

# A quick summary of SB 552 Plan effort...

- SB 552 requires Counties to plan for drought proactively:
  - Assess drought risk to Rural Communities
  - Plan response actions
  - Focus is on State Small Water Systems (14 or fewer connections) and domestic wells
- Plan be completed over remainder of Autumn 2022,
   Public Draft expected in December

## A quick summary of SB 552 Plan effort...

- August 19, we introduced plan and kicked off stakeholder engagement efforts
- September 16, we discussed Drought Risks and Tracking Measures
- October 21, we are discussing Drought Response Actions (we are here)

## Drought Response Actions

Big picture – when droughts occur, what are the most effective actions the County can take to respond to water shortages?

Drought Stage	Tracking Measure			
	GW decline	Dry Wells Reports	Current Year Hydrology	Response Actions
1	<15 ft	<4	> 80% of ave. SJR runoff	Baseline Actions
2	15-30 ft	5-10	50-80% of ave SJR runoff	Moderate Actions
3	>30 ft	>11	<50% of ave. SJR runoff	Severe Actions

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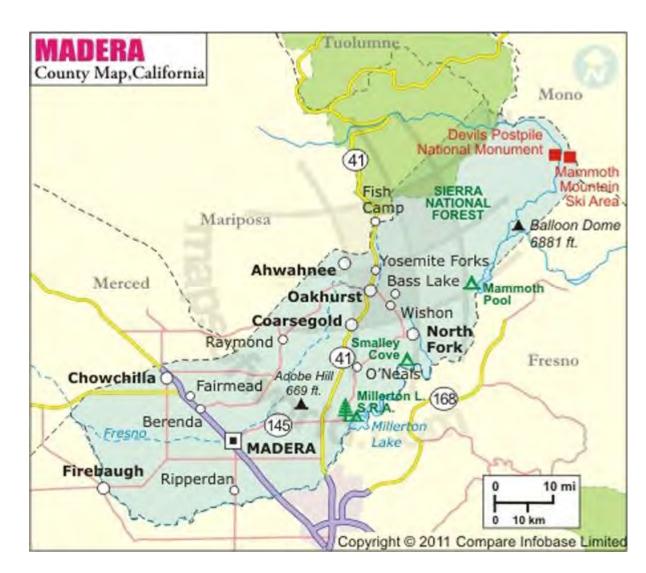
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Options for the geographic focus of Response

Actions

- Option 1: Board of Supervisors Districts
- Option 2: Census Block Groups
- Option 3: Radius
   Around Flagged
   Criteria Using GIS



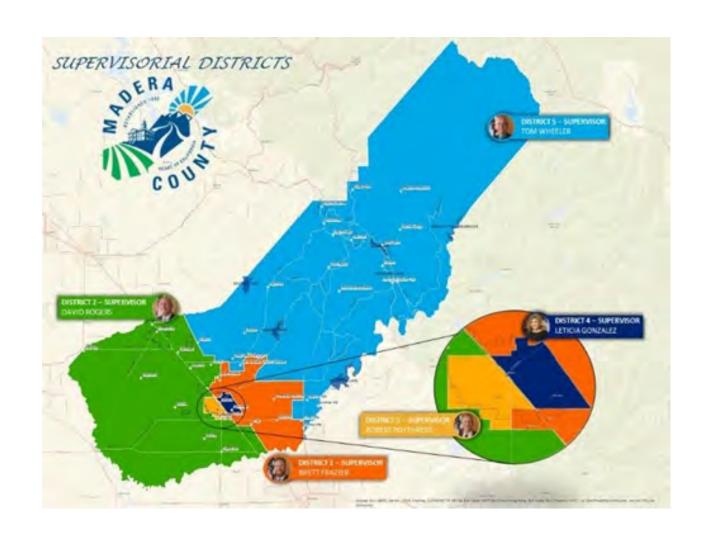
## Geographic focus Option 1: BoS Districts

### Pros:

- Constituent contact information is available
- Loosely corresponds with foothills, Madera City, & valley east & west of SR-99

