Groundwater Committee Meeting

September 12, 2019

"A vision must be much more than a project, even a big project."

Congressman Robert S. Walker, Final Frontier magazine, 1989



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Agenda Items 1 through 3

- 1. PUBLIC COMMENT
- 2. APPROVAL OF THE AGENDA
- 3. APPROVAL OF THE MINUTES

4. Groundwater Sustainability Plans

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FCGMA Has Released Draft GSPs for Stakeholder Comment

- July 16—Draft GSPs shared on FCGMA web page
 - Oxnard basin (550 pages, 15 appendices)
 - Pleasant Valley basin (440 pages, 15 appendices)
 - Las Posas Valley basin (360 pages, 11 appendices)
- July 24—60-day comment period opened
- Aug 21 & 22—FCGMA's GSP "workshops"
- Sept 23—Comment period closes
- Dec 13—Adoption of GSPs to be considered

United Staff Thoughts on Draft GSPs:

- 1. Good descriptions of hydrogeologic conditions in basins
- 2. Best available science was used to develop water budgets, forecast future impacts
 - groundwater models developed by United and Calleguas
- 3. Overall results are consistent with United's and FCGMA's message for the past several decades:
 - Groundwater pumping exceeds recharge, resulting in drawdown of groundwater levels. This causes:
 - Wells to go dry
 - Seawater intrusion along the coast
 - Water quality challenges (nitrate and chloride)
- 4. Seawater intrusion is the primary driver for Oxnard, PV, and WLP basin minimum thresholds
- 5. Short list of new water-supply projects included in GSPs

Freeman Diversion United Freeman iversion Expansion = 5,000 AFY mport SWP Water from CMWD = 1.762 AFY United ASAP Project Ventura SWP + Cal Water Fix Interconnection = 7,000 AFY = 2,000 AFY (net effect) **Potential** Fallowing = 500 AFY Projects to Oxnard Recycled Water (GREAT) Phase 1 = 5,000 ÁFY Fallowing = Return to Phase 2 = 6,000 AFY Status Quo Shift pumping away from coas Hueneme = 2,000 AFYPacific Ocean Brackish Water NBVC Ext. & Treatment = 15,000 AFY Pt. Mugu 0½1 2 3 4 5

Specific Concerns of Significance:

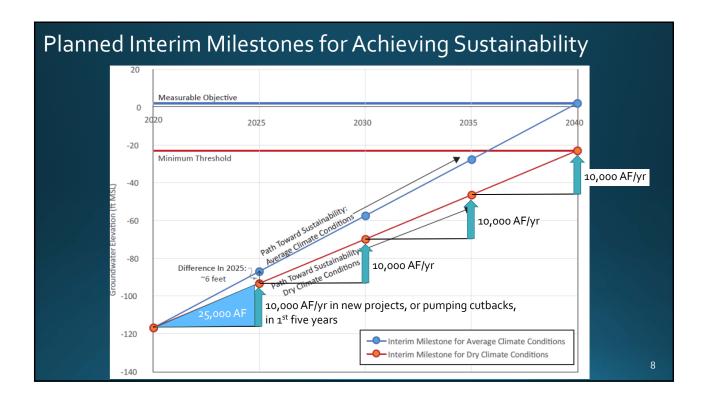
 Depiction of Santa Clara River in Forebay area as a Groundwater Dependent Ecosystem

Aiming for groundwater levels to be "above minimum threshold 50% of the time"

 Potential for analysis to be excessively conservative as a result of repeating 1945-65 dry period (driest 20-yr period in last 720 years)

