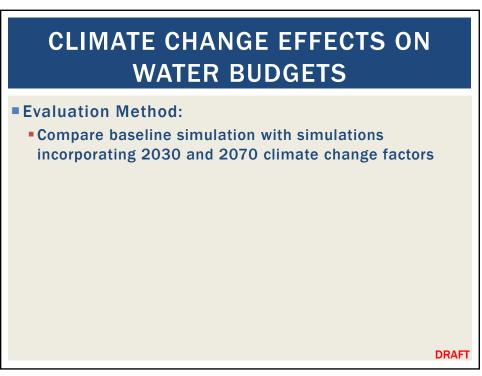


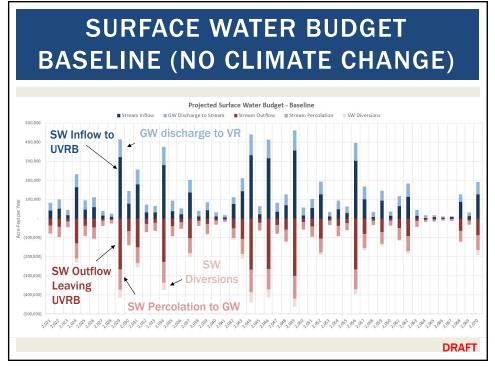


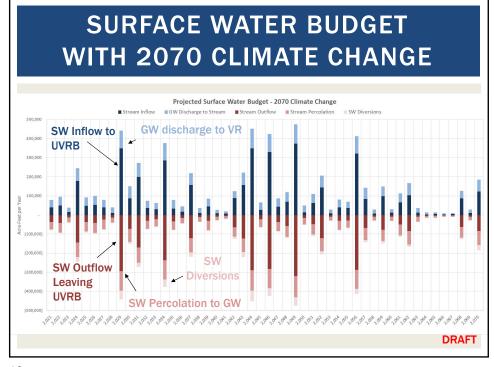


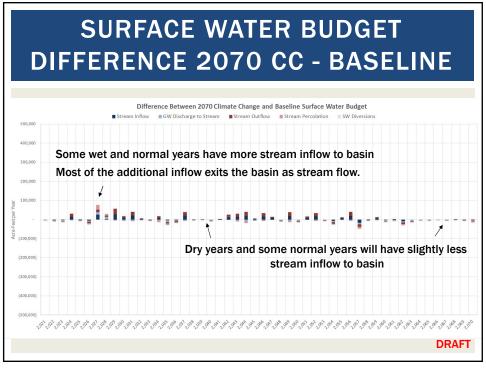


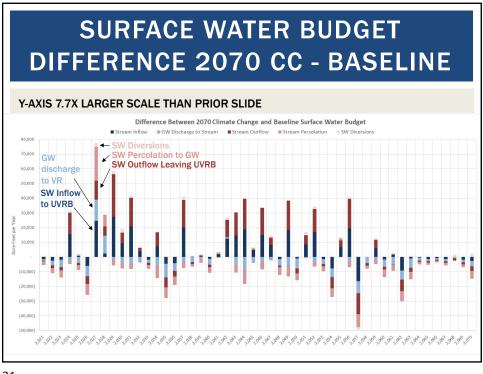


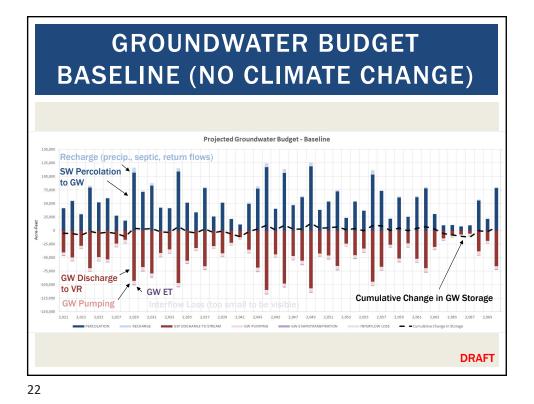


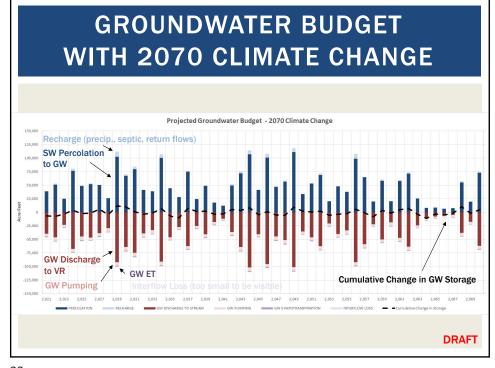


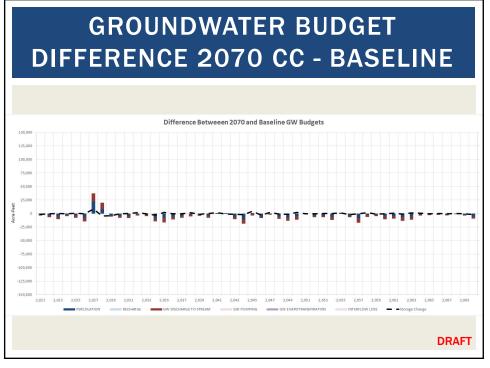


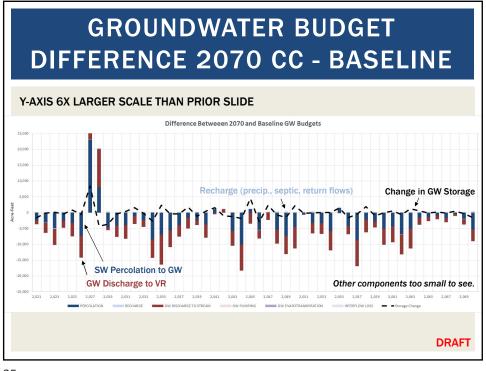


