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# Tuolumne River Update

Stanislaus County Ag Advisory Board  
June 7, 2021



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# Today

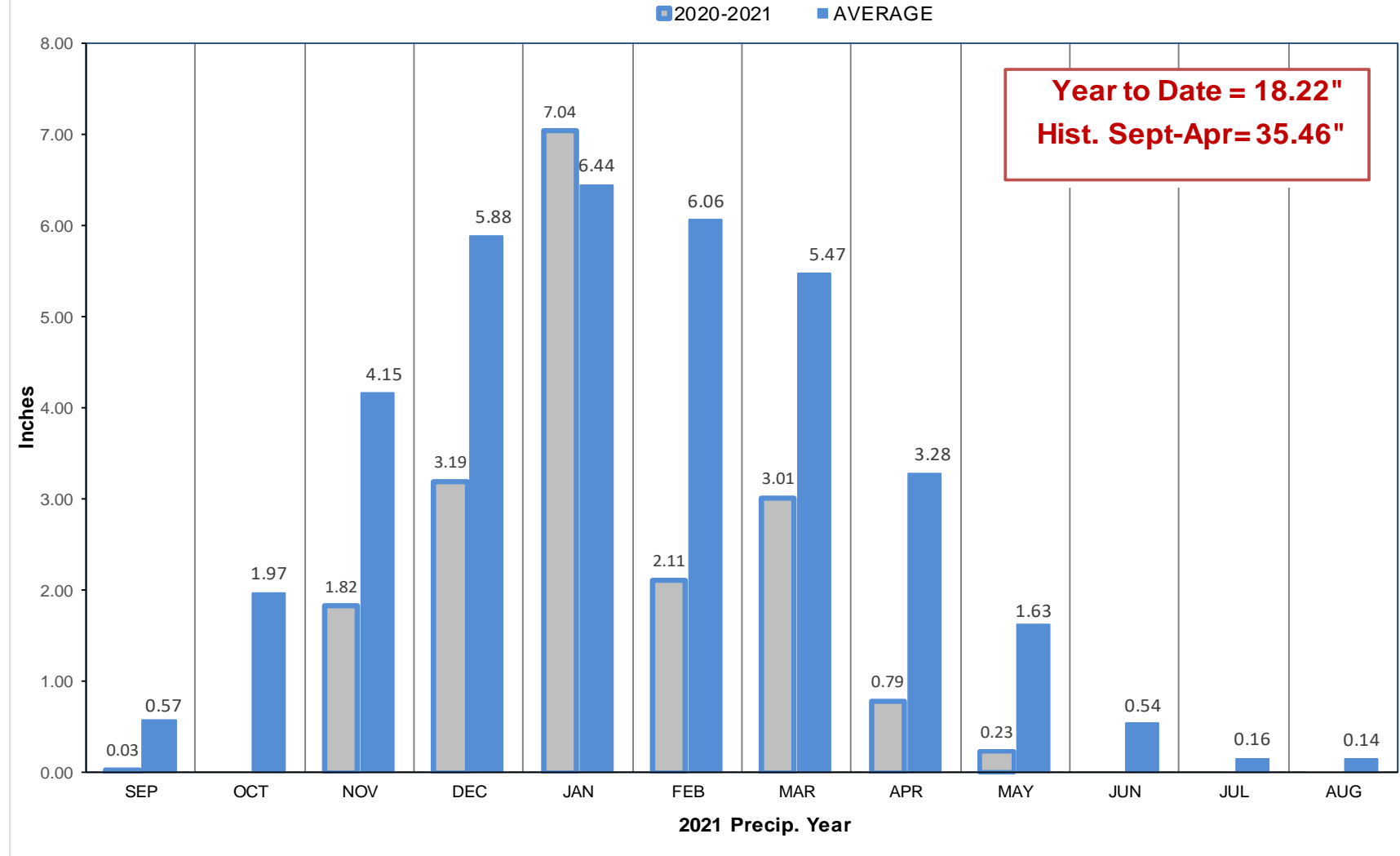
- Tuolumne River Hydrology
- 2021 Irrigation Season
- Drought Actions
- Online Water Ordering System
- Sustainable Groundwater Management Act
- Other Items



