

# Water Operations

## BOD Update 7/27/22

- Customer Service
- Electrical
- Distribution
- Treatment
- Water Resources



# Customer Service

## Cashiering

- Counting cash for recreation
- Worked through heavy lobby demands – irrigation season
- Community Plus upgrade validation testing
  - Duplicating daily tasks to confirm proper system operation



# Customer Service

## Billing & Dispatch

- Fielded 16,866 customer calls January through June
  - Average of 135 calls per day
  - Billing, dispatch, account transfers
- Responded to 1,795 emails since beginning of year
- Validation testing for Community Plus upgrade



# Customer Service

## Conservation & Field Technicians

- Drought postcards & mailings
- Performed 145 high water use house calls T/W
- Responded to 67 R/W waste calls
- Mailed 2,056 high consumption letters
- Repaired and replaced 237 faulty meters and 191 endpoints
- Attended Home & Garden Show & Fire Safe Council Health/Safety and Fire Preparedness Carnival



# Water Distribution

## Backflow & PRV

- Continued routine testing of NID's > 2,000 BF devices
- Working with Maint. on new RP Installations
- Customer outreach on retrofits and potential cross connections
- Two new certified backflow specialists
- Routine O&M of >250 PRVs

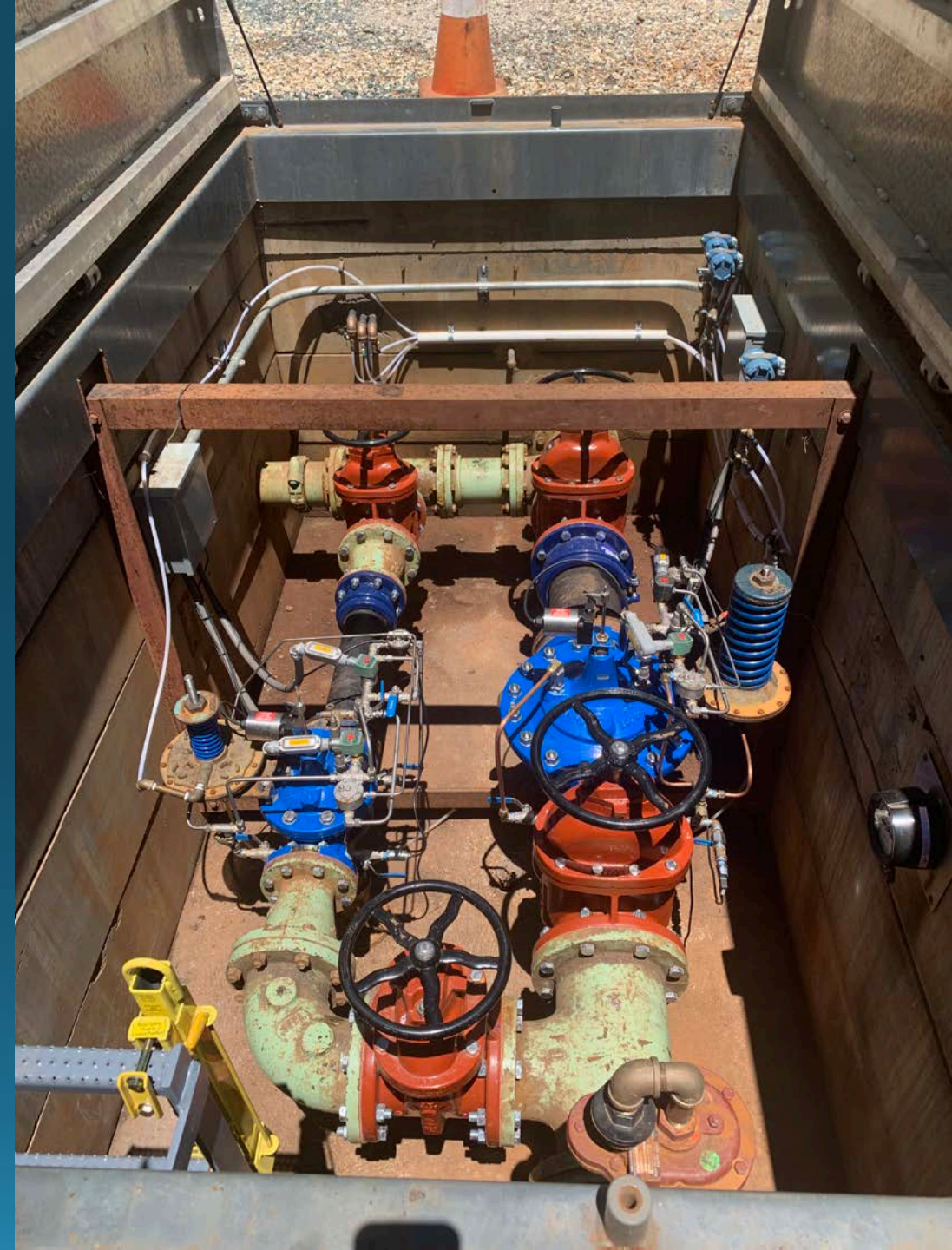






# Osborn Hill PRV Replacement

<Before  
>After



# Water Distribution

## Distribution Crews

- Managing irrigation flows
  - system @ peak demand
- Customer service calls
  - Boards and screens
- South Yuba Canal outage
  - went to back up systems
- Bear River Canal outage
  - Assisted with flows into Rock Creek
- Multiple evening treated water outages







# Electrical

- Alta Sierra Tank SCADA and integration
- Banner Taylor battery backup installation
- Scotts Flat pressure pump replacement



# Electrical

- Telemetry installations
- Portable generator inspections
  - prepping for PSPS



# Electrical

- Installed UVAS monitoring @ North Auburn
- Peninsula communication line repairs
- SCADA server replacement



# Electrical

- Mag 3 pump 1 replacement
- Loma Rica pressure pump replacement
- Alta Sierra communications



# Water Treatment

- Maximizing Use of Interties
  - Limiting plant run time to save energy and equipment
- Campground systems operational for summer season
  - Chasing down leaks @ Jackson Meadows
  - Tank repairs at Peninsula
- Powdered activated carbon system installation @ North Auburn



