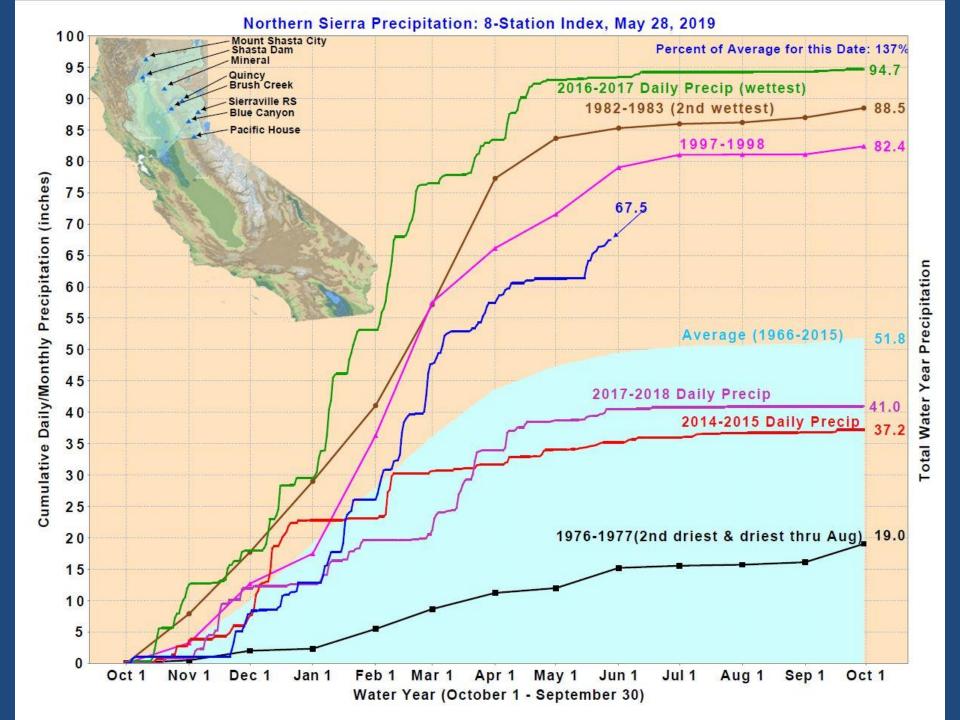
Stanislaus County Water Advisory Committee