# Half the precipitation of normal



### Tuolumne River Watershed Monthly Accumulation of Precipitation



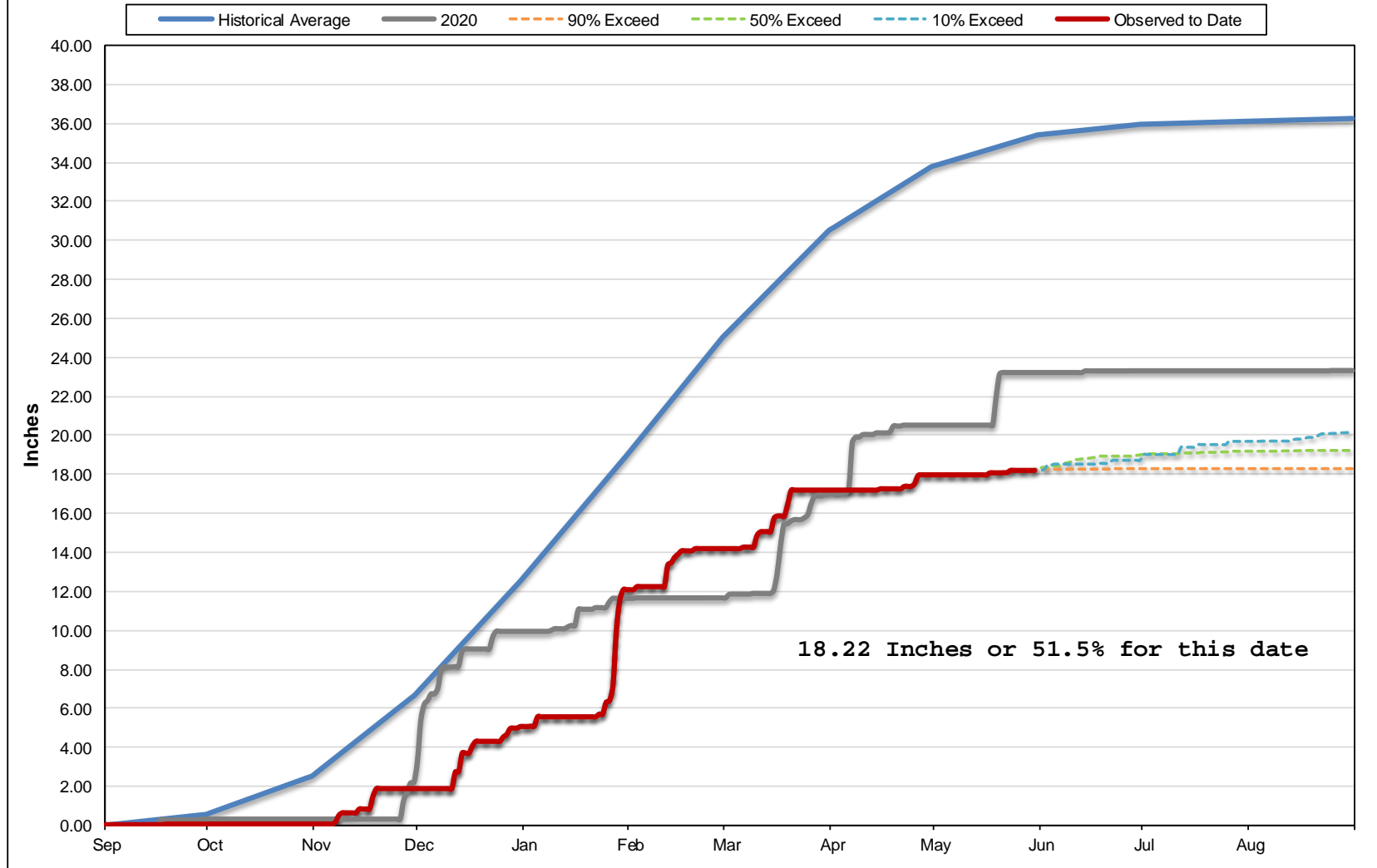


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# Less than 20 inches