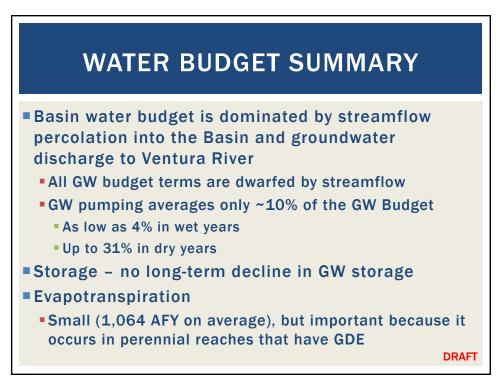








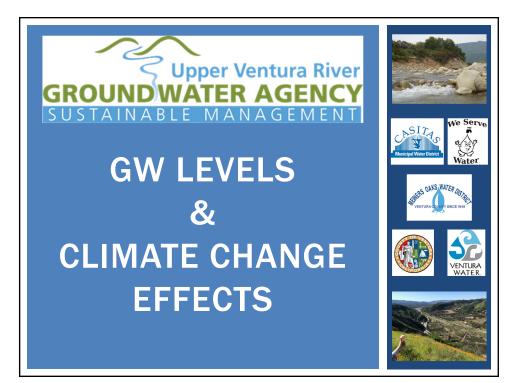


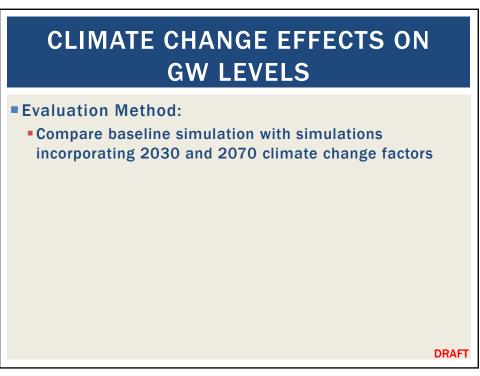


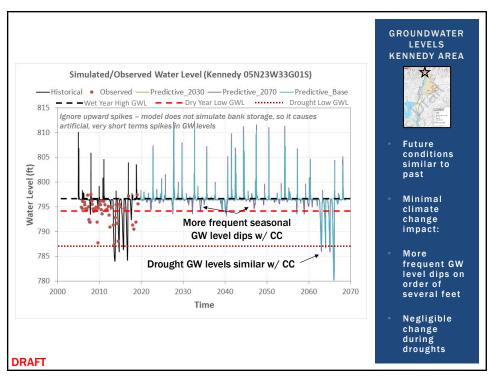
# SUMMARY OF CLIMATE CHANGE EFFECTS ON WATER BUDGET

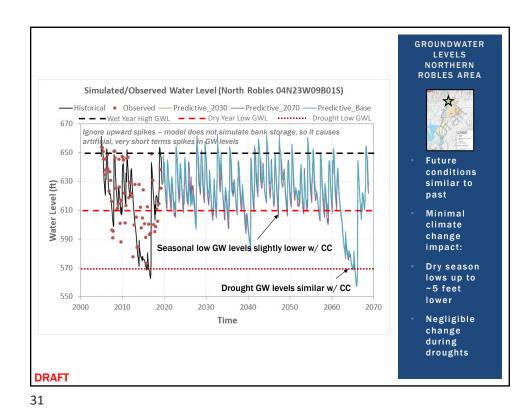
- Some wet and normal years have more stream inflow to basin, but most of increased inflow simply flows out the Basin during storms.