4. Should the interim milestones be linear?



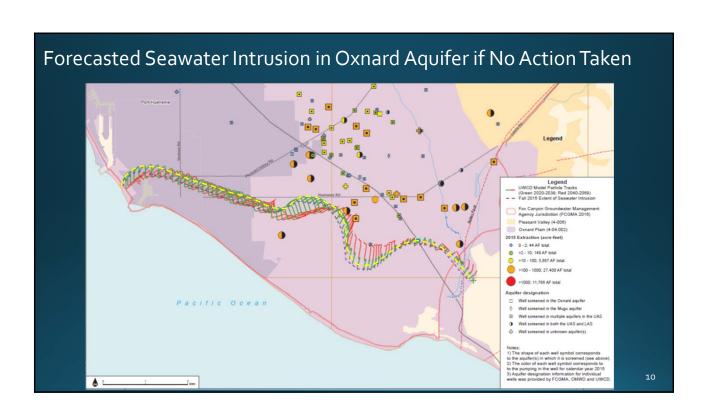


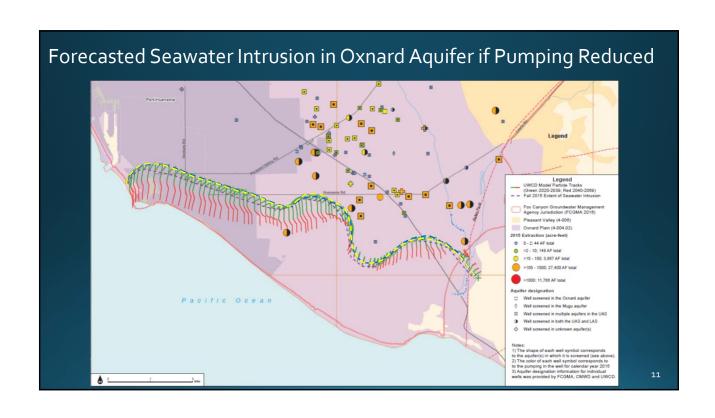
What are the Economic Impacts of Replacing or Eliminating 25,000 AF of Groundwater Use Over the Next 5 Years?

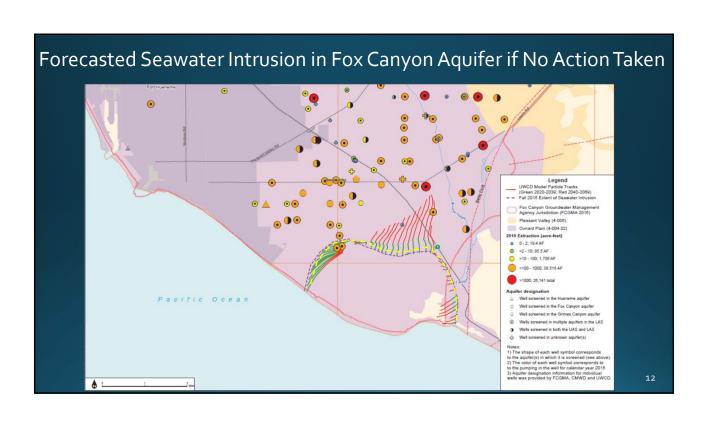
If replaced by GREAT water at \$3,100/AF: \$77,500,000 more than groundwater If replaced by SWP imports at \$1,500/AF: \$25,000,000 more than groundwater

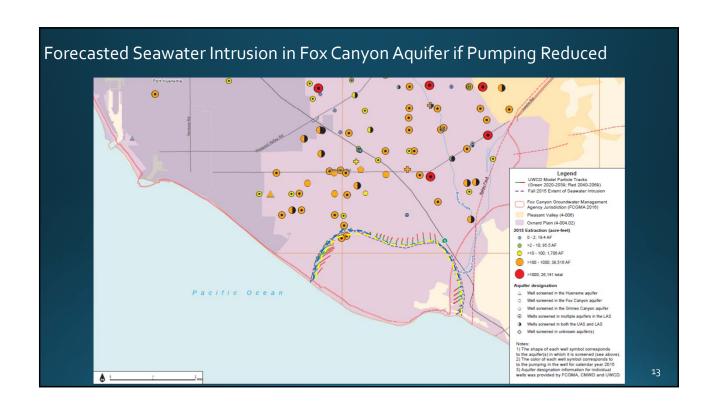
Area of fallowed farmland: 2,000 acres on average; 4,000 acres total by Year 5