### Tuolumne River Watershed Accumulated Precipitation



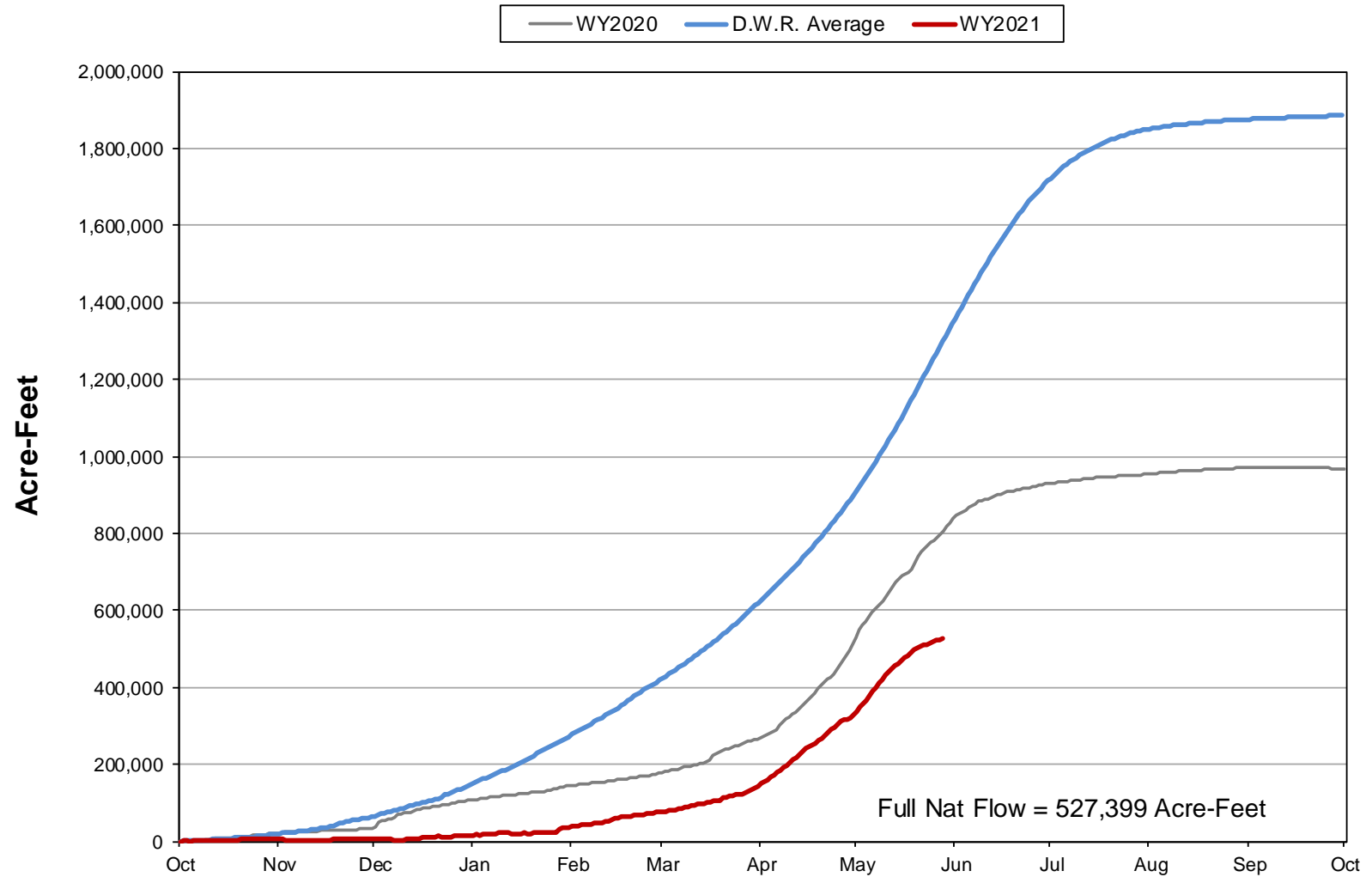


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# 2020 WY was bad; 2021 is worse