# Water Treatment



- Drained, cleaned, and inspected 8 tanks



# Water Treatment

- Lake of the Pines Reservoir Cleaning





# Water Treatment

- Lake of the Pines Reservoir Cleaning

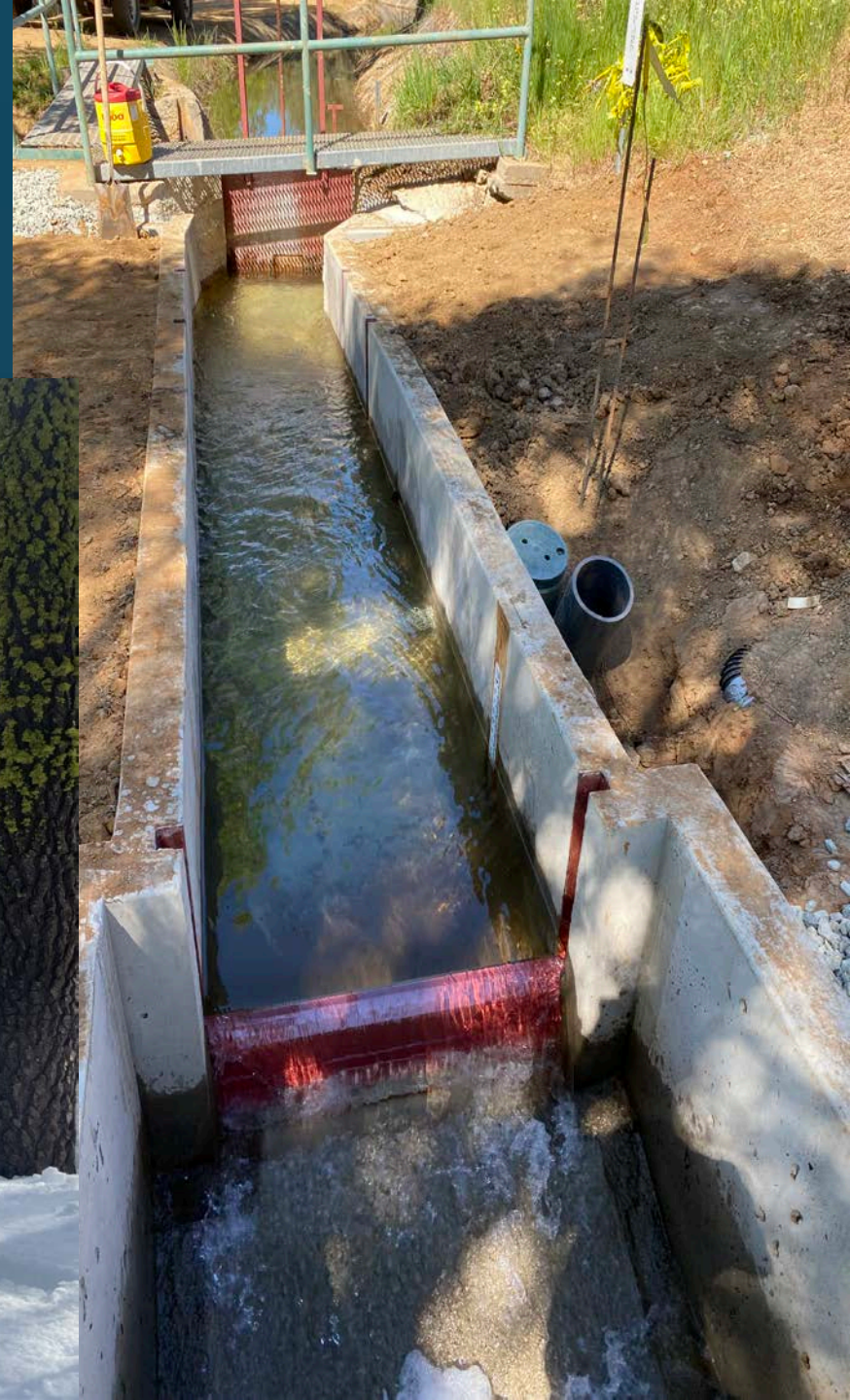


# Water Treatment

- Alta Sierra Storage Tank Online
  - Minor punch list items continue