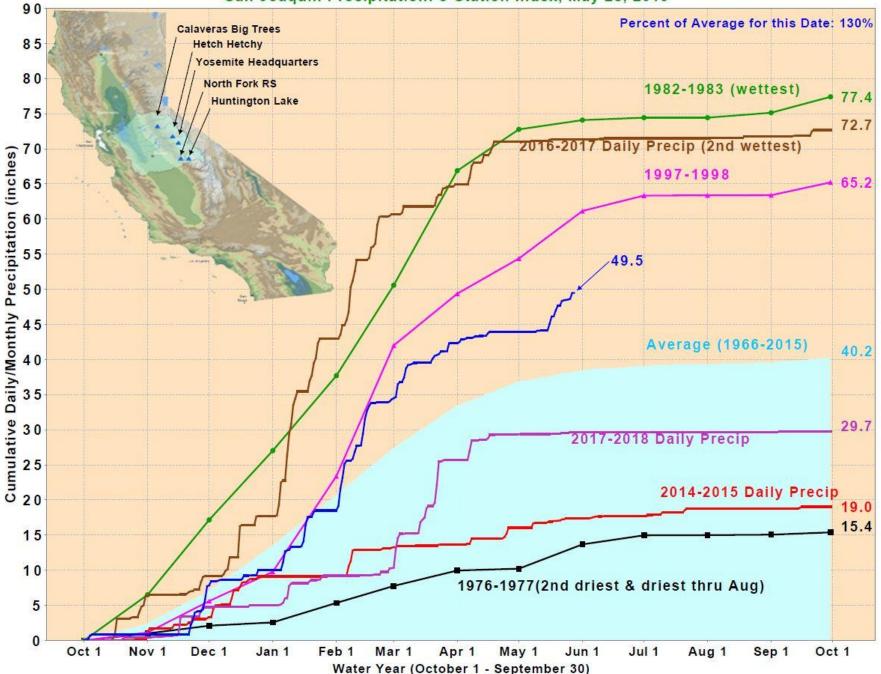
May 29, 2019

# Item VIII: 2019 Hydrologic Conditions and Water Supply Outlook

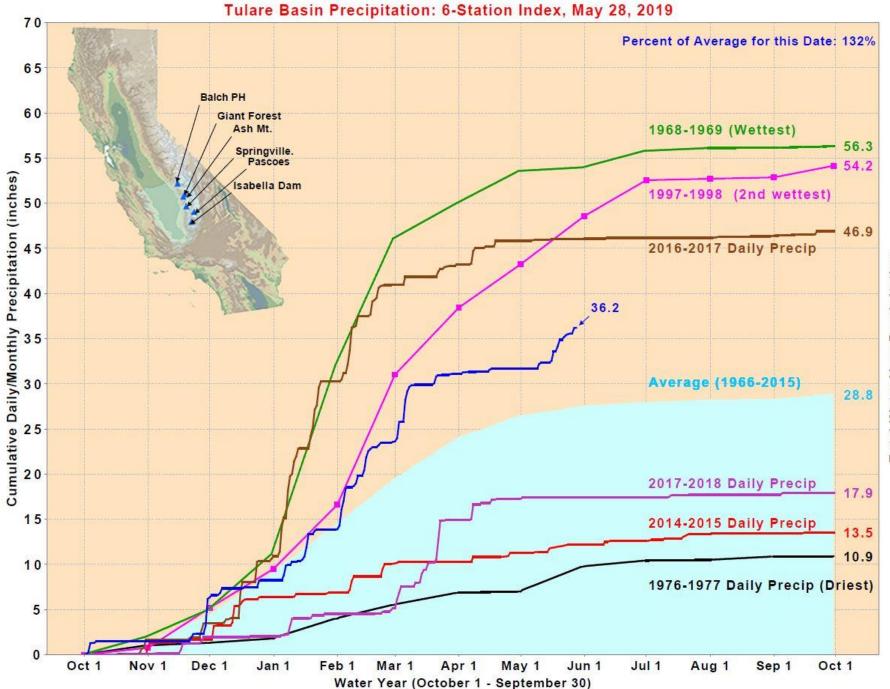




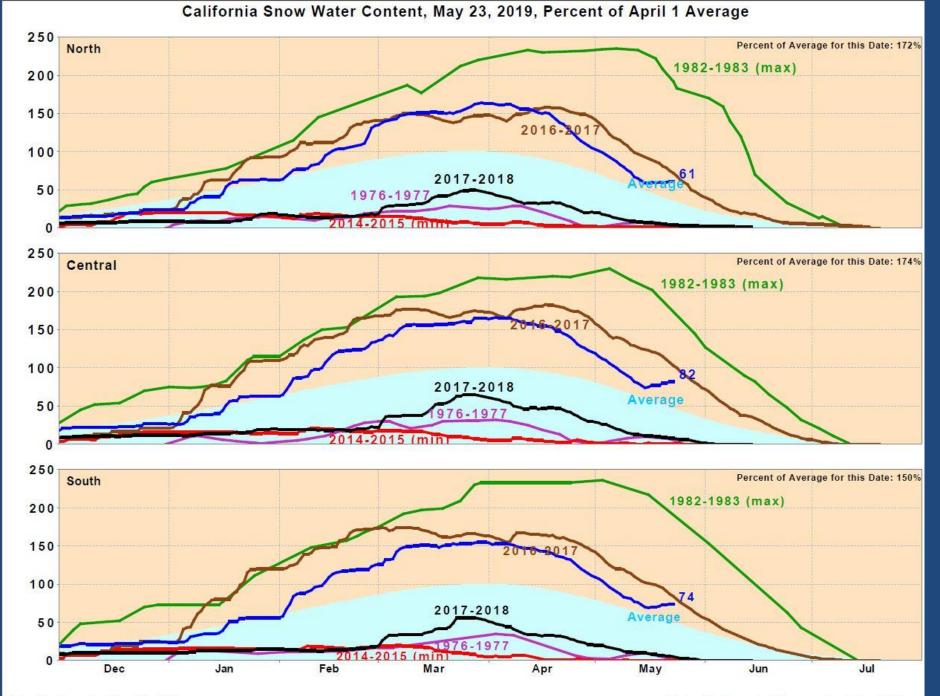
San Joaquin Precipitation: 5-Station Index, May 28, 2019



**Total Water Year Precipitation** 



**Total Water Year Precipitation** 



Statewide Percent of April 1: 73%

Statewide Percent of Average for Date: 164%

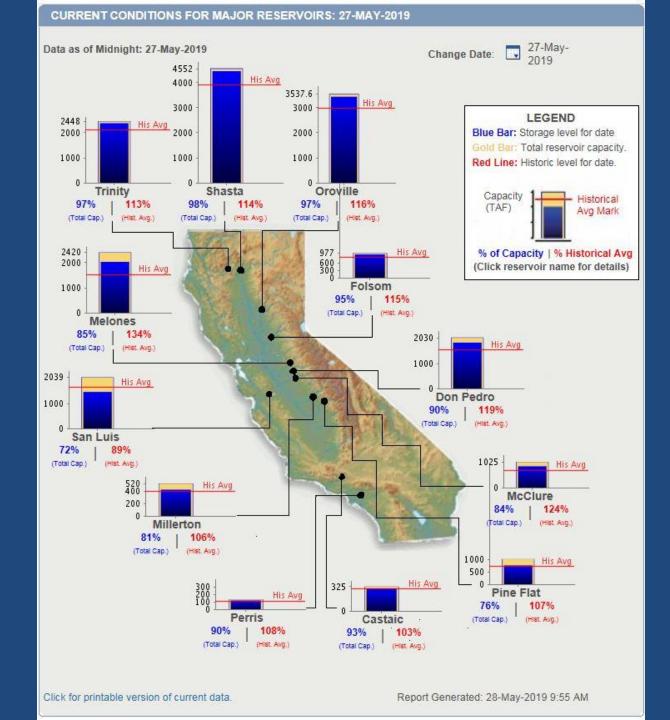
Region	Snow Water Content (inches)	% of Average (Apr 1)	% of Average (May 16)
Northern	17.1	59	127
Central	20.7	75	129
Southern	16.9	69	117
Statewide	18.6	68	123

The snowpack as of the morning of May 23, 2019 stands at the following (based on snow sensors):

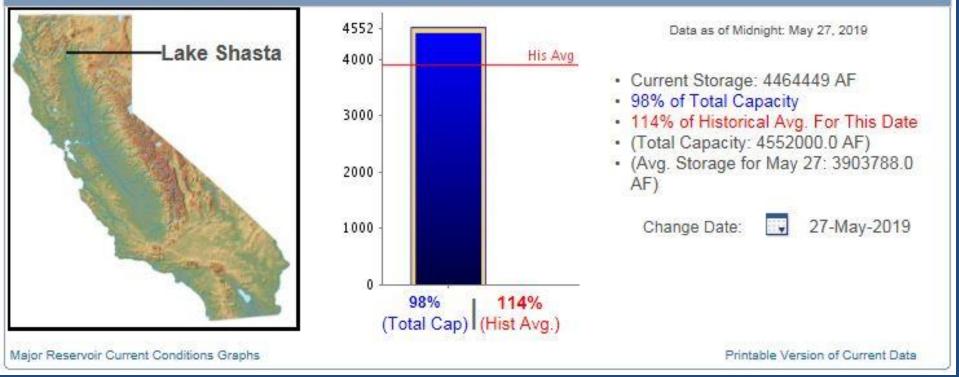
Region	Snow Water Content (inches)	% of Average (Apr 1)	% of Average (May 23)
Northern	17.6	61	172
Central	22.9	82	174
Southern	18.2	74	150
Statewide	20.0	73	164

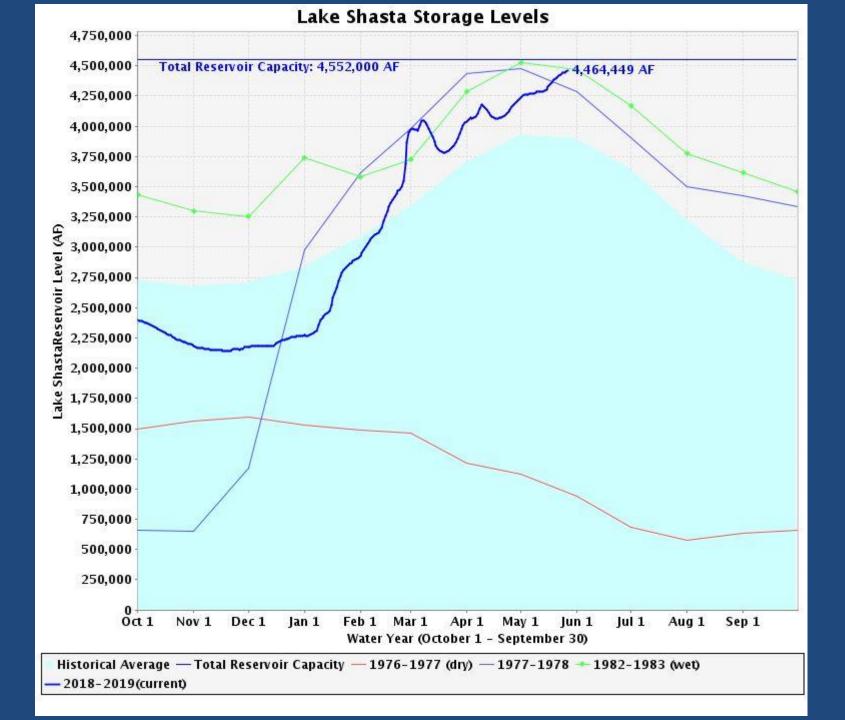
<b>River Basin</b> May 15, 2019	Percent of Historic Average	
Trinity	138	
Shasta Inflow	111	
Sacramento at Bend Bridge	120	
Feather	154	
Yuba	149	
American	144	
Cosumnes	169	
Mokelumne	151	
Stanislaus	158	
Tuolumne	147	
Merced	169	
San Joaquin	150	
Kings	154	
Kaweah	158	
Tule	162	
Kern	186	