### Accumulated Full Natural Flow



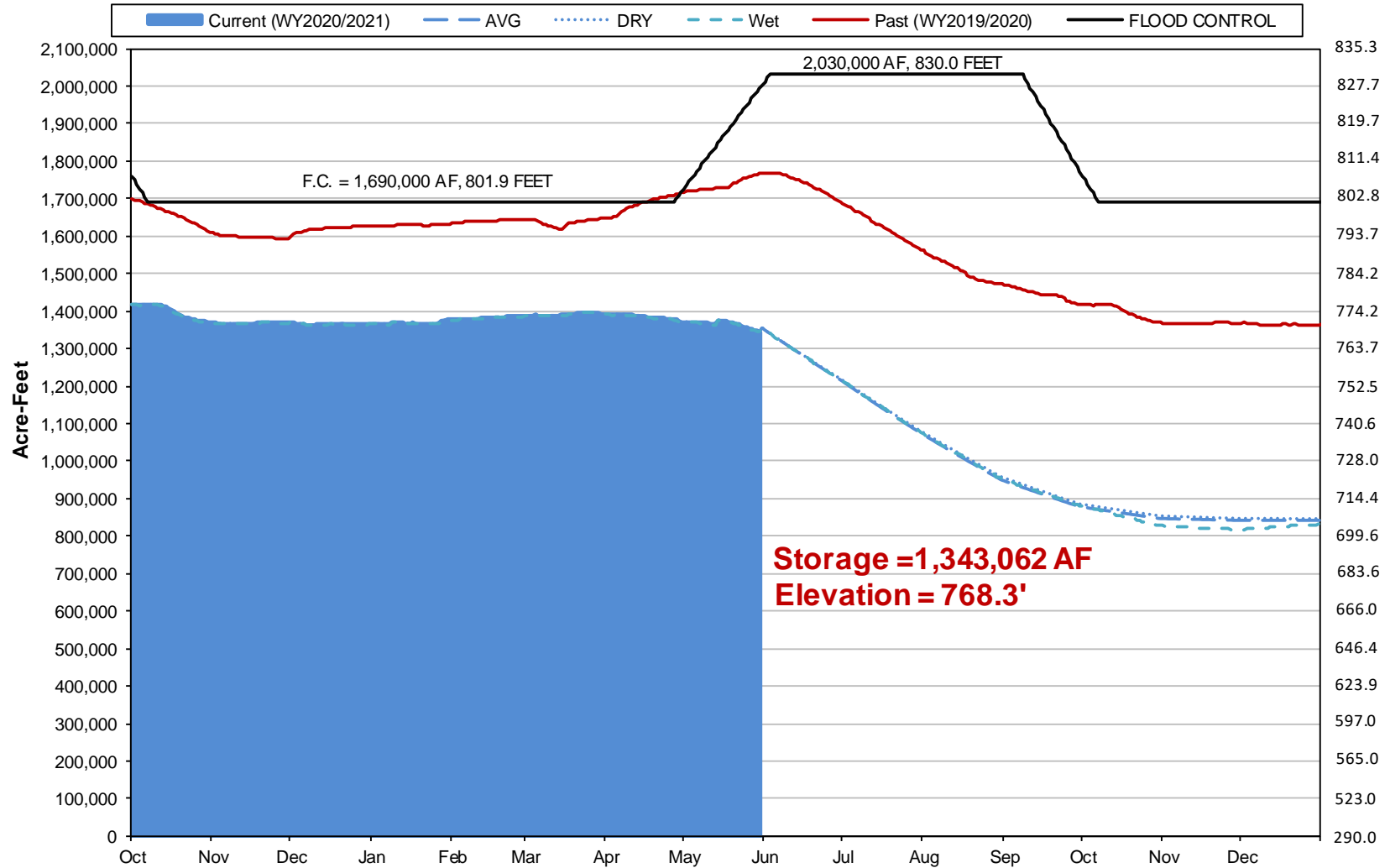




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# Don Pedro likely to finish 2021 around 700' elevation