# Water Resources



# Water Resources

## Tasks Completed

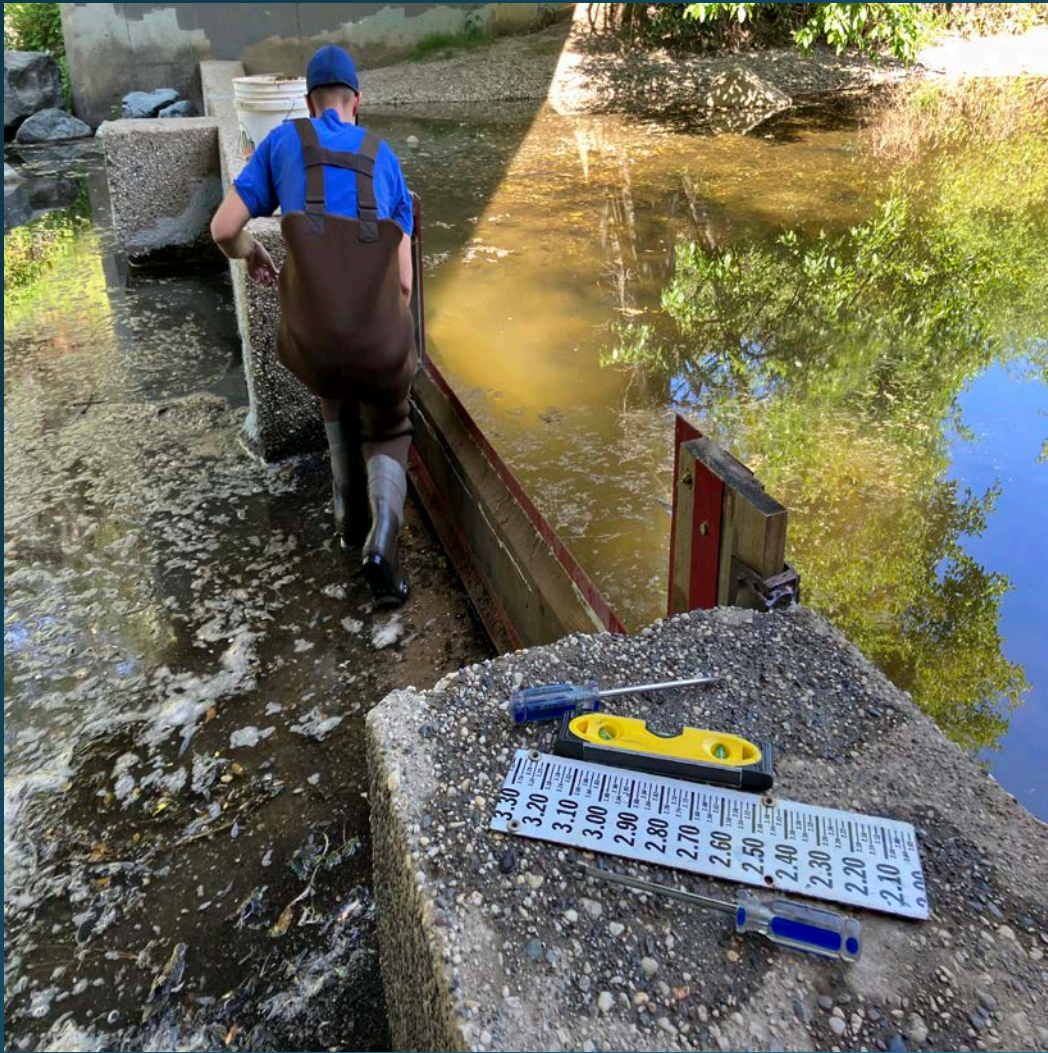
- Water Forecasting
- Water Right Filings for 2021
- Set up 128 Measuring Stations for Irrigation Season
- Rebuilt 8 Measurement Weirs
- Alternative Compliance on BS Canal
- Complete Settlement Contracts with PG&E