<b>River Basin</b> May 23, 2019	Percent of Historic Average	
Trinity	148	
Shasta Inflow	129	
Sacramento at Bend Bridge	140	
Feather	158	
Yuba	140	
American	142	
Cosumnes	205	
Mokelumne	143	
Stanislaus	150	
Tuolumne	138	
Merced	153	
San Joaquin	138	
Kings	142	
Kaweah	150	
Tule	175	
Kern	177	

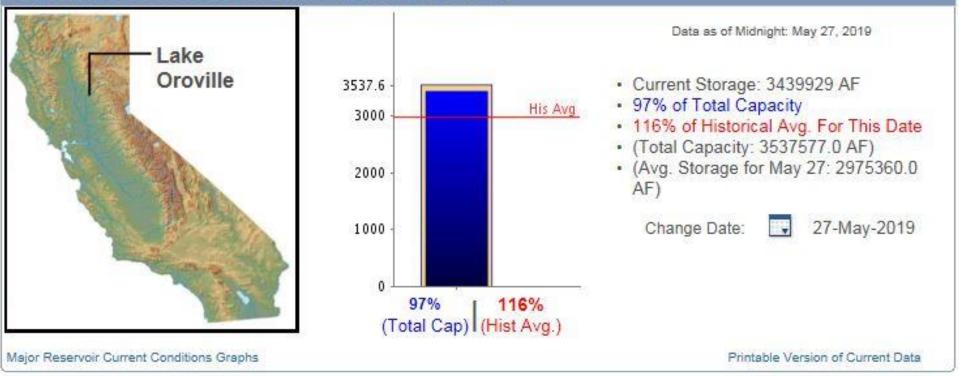


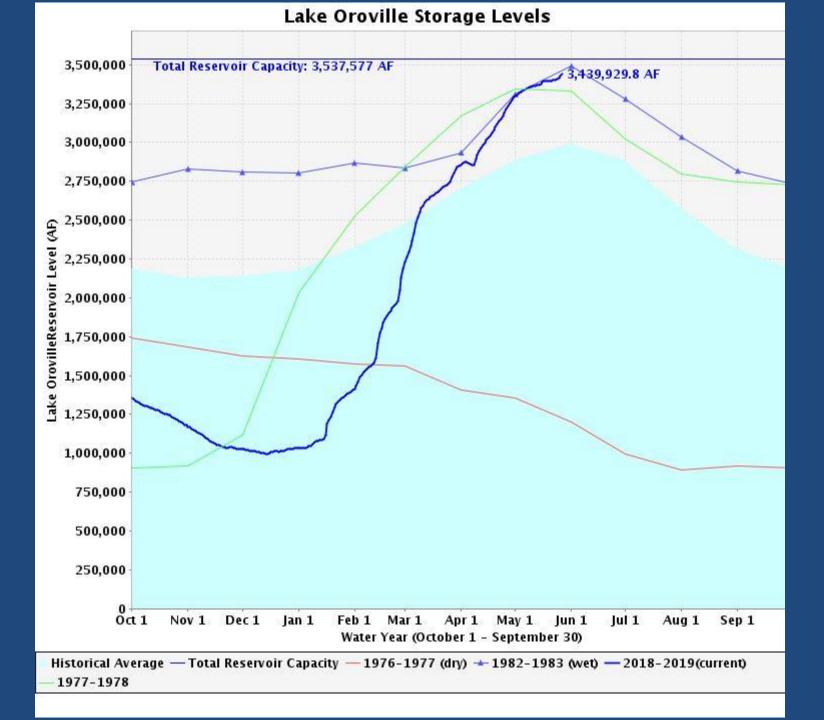
#### SHASTA - STORAGE CONDITIONS AS OF MAY 27, 2019