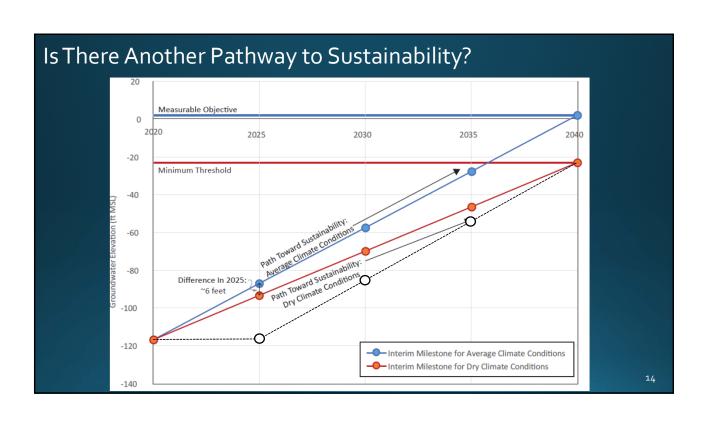
- 30,000 to 60,000 tons of produce, with a crop value of \$30 to \$60 million
- \$60 to \$120 million total economic impact to Oxnard Plain











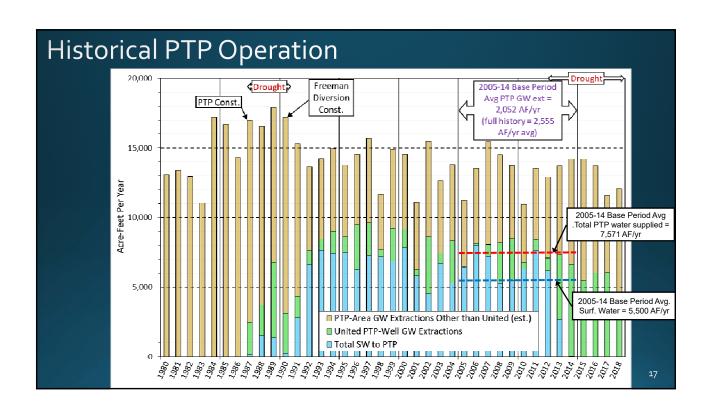
5. FCGMA Proposed Allocation Ordinance

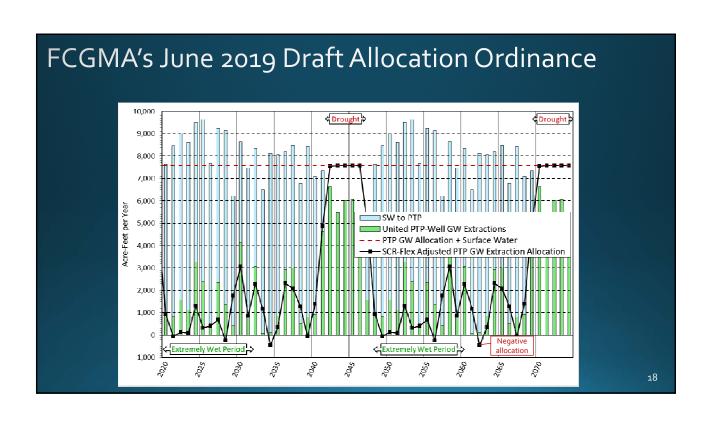
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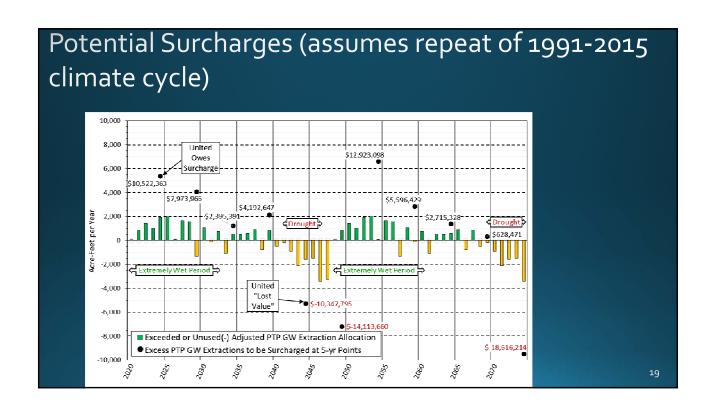
Two OPV Allocation-Ordinance Issues Remaining