## Additional Drought Workload

- Monthly Water Collection Reporting & Forecasting
- Water Supply Demand Assessment DWR
- Curtailment Compliance and Reporting

# Water Resources

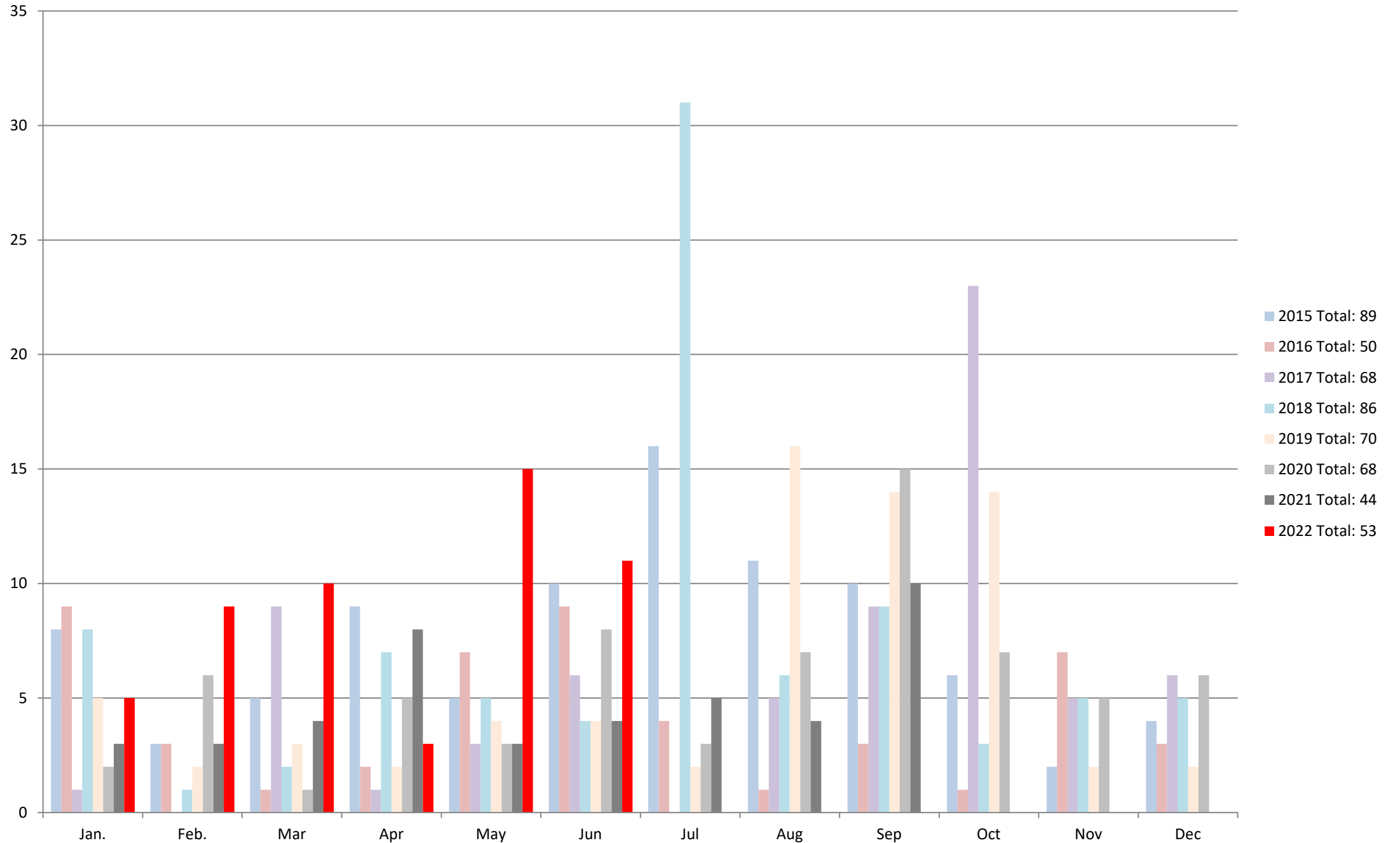


# Water Operations Benchmarking

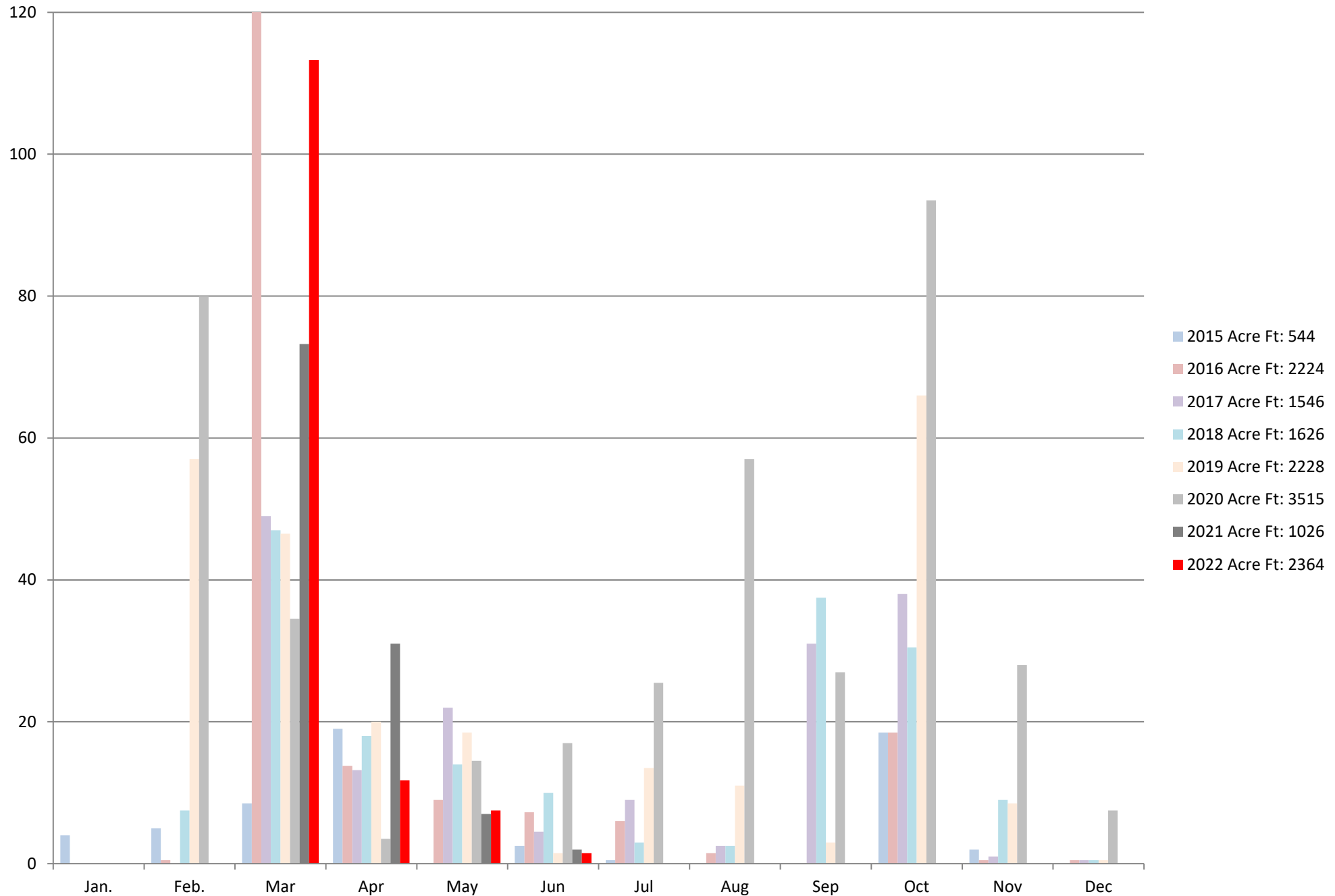
- Customer Service
- Electrical
- Distribution
- Treatment
- Water Resources