### Cons:

Geographically coarse



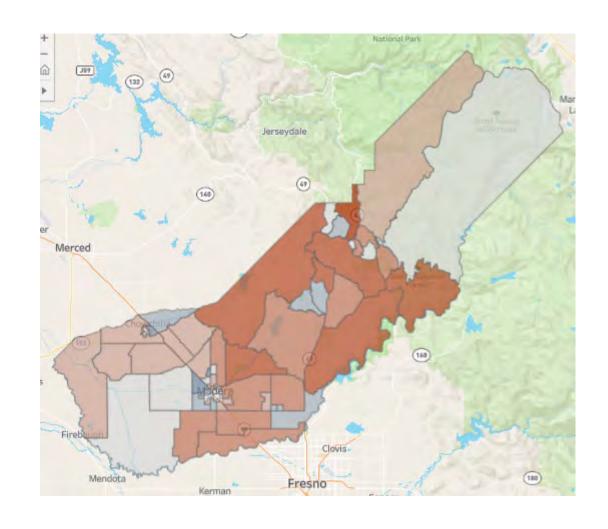
# Geographic focus Option 2: Census Block Groups

### Pros:

- Geographically specific
- Demographic information is available

### Cons:

 Constituent contact information is not readily available



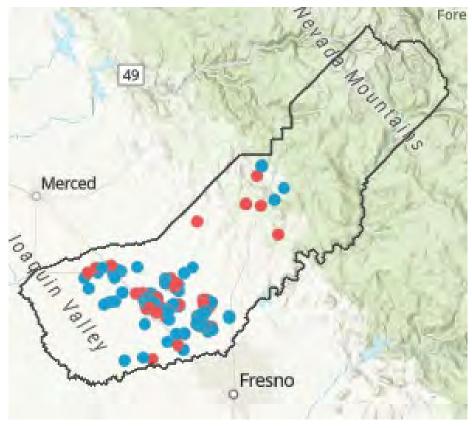
# Geographic focus Option 3: Radius around flagged criteria using GIS

### Pros:

Very geographically specific

### Cons:

- Requires greater implementation effort by County
- Constituent contact information is not readily available



Dry well reports in Madera County, YTD

# Tracking Protocol 1: Groundwater levels change from previous year in alluvial groundwater basins

- Stage 1 Baseline
  - Groundwater levels have increased, remained stable, or declined less than are 15 feet since the previous year
- Stage 2 Moderate Drought
  - Groundwater levels have declined 15 to 30 feet from the previous year.
- Stage 3 Severe Drought
  - Groundwater levels have declined more than 30 feet from the to within 10 feet of known well depths

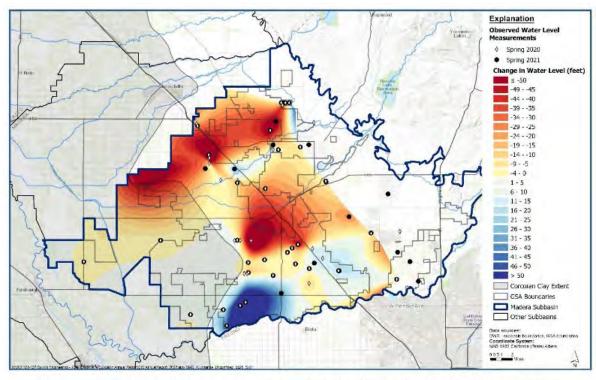
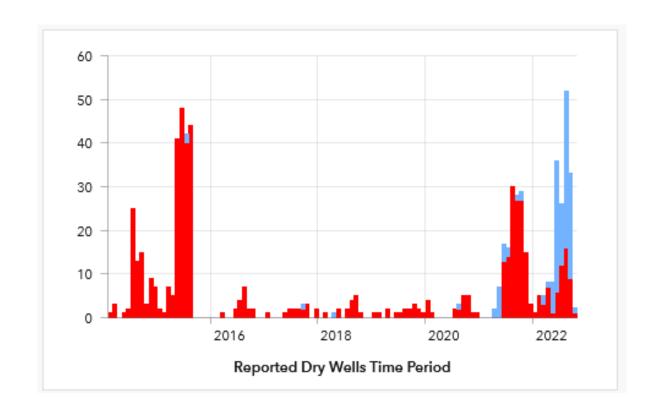


Figure 6-1. Change in Groundwater Level in the Upper Aquifer/Undifferentiated Unconfined Zone – Spring 2020 through Spring 2021.