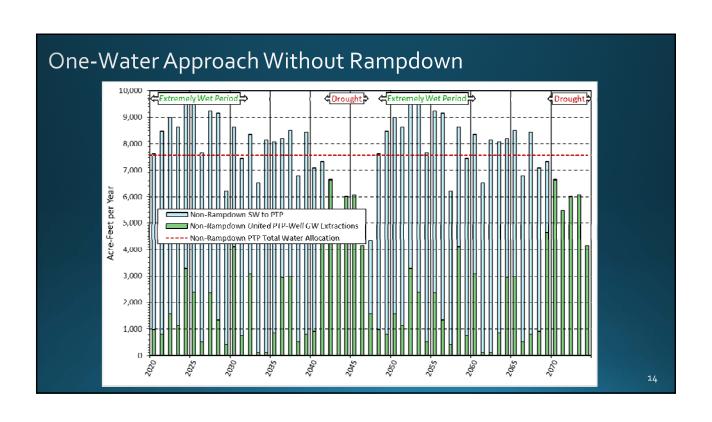
- Allocation carryover transfers requested by private well owners
- "SCR Flex Allocation"--Two possible approaches noted by FCGMA staff:
 - Provide minimum and maximum to United's extraction allocation
 - "One-water" approach

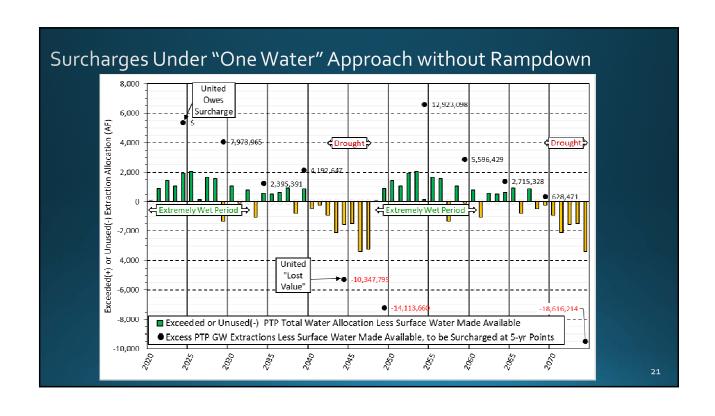
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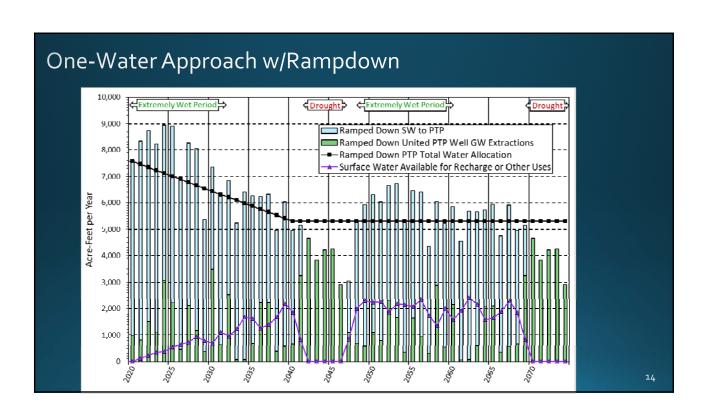