## DON PEDRO STORAGE





# Storage

## WEEKLY WATERSHED STATUS REPORT

5/28/2021

	This Week	Week Ago	Last Year
	-	-	-
Don Pedro Reservoir Elevation:	768.8	770.7	808.3
Don Pedro Reservoir Storage:	1,347,790	1,365,873	1,763,500
<b>Storage in Acre Feet:</b>			
Don Pedro (TID Net)	711,156	723,535	995,751
Don Pedro (MID Net)	327,634	333,338	458,749
Turlock Lake	17,220	16,923	19,357
Total TID	728,376	740,459	1,015,108
Hetch Hetchy Reservoir	304,966	296,624	342,188
Cherry Valley Reservoir	264,943	263,361	266,701
Lake Eleanor Reservoir	26,630	27,016	27,113

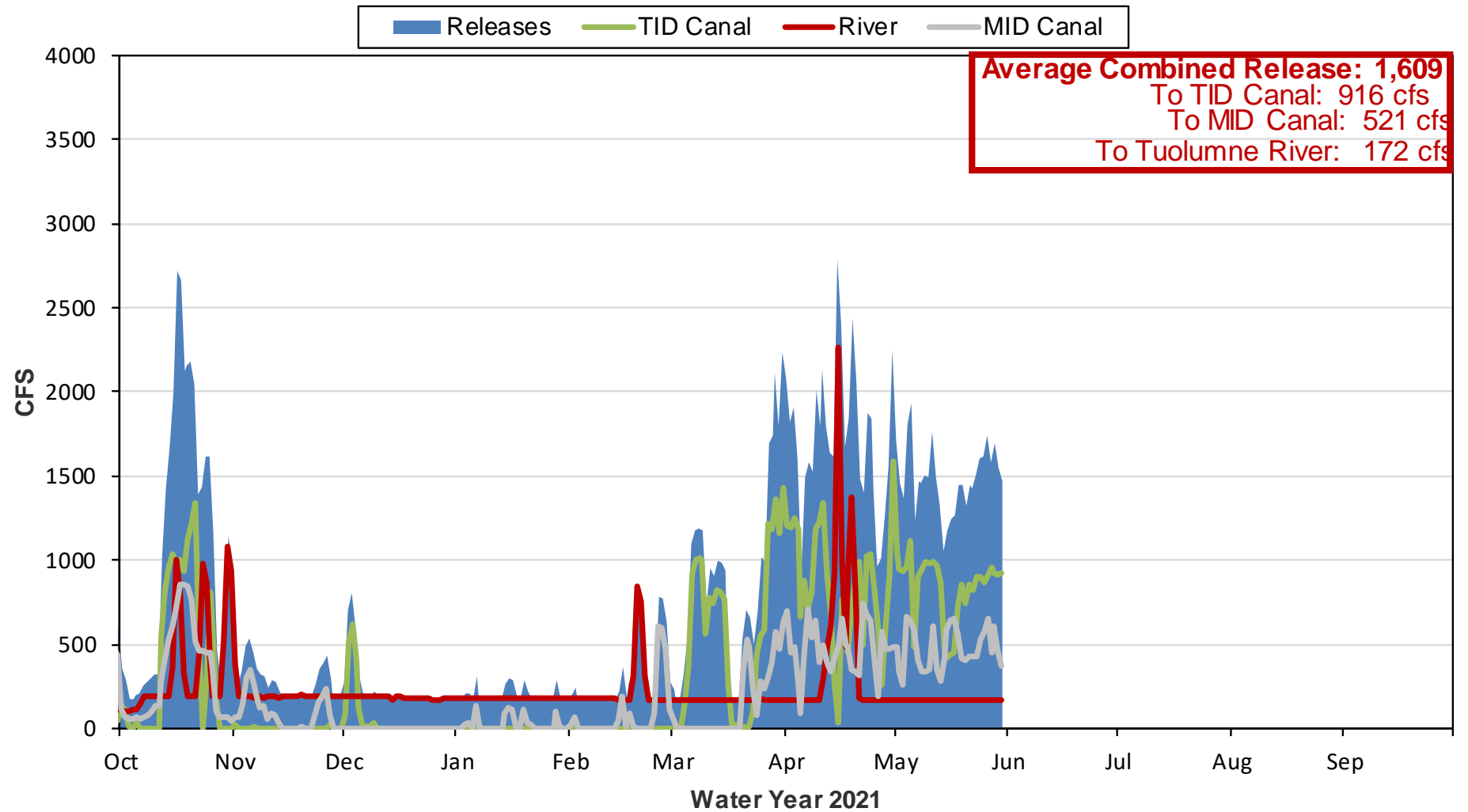


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# Where stored water is going

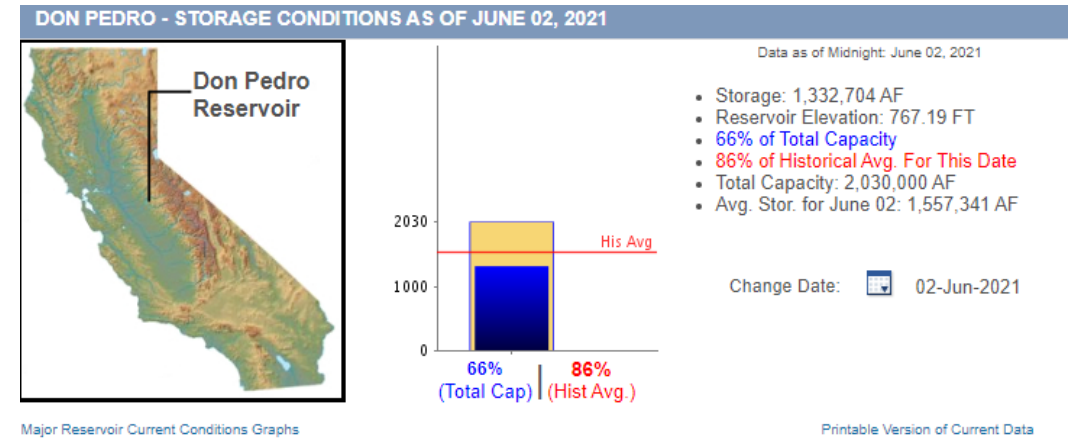
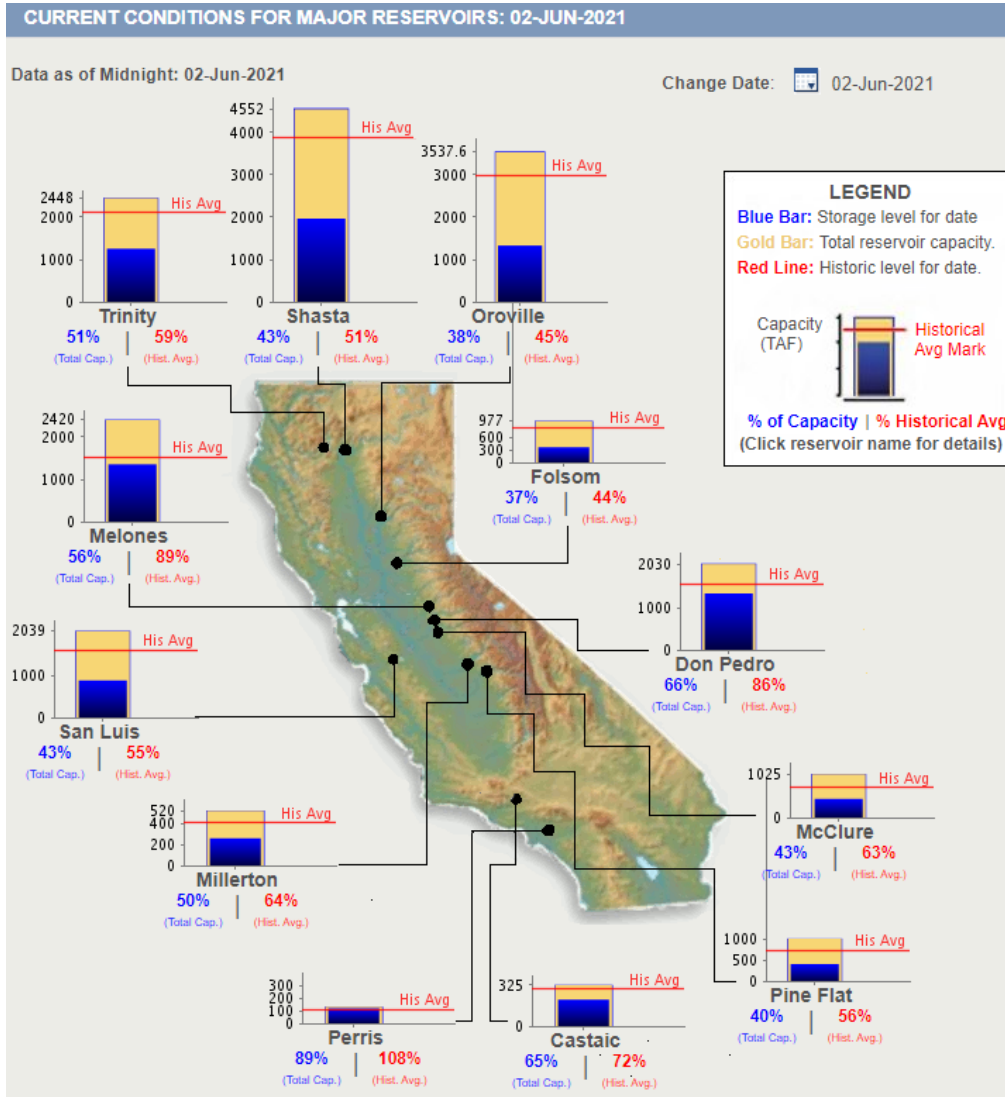
## Don Pedro Releases