# New Treated Water Accounts



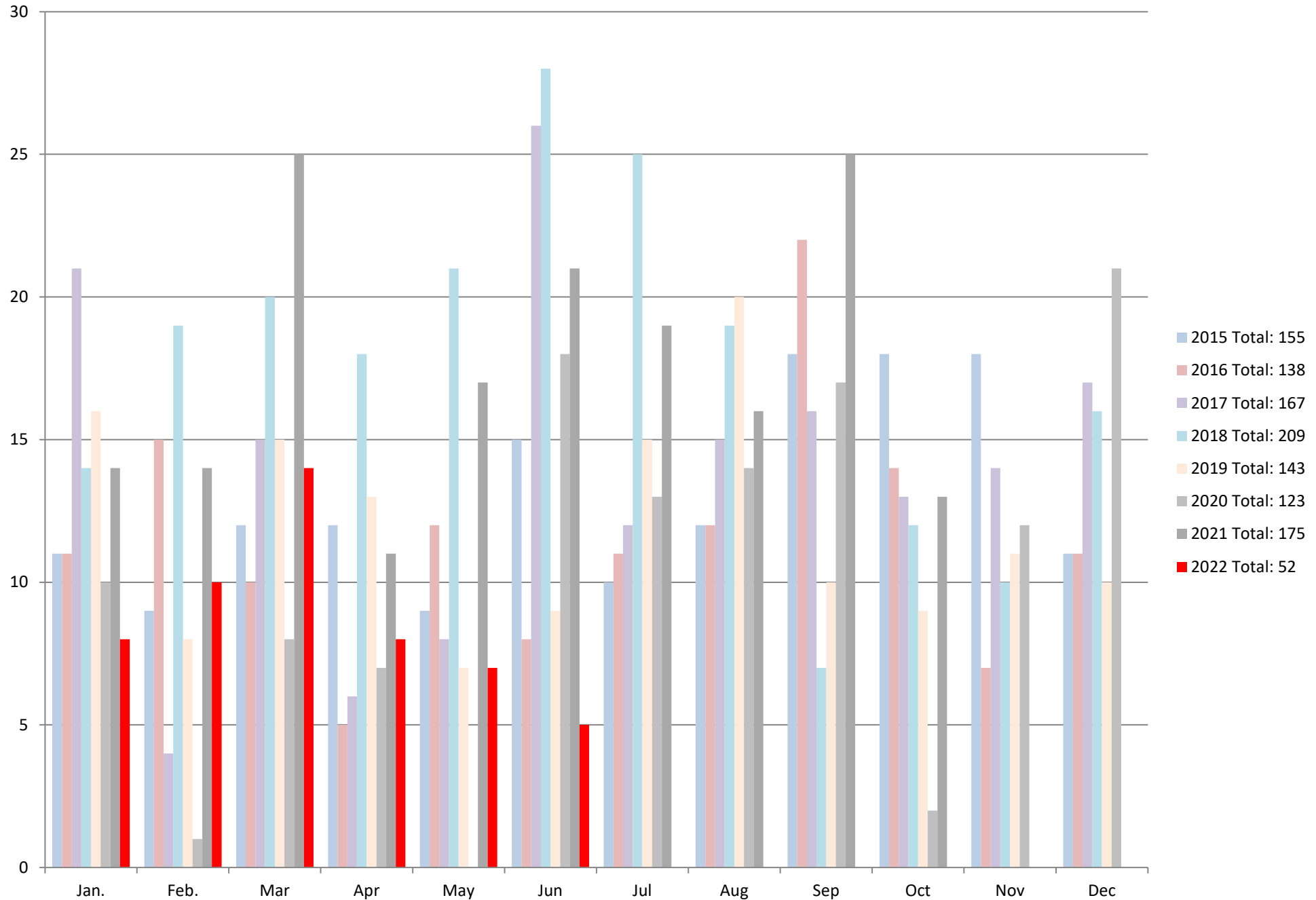
# New Raw Water Sales in Miners