- Some normal year and most dry years will have less inflow resulting in less percolation and less surface water outflow
- Groundwater storage will have larger swings
  - Basin GW levels will be lower in dry seasons, but Basin will still re-fill in normal to wet years

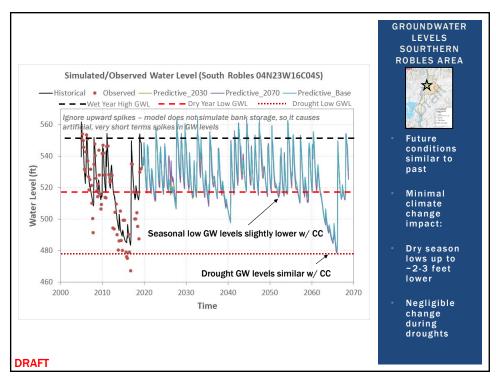
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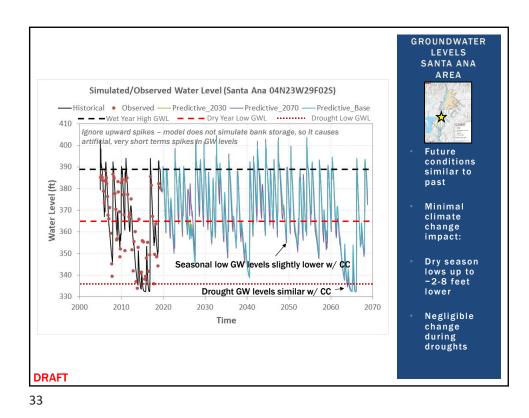