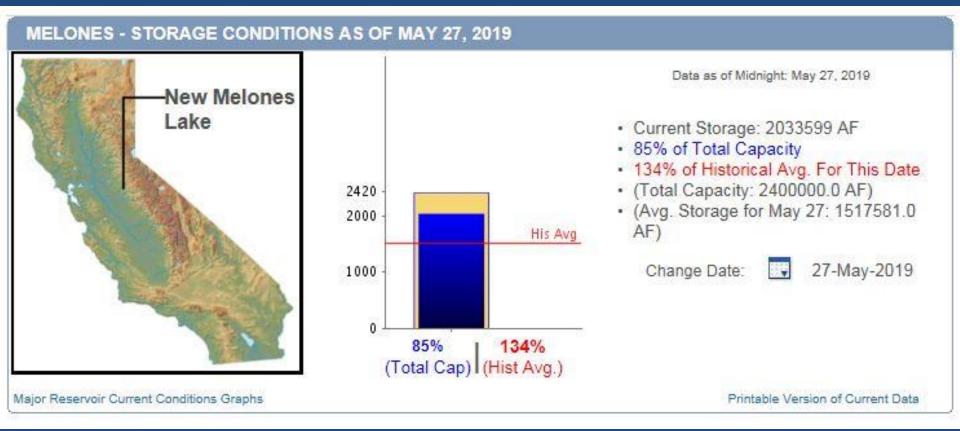


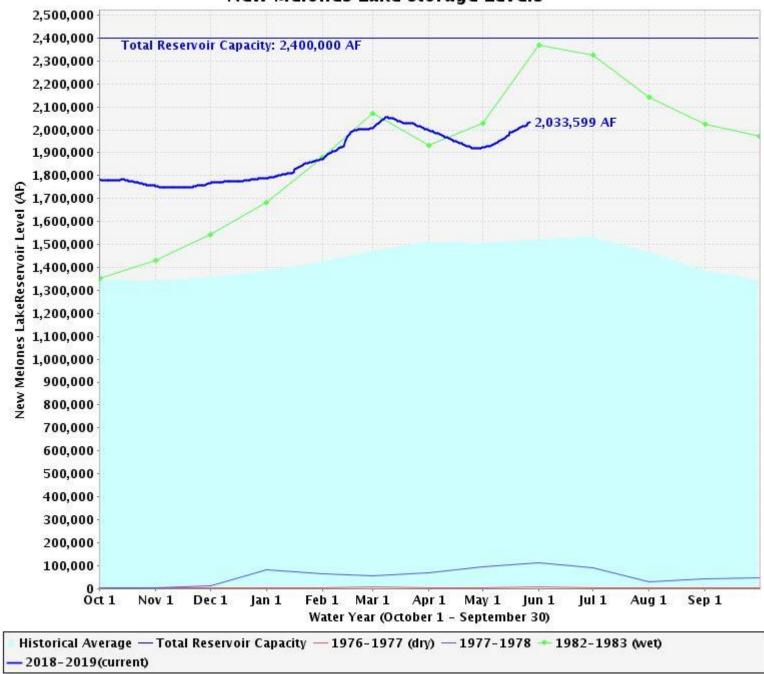


#### OROVILLE - STORAGE CONDITIONS AS OF MAY 27, 2019

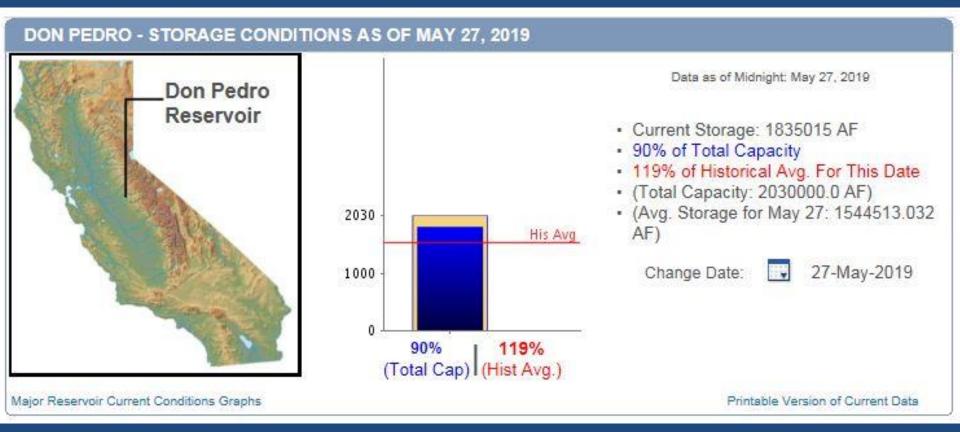


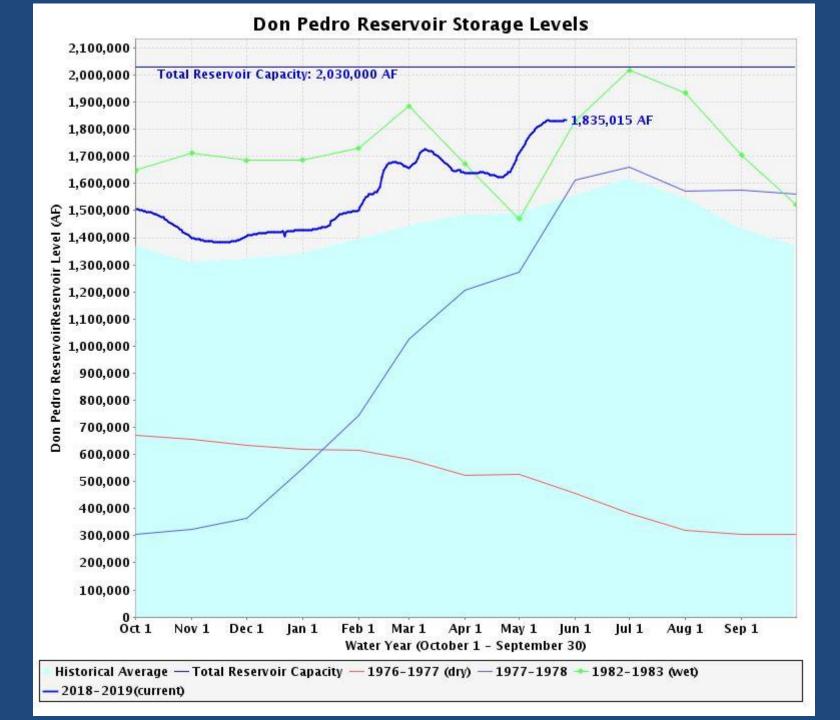


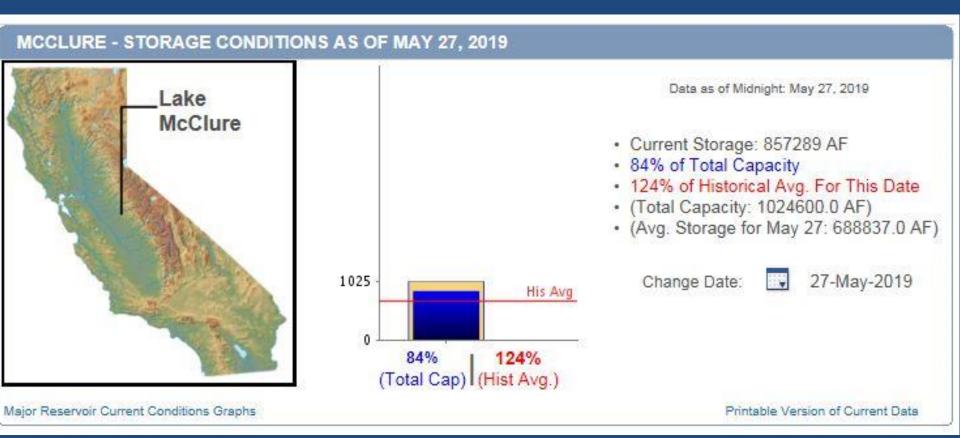


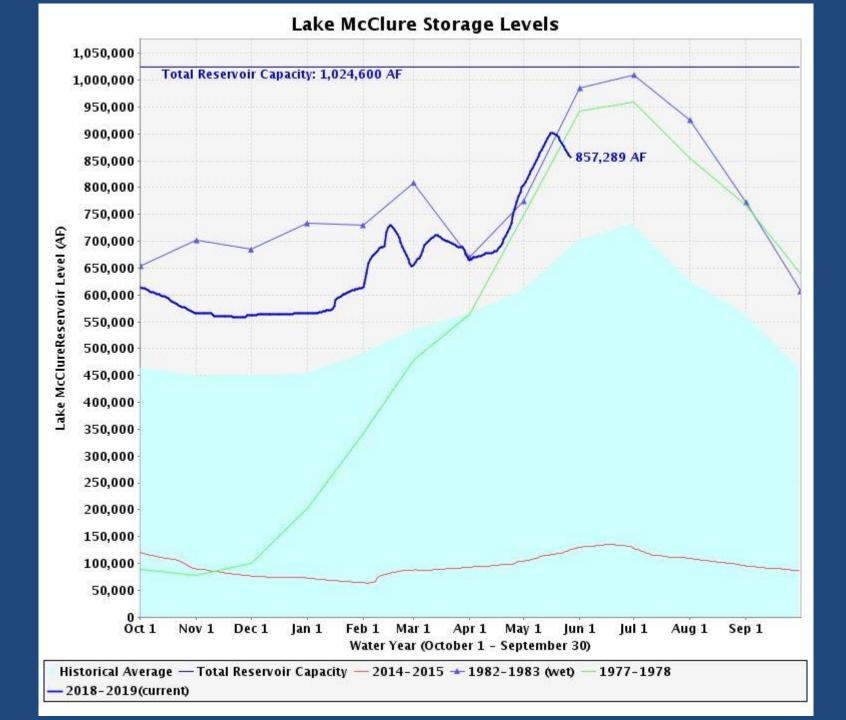


#### **New Melones Lake Storage Levels**

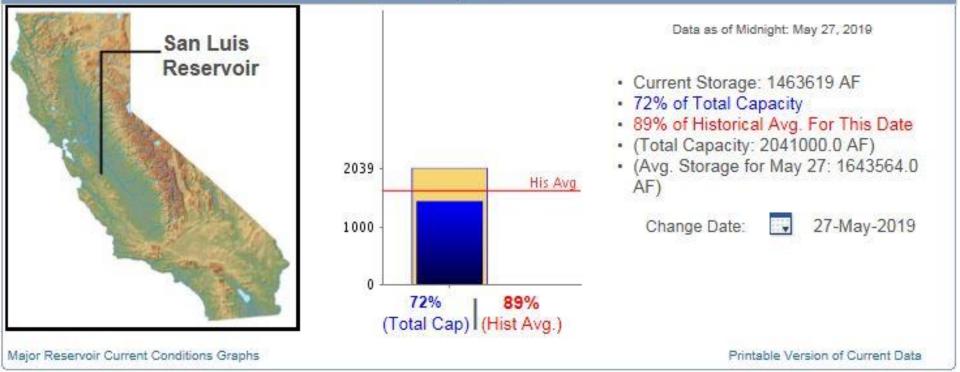


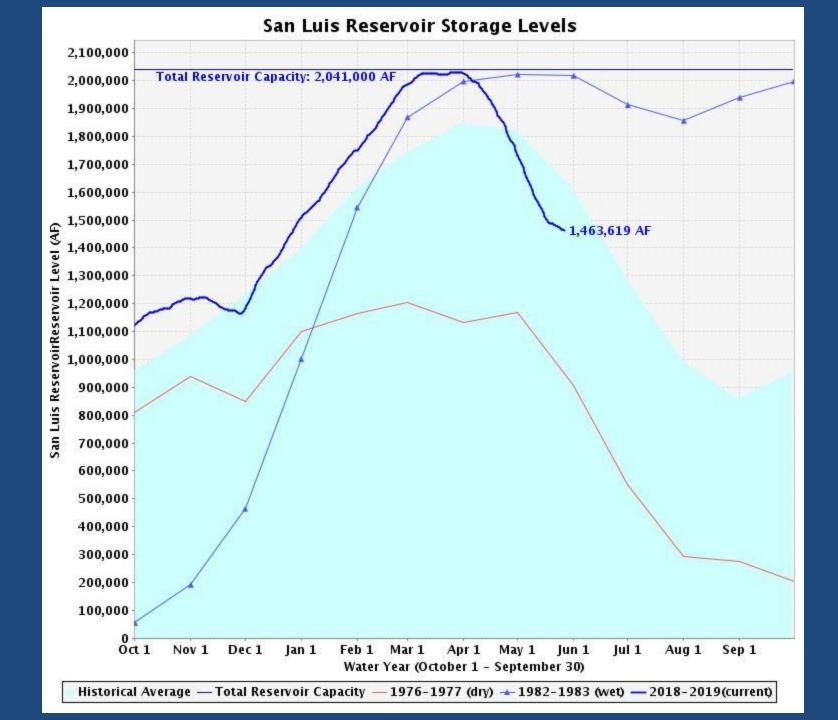






#### SAN LUIS - STORAGE CONDITIONS AS OF MAY 27, 2019





# **2019 Water Allocations**

WE	ST	EAST	
Federal	65%	SSJID	100%
	70%	OID	100%
State	70%	Mod ID	100%
CCID	100%	TID	100%
		Mer ID	100%

# **Questions & Discussion**

Item IX: Status Update Regarding Compliance with the Sustainable Groundwater Management Act (SGMA) in Stanislaus County

May 29 , 2019

### Sustainable Groundwater Management Act (2014)

- Agencies electing to become <u>GSAs</u> are given broad powers and authority regarding groundwater management, including:
  - Develop and Implement Groundwater Sustainability Plans (GSPs)
    - 50 Year Planning Horizon
    - 20 Year Implementation Period
    - 5 Year Updates
    - 1 Year Reporting
  - Investigate and determine the sustainable yield of a groundwater basin
  - Collect pertinent groundwater monitoring information
    Enforcement

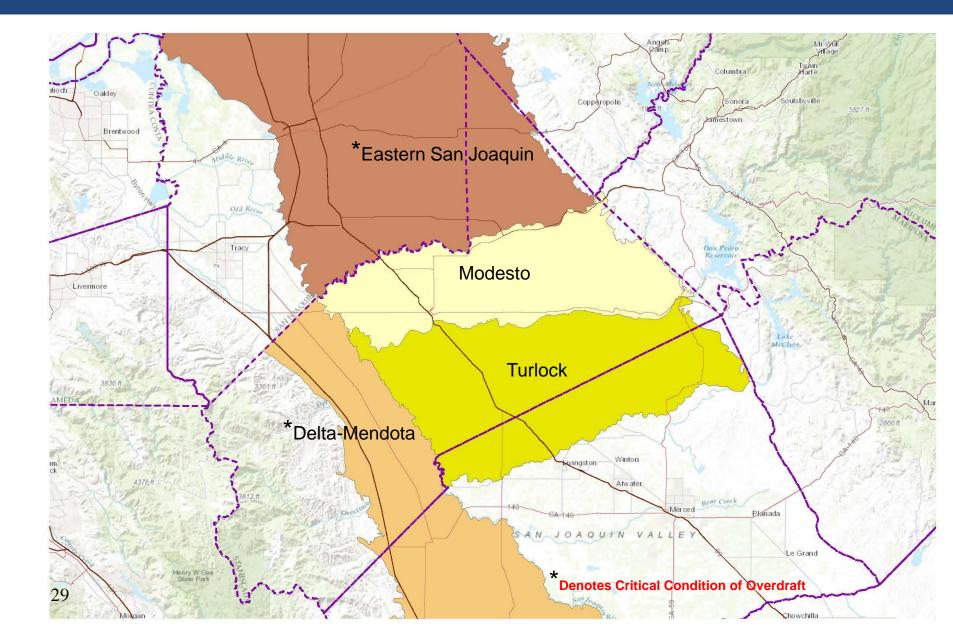
### **Important Milestones**

- GSA formation deadline June 30, 2017
- GSP adoption deadline:

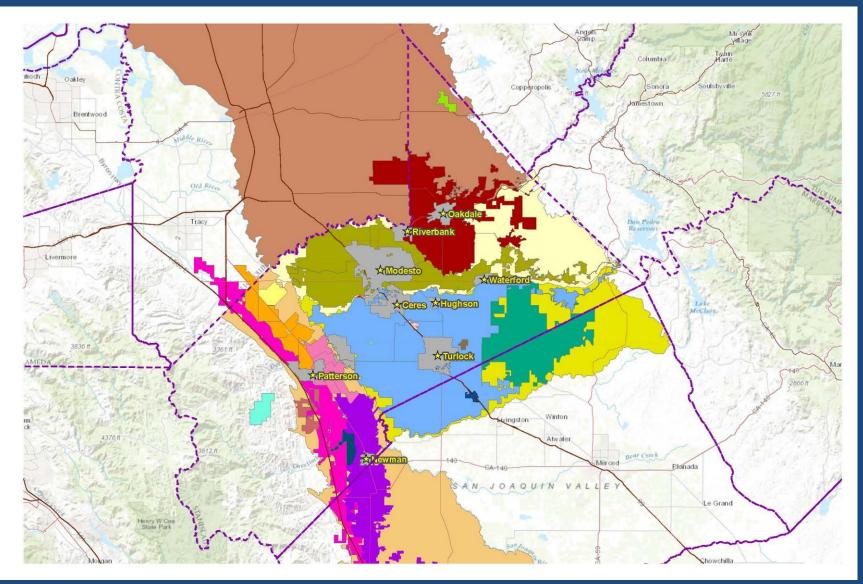
   January 31, 2020 (critical condition of overdraft)
   January 31, 2022 (high & medium priority basins)
- If those deadlines are missed, or if the DWR determines that a plan is not adequate to achieve the sustainability goal, the State Water Resources Control Board ("Board") will have the ability to step in and impose its own "interim" plan until an acceptable local plan is in place.