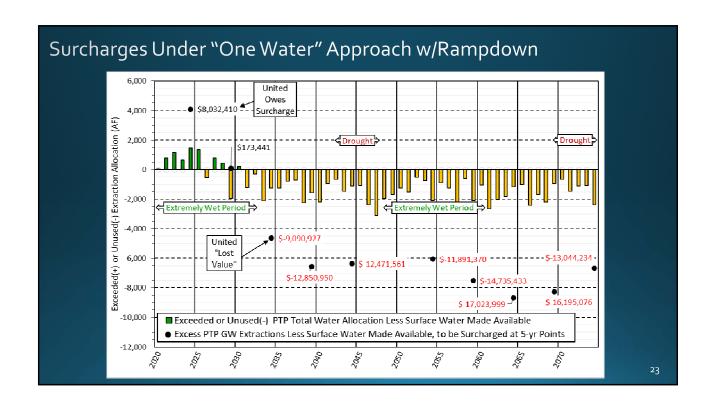


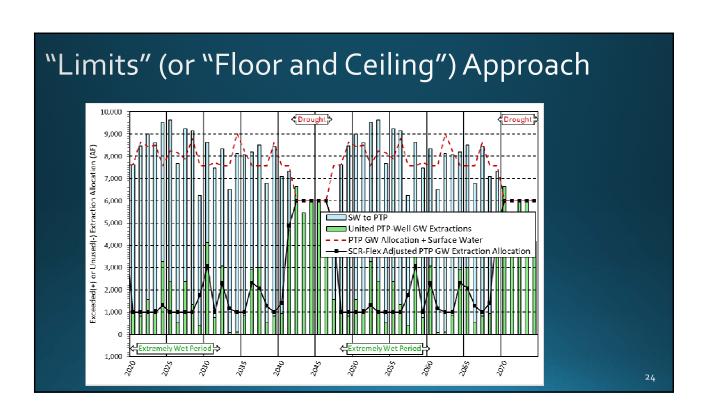


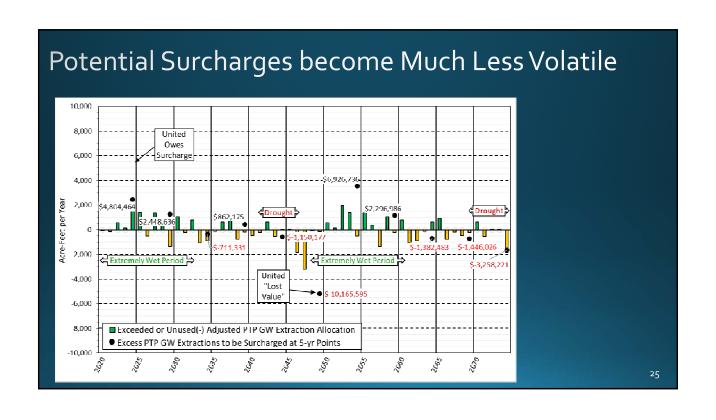


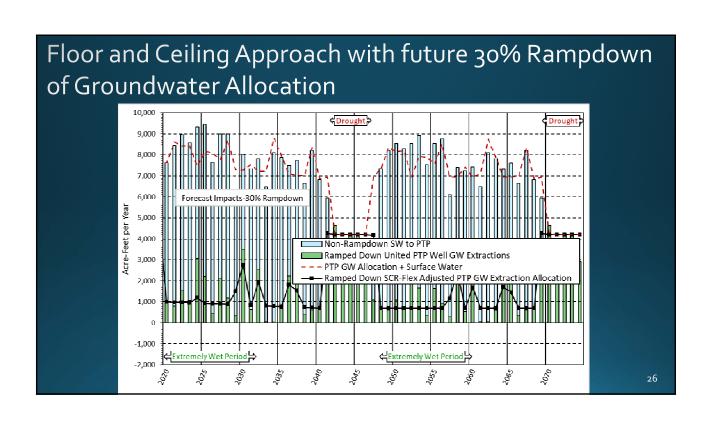


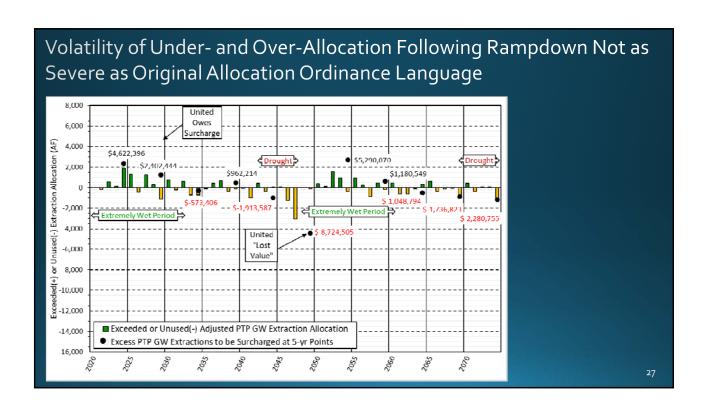






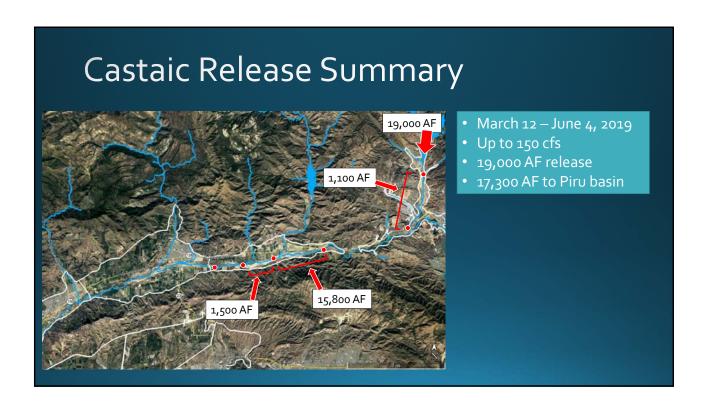


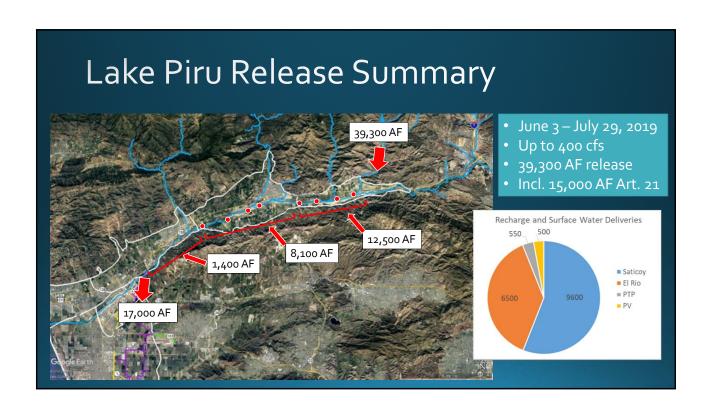


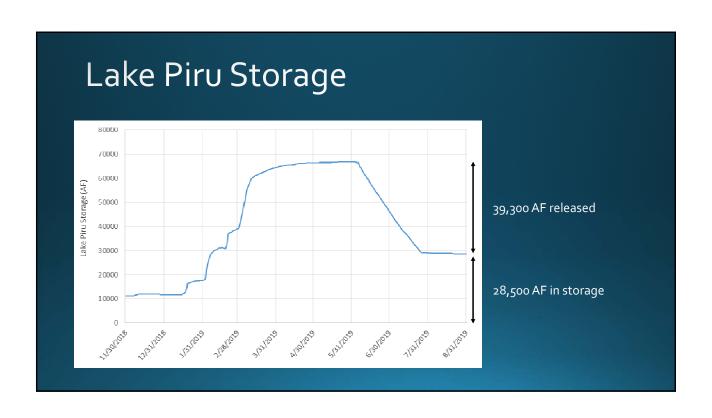