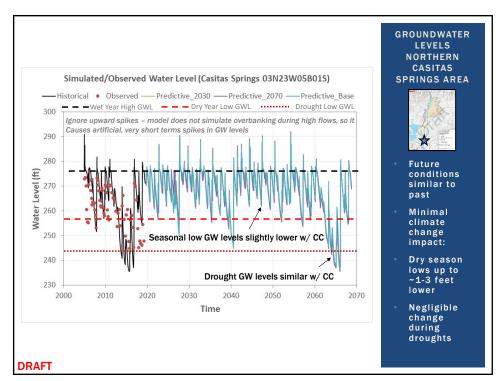


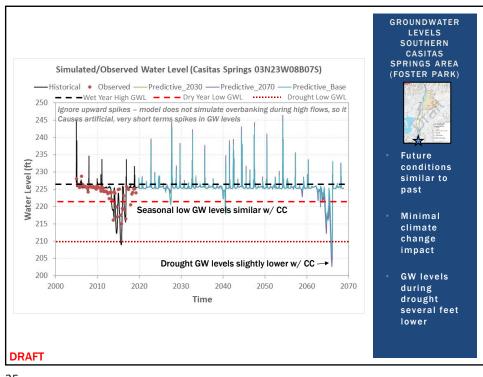


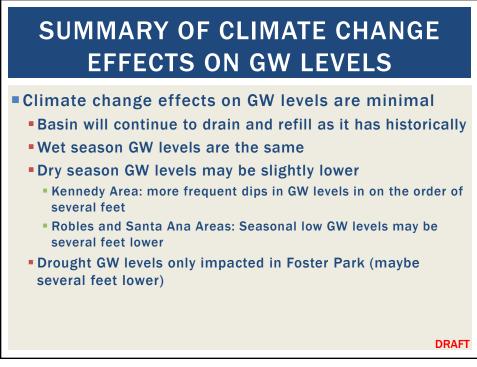


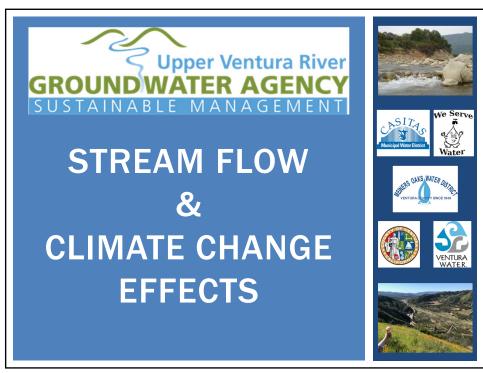


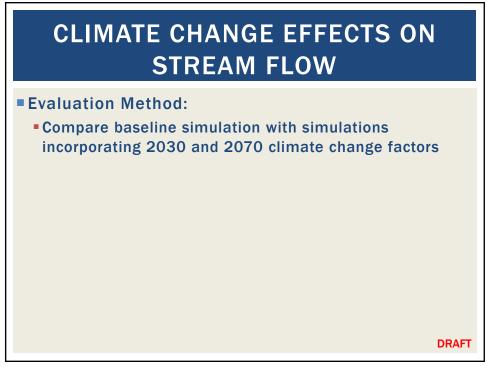


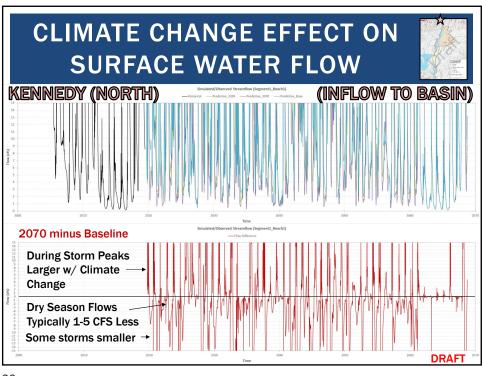


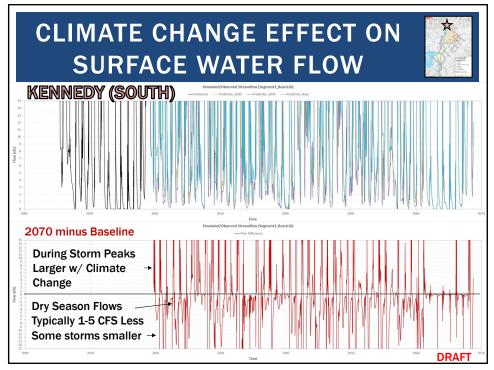


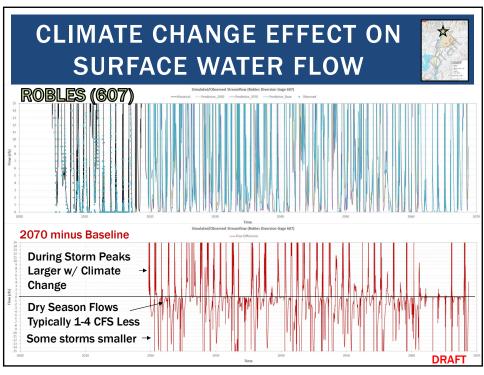


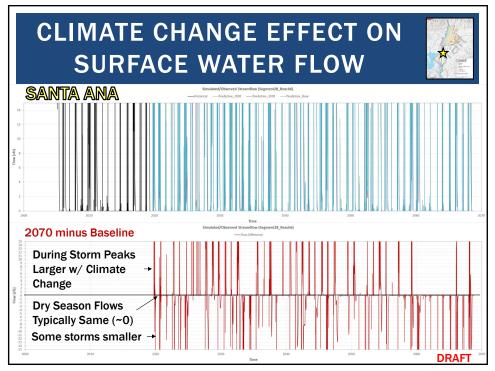


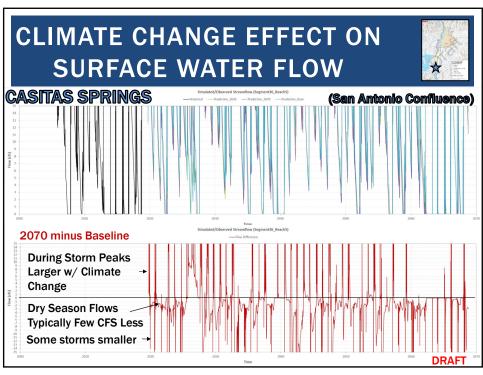


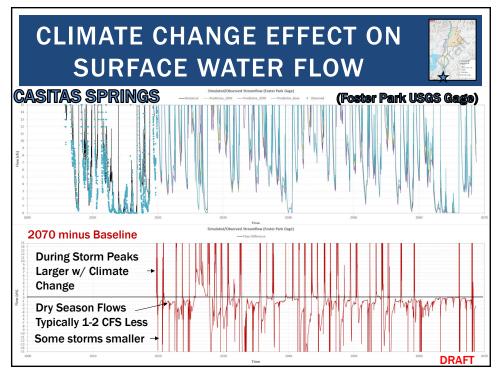


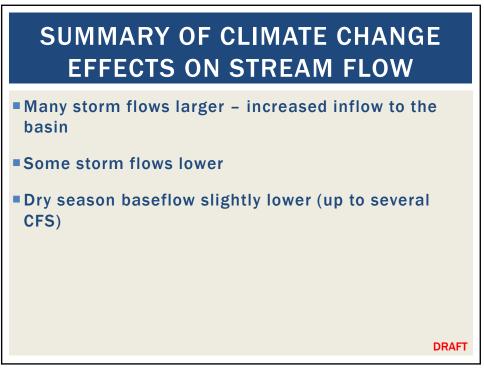


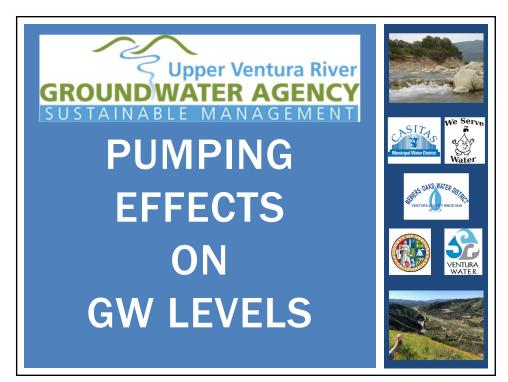


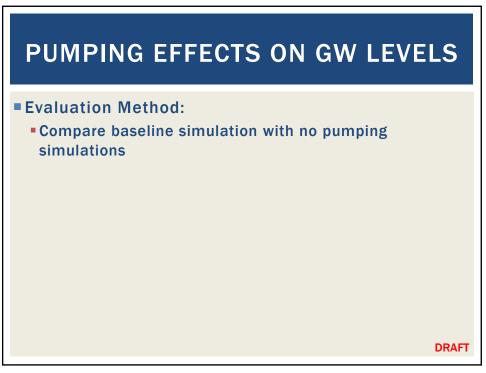


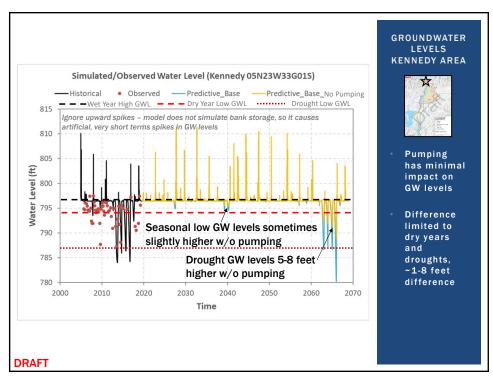


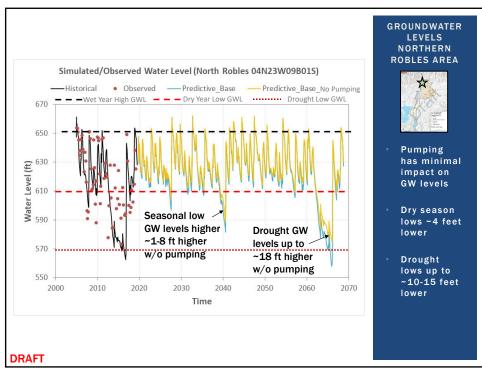




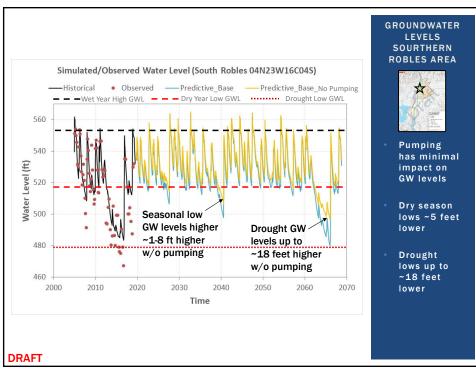




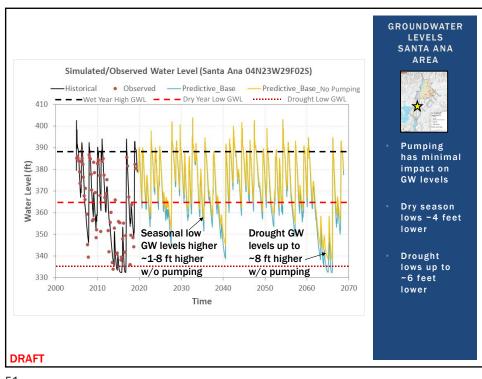




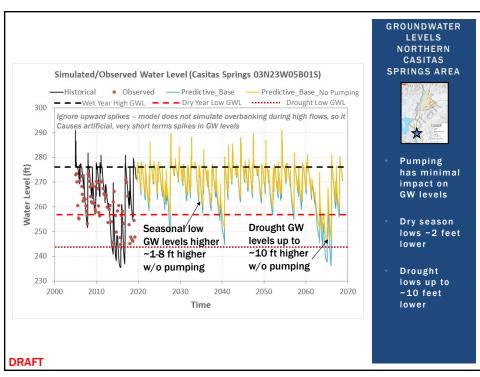