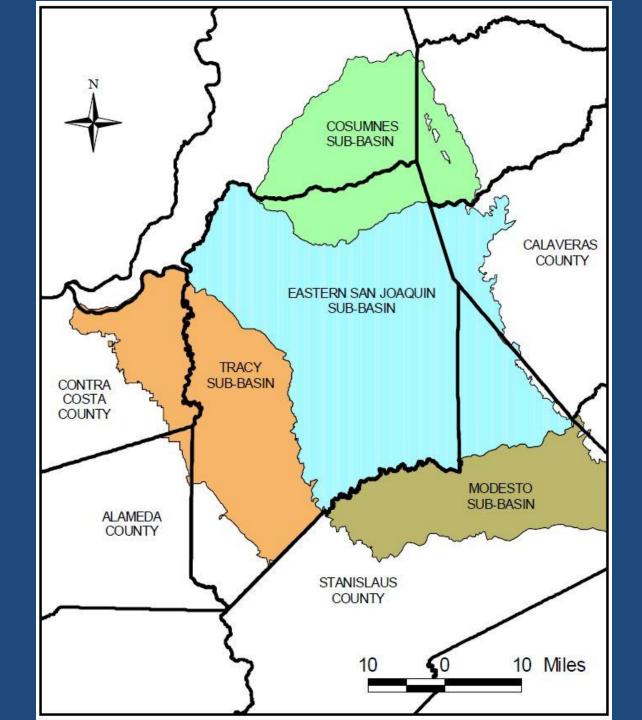


## Stanislaus County Groundwater Basins

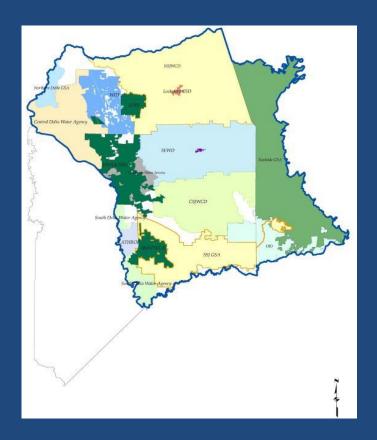


## **Stanislaus County Water Agencies**





### Eastern San Joaquin Groundwater Basin GSAs

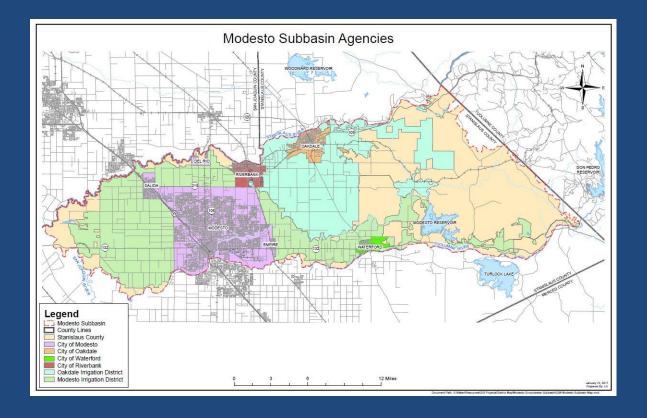


# Eastern San Joaquin Subbasin GSAs

- City of Lodi
- City of Manteca
- City of Stockton
- Linden CWD
- Stockton East WD
- Central Delta Water Agency
- South Delta Water Agency
- Central San Joaquin Water Conservation District
- North San Joaquin Water Conservation District
- Eastside San Joaquin GSA