Source: Madera Subbasin Annual Report 2022

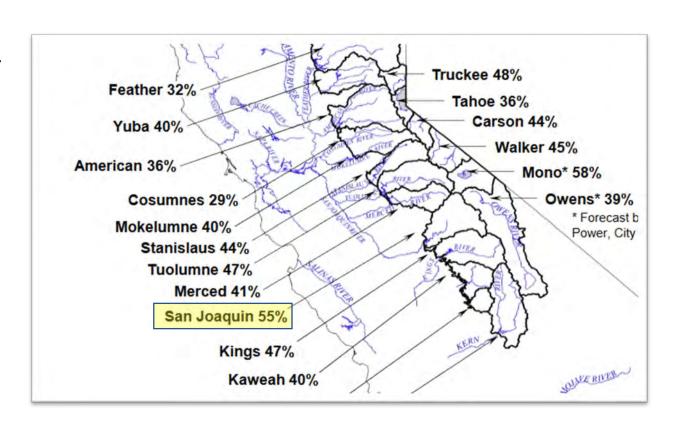
### Tracking Protocol 2: Dry Well Reports

- Stage 1 Baseline
  - 4 or fewer dry well reports are submitted in the County each month
- Stage 2 Moderate Drought
  - 5 10 dry well reports are submitted in the County each month
- Stage 3 Severe Drought
  - 11 or more dry well reports are submitted in the County each month



### Tracking Protocol 3: Current Year Hydrology from Bulletin 120

- Stage 1 Baseline
  - Apr-Jul Unimpaired Runoff (% of historical average) for the San Joaquin River is 80 percent or greater
- Stage 2 Moderate Drought
  - 50 80 % of average
- Stage 3 Severe Drought
  - <50% of average



# Stage 1 – Baseline Response Actions

- Monitoring and tracking protocols
- Coordination w/ GSAs
- Constituent education, especially: resources available, reporting, tenant rights
- Formalize coordination with Self-Help, OES, etc with MOUs
- Well maintenance & education
- Consolidation consideration encourage mutual aid agreements
- Consider updating permit and land use policies
- Update County website

# Stage 2 – Moderate Drought Response Actions

- Initiate actions to access additional State/Federal funding
- Encourage voluntary demand reductions
- Direct outreach to stakeholders
- Implement drinking water solutions through partners: bottled water
   & tank delivery, well repair, etc
- Request County Board emergency declaration

# Stage 2 – Moderate Drought Response Actions (cont.)

- Increase frequency of monitoring in identified high risk areas
- Consider extending well permit review timeline
- Trigger pre-established relationships with NGOs

# Stage 3 – Severe Drought Response Actions

- Work with County Departments and Board of Supervisors to evaluate enforcement of renters' rights by requiring landlords or property managers to address health and safety concerns
- Seek state disaster declaration
- Consider temporary moratorium on new agricultural well permits (while allowing replacement domestic wells)
- Additional targeted outreach and education
- Implement mutual aid agreements as necessary

# Stage 3 – Severe Drought Response Actions (cont.)

- Increase frequency of monitoring in high-risk areas
- Implement water tank delivery programs
- Follow-up and assessment

## Plan implementation: agency roles

### **Sheriff's OES**

Assist in emergency response



- Groundwater monitoring
- Fees fund domestic well mitigation

# Department of Water & Natural Resources

- Lead agency for implementation
- Ongoing monitoring
- Constituent communication
- Coordination with other agencies
- No method to raise funding



#### **DWR**

- Funding/grants
- Maintain data portals



- Deliver emergency water
- Assist with well reporting & stakeholder outreach



# Thank you!

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