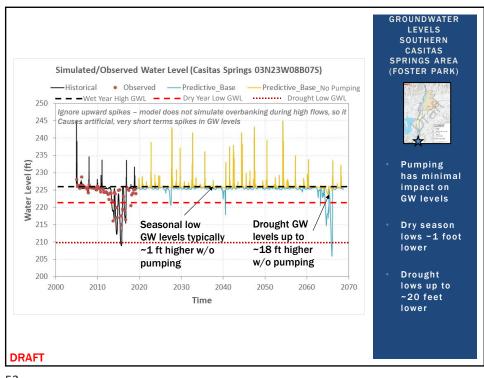




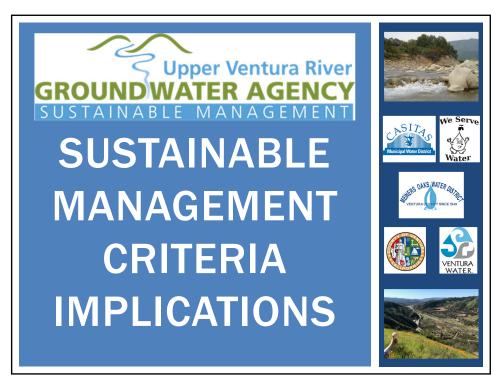








# SUMMARY OF PUMPING EFFECTS ON GW LEVELS Basin GW levels are dominated by streamflow patterns Pumping is a secondary signal in the GW levels Wet season GW levels are the same Dry season GW levels Kennedy Area typically the same Robles and Santa Ana Areas ~1-8 ft higher Foster Park typically ~1 ft higher Drought GW levels differences Up to ~18 feet higher without pumping Largest pumping effects in areas with GDEs



# CHRONIC LOWERING OF GROUNDWATER LEVELS

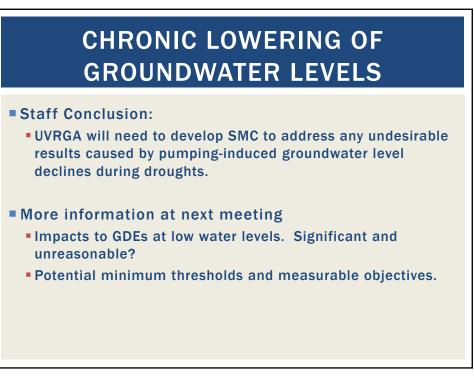
Undesirable Result (Water Code §10721):
 <u>Chronic</u> lowering of groundwater levels indicating a significant and unreasonable depletion of supply if continued over the planning and implementation horizon. Overdraft during a period of drought is not sufficient to establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods.