Oakdale ID South San Joaquin ID Woodbridge ID Central Delta WD Linden CWD

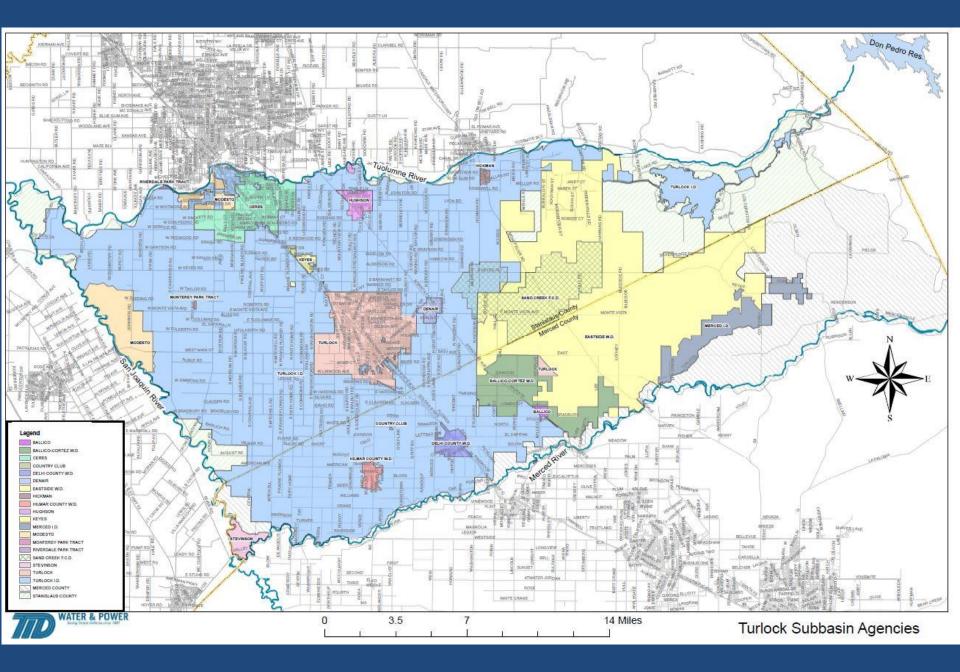
### Modesto Groundwater Basin



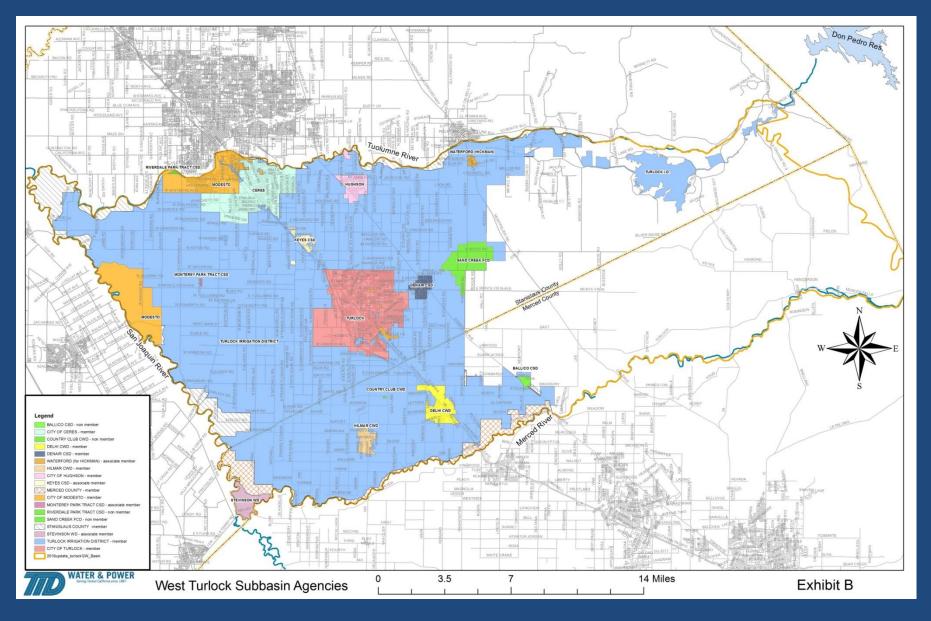
Stanislaus & Tuolumne Rivers Groundwater Basin Association GSA

City of Modesto City of Oakdale City of Riverbank City of Waterford Oakdale ID Modesto ID Stanislaus County *Tuolumne County\** 

\*Formed separate GSA and "linked" to STRGBA via separate Cooperation Agreement with Stanislaus County



## West Turlock Subbasin GSA

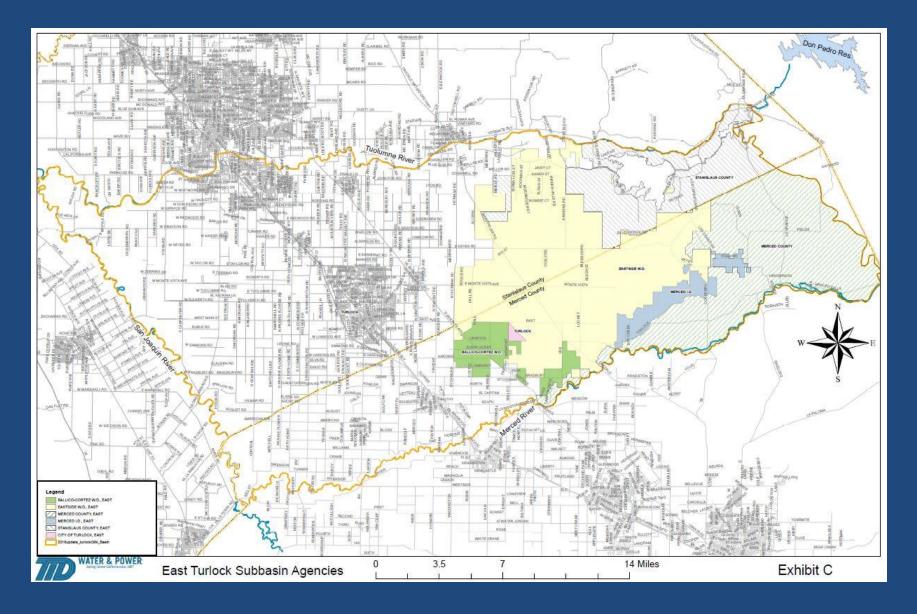


## West Turlock Subbasin GSA

- City of Ceres
- City of Hughson
- City of Modesto
- City of Turlock
- Denair CSD
- Associate Members:
- Keyes CSD
- City of Waterford

Turlock Irrigation District Merced County Stanislaus County Delhi County Water District Hilmar County Water District

## East Turlock Subbasin GSA

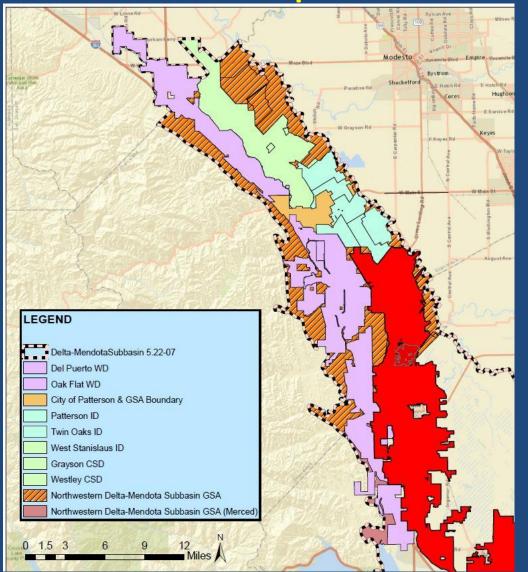


## East Turlock Subbasin GSA

- Eastside WD
- Ballico-Cortez WD
- Merced Irrigation District
- Merced County
- Stanislaus County
- City of Turlock \*



# Delta-Mendota Subbasin –Northern Group



Delta-Mendota Groundwater Basin – Northern Group GSAs

**City of Patterson** Del Puerto WD West Stanislaus ID Patterson ID Northwestern Delta-Mendota GSA Merced & Stanislaus Counties

# Summary of GSA Formation and GSP Preparation

Delta-Mendota Subbasin Multiple-GSAs/Multiple GSPs (*Formal "Coordination Agreement"*) Northwestern Delta-Mendota GSA (MOU) **Turlock Subbasin** 2 GSAs/1 GSP East Turlock & West Turlock GSA (JPAs) Modesto Subbasin 1 GSA/1 GSP Stanislaus & Tuolumne Rivers Groundwater Basin Association GSA (MOU) Eastern San Joaquin Subbasin Multiple-GSAs/1 GSP

Eastside San Joaquin Groundwater Authority (JPA)

# **Current Activities**

- > All GSAs made June 30, 2017 deadline
- Each of the four basins gained approval for State grants
  - Eastern San Joaquin & Delta-Mendota = \$1.5 million
  - Modesto & Turlock = \$ 1.0 million