# Challenges of statewide comparison



- Does not take into account CCSF pre-released water from upstream
- Districts carry over enough water for next year's fish flow requirements
- Does not indicate previous cutbacks to irrigators, nor dead pool storage



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# 2021 Irrigation Season

- March 18 to October 27
- Dry Year Rate Schedule
- Available water for each irrigated parcel is 34 inches per acre
- Due to the below average water year, wait times to receive water may be longer than normal





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## Some TID Drought Efforts

- Available Water reductions in 2020 (42”) and 2021 (34”)
- Turlock Lake operated to reduce evaporation and seepage
- Lateral 8 Regulating Reservoir
- Operational spills goal of less than 5 percent
- Ceres Regulating Reservoir in the works
- Drought workshop held December 2020
- Relaxed water transfer program this year
- Always looking for additional conservation measures
- **Enhanced Online Water Ordering System**





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# Online Water Ordering System (waterrequest.tid.org)

- Desktop and mobile
- **View** real-time usage data
  - Group your parcels
  - See Delivered AF and Remaining AF
  - Total usage percentage bar
  - Parcel Summary page
  - Export to your own spreadsheets or pdfs
- **Order** water easily
  - From the field
  - After hours
- **Forecast** your season
  - Input: configuration, hours, date
  - Computes: AF, hours, inches or irrigations





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# Sustainable Groundwater Management Act

The three basic steps of SGMA for local agencies in the Turlock Subbasin

*Step*

**1**

## **Form GSAs**

Local agencies to form GSAs by 6/30/17 or state may intervene

*Step*

**2**

## **Develop GSPs**

GSAs submit GSP(s) by 1/31/22 or state may intervene

*Step*

**3**

## **Get results**

No "undesirable results", meet goals, or state may intervene





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## Other items

- Drought and statewide curtailment
  - Notices of Water Unavailability issued; Notices of Curtailment (Curtailment Orders) not issued; Curtailment Regulation pending
- Bay-Delta Water Quality Control Plan (SED), Voluntary Agreement discussions and FERC Relicensing
- Stanislaus Regional Water Authority
- Don Pedro 50<sup>th</sup> Anniversary Website ([donpedro50th.org](http://donpedro50th.org))