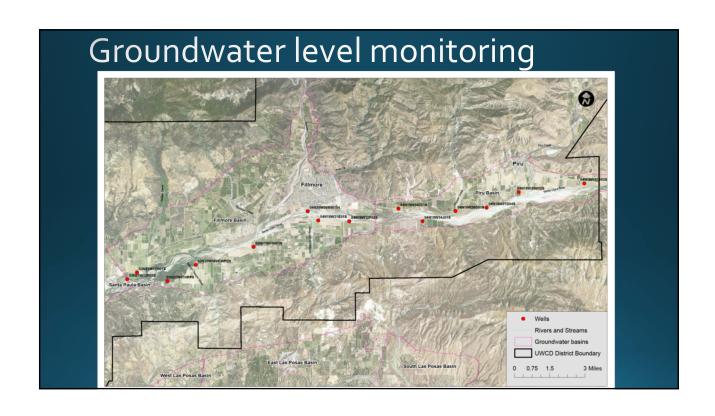
6. Conservation Release Updates

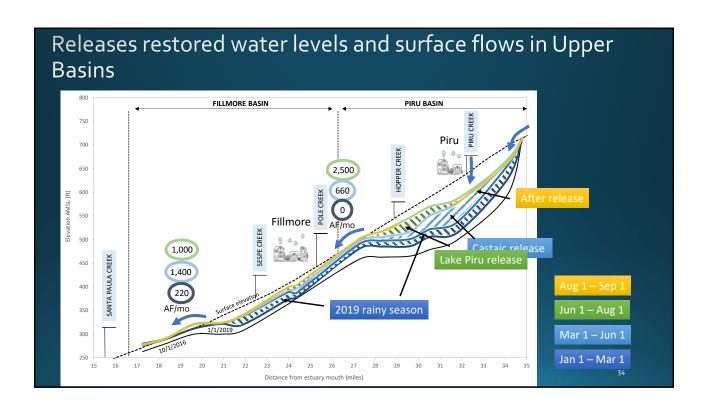
2019 WY above Normal Precipitation and Runoff Sufficient water for significant releases Santa Clara River at Freeman diversion (1944-2019) 10,000,000 10,000,000 Above average rainfall (~130%) Higher than normal runoff