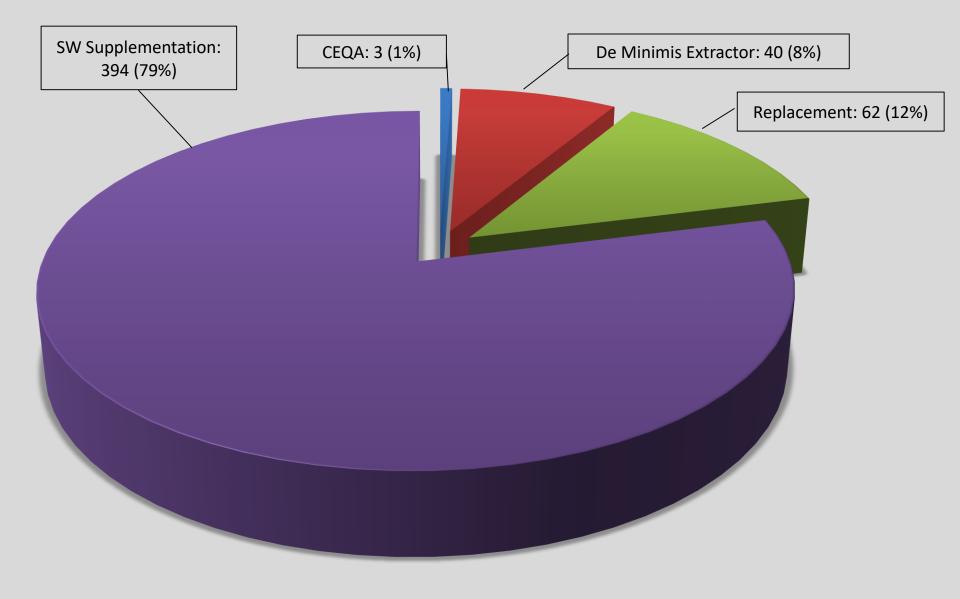
GSPs are under preparation (Substantial Compliance)

- Land Use/ Water Use data collection (baseline, existing and forecasted)
   Basin Hydrologic Conceptual Model (HCM) and cross-sections
   Various groundwater models being used for Water Budget
   Project List (managed recharge) and Potential Funding
- Public Draft released mid-summer 2019 for ESJ and D-M basins
- Individual agency review and approval targeted for Fall 2019
- Meet January 2020 filing deadline with DWR (Mod/Tur => 2 years later)

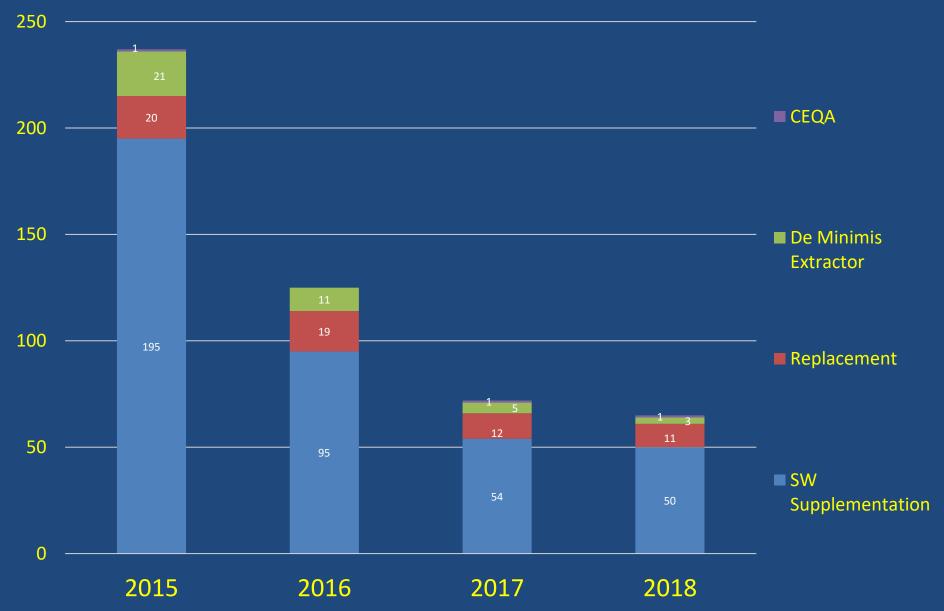
# **Questions & Discussion**

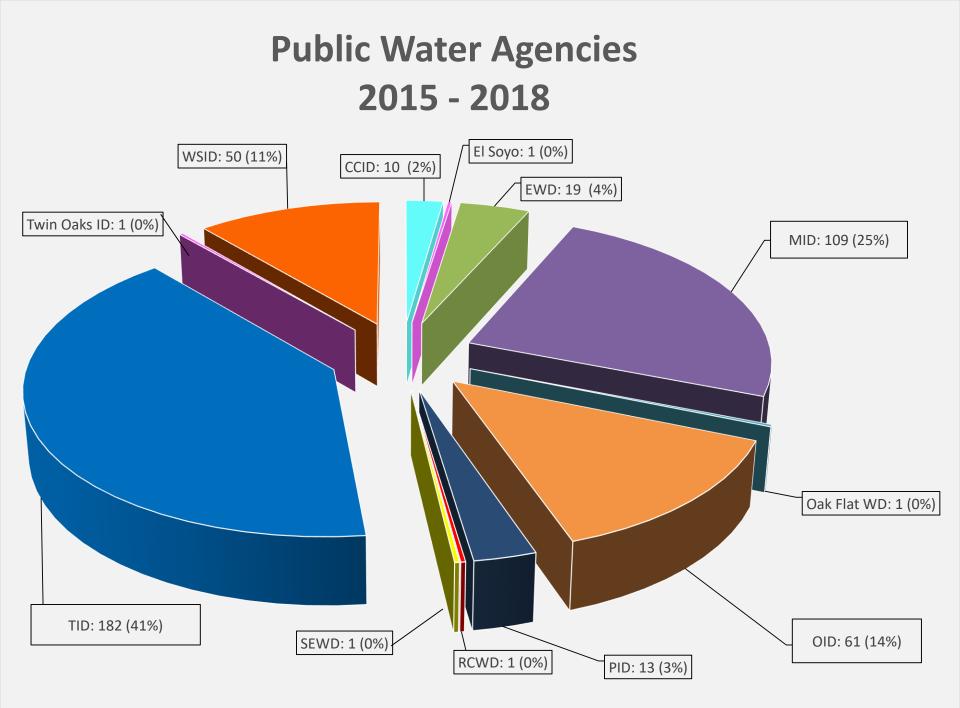
Item X: Stanislaus County Well Permitting Program Activity Status

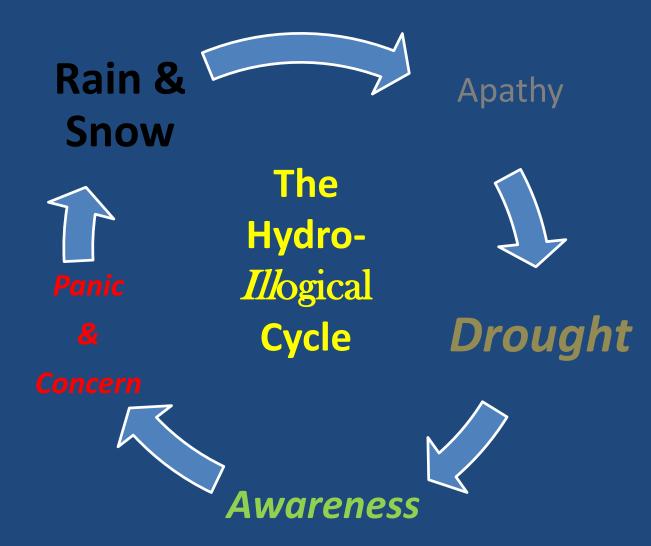
#### Stanislaus County Agricultural-Irrigation Water Well Permits Issued by Category January 2015 - December 2018



#### Breakdown by Year







# **Questions & Discussion**