- Basin fills and drains in sync with rainfall patterns
- No chronic lowering of groundwater levels is indicated in the historical record of projections of future groundwater conditions.
- Over pumping occurs temporarily during drought when inflows are almost entirely eliminated
- Basin has very limited storage to buffer pumping drawdown during drought, resulting in GW level declines, esp. in Kennedy & FP Areas which have GDEs
- However, GW levels recover fully & quickly post-drought and temporary GW level declines during drought alone are not an indicator or chronic lowering.

# CHRONIC LOWERING OF GROUNDWATER LEVELS

- Based on the foregoing, one possible conclusion is that Chronic Lowering of GW Levels is not applicable to the Basin.
- However, review of DWR's OBGMA alternative review findings indicates that GSAs must evaluate whether URs occur during temporary periods of low GW levels:
  - "Even assuming that groundwater levels and storage recover during wetter periods...that notion is not a substitute for a determination by the Agency to demonstrate that undesirable results have been avoided during times when groundwater levels and the associated groundwater in storage have declined without adequate evidence."



# REDUCTION OF GROUNDWATER STORAGE Minimum Threshold (GSP Emerg. Regs §354.28): The total volume of groundwater that can be withdrawn from the basin without causing conditions that may lead to undesirable results. Directly correlated with groundwater levels Will develop based on SMC for Chronic Decline of Groundwater Levels