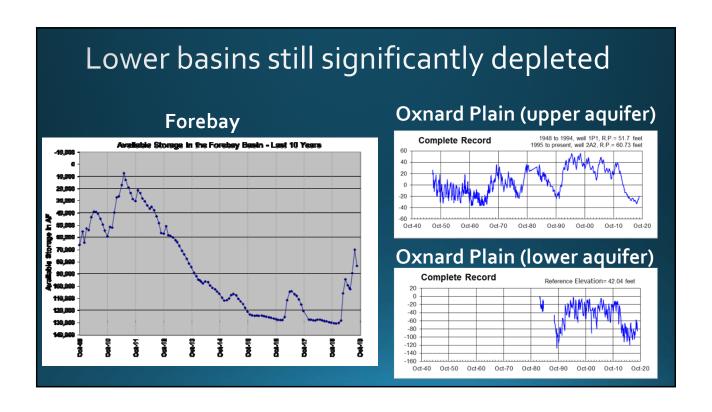


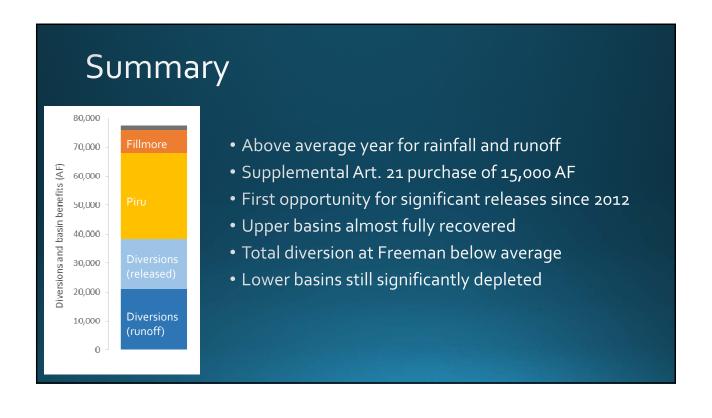




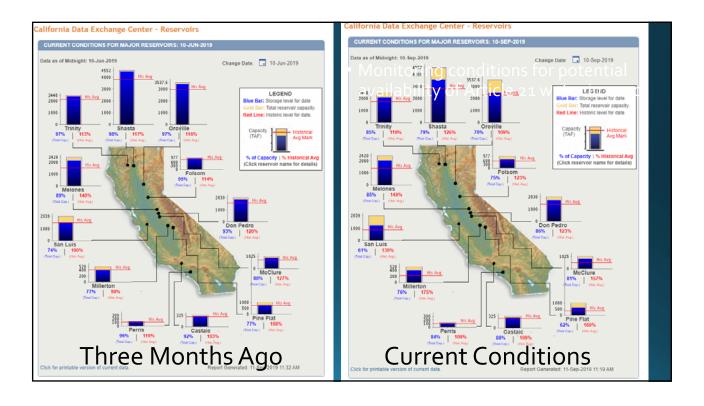


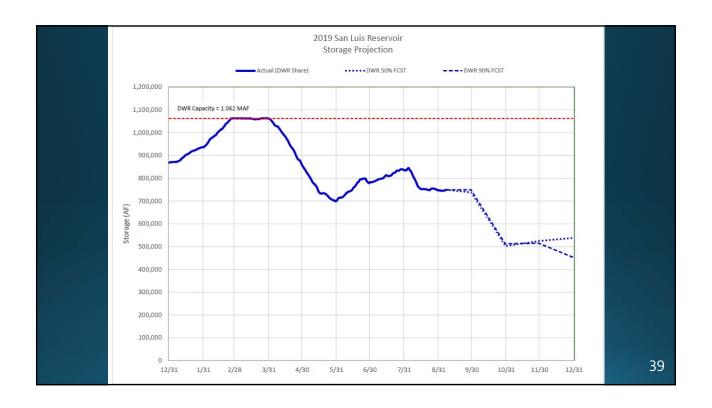






7. Alternative Water Resources









9-11. Update on Activities of:

- Mound Basin GSA
- Fillmore and Piru Basins GSA
- Santa Paula Basin TAC

12. FUTURE AGENDA ITEMS My idea is....