Inches



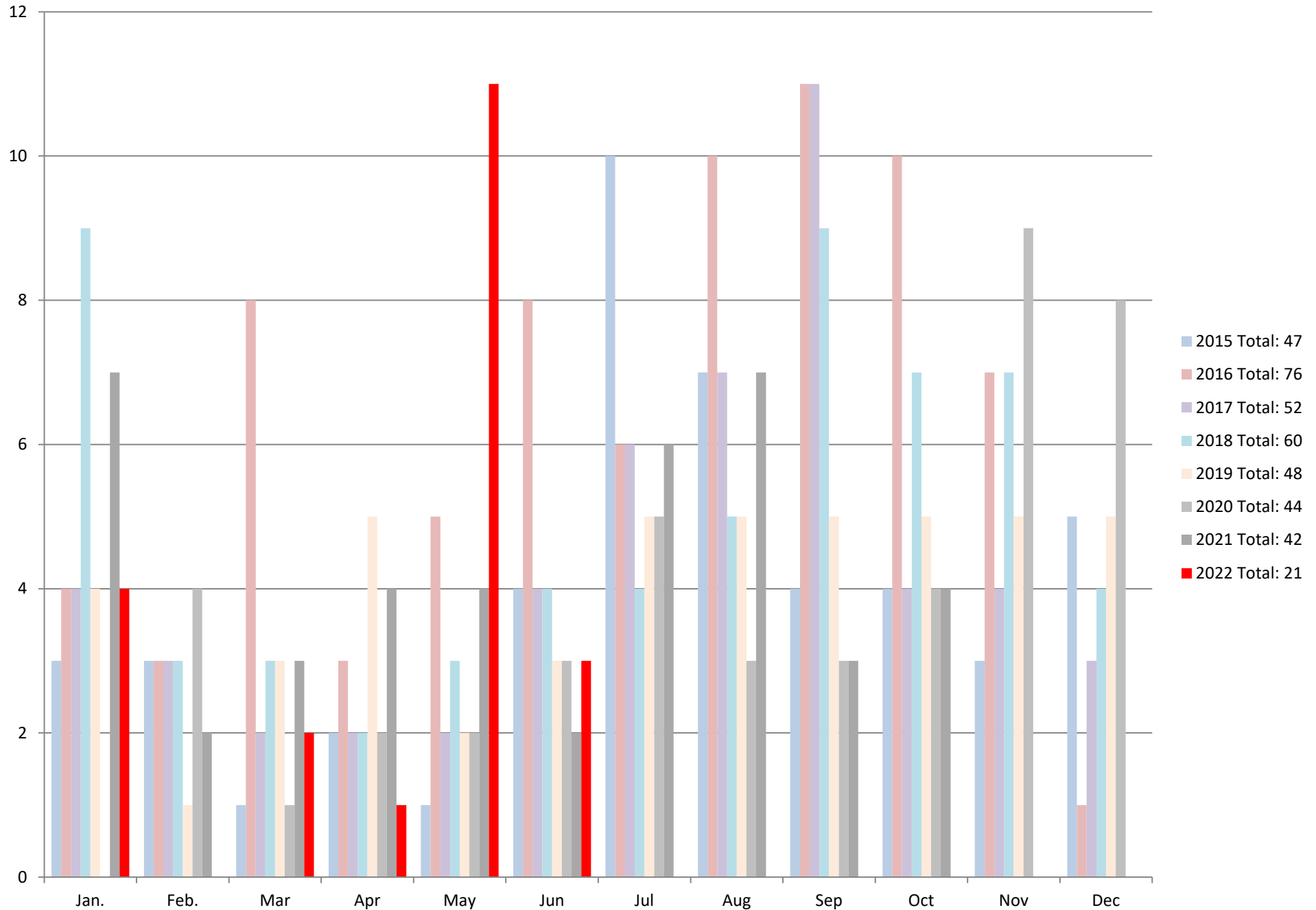




# Scheduled Treated Water Outages

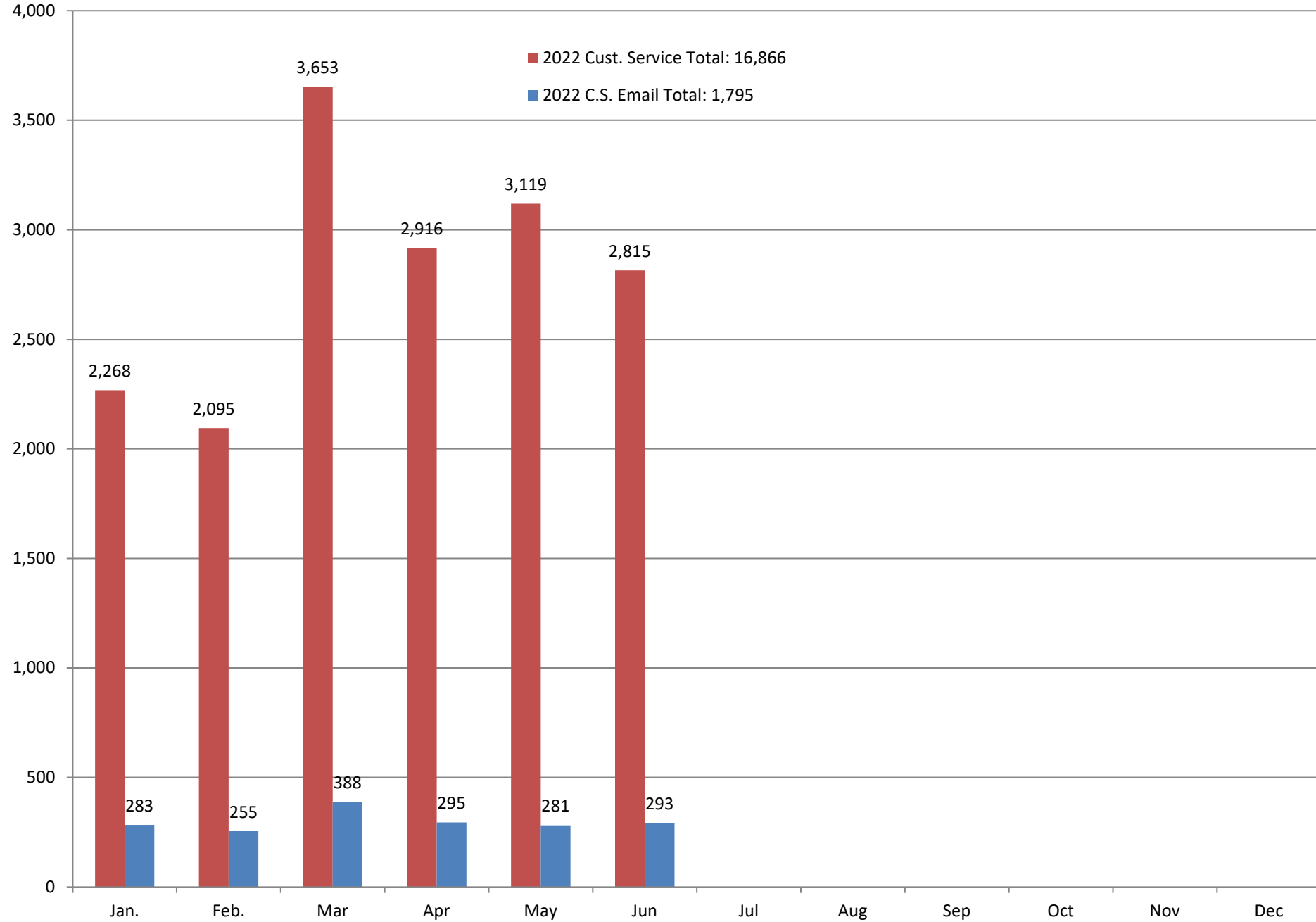


# Emergency Treated Water Outages





# Customer Communications 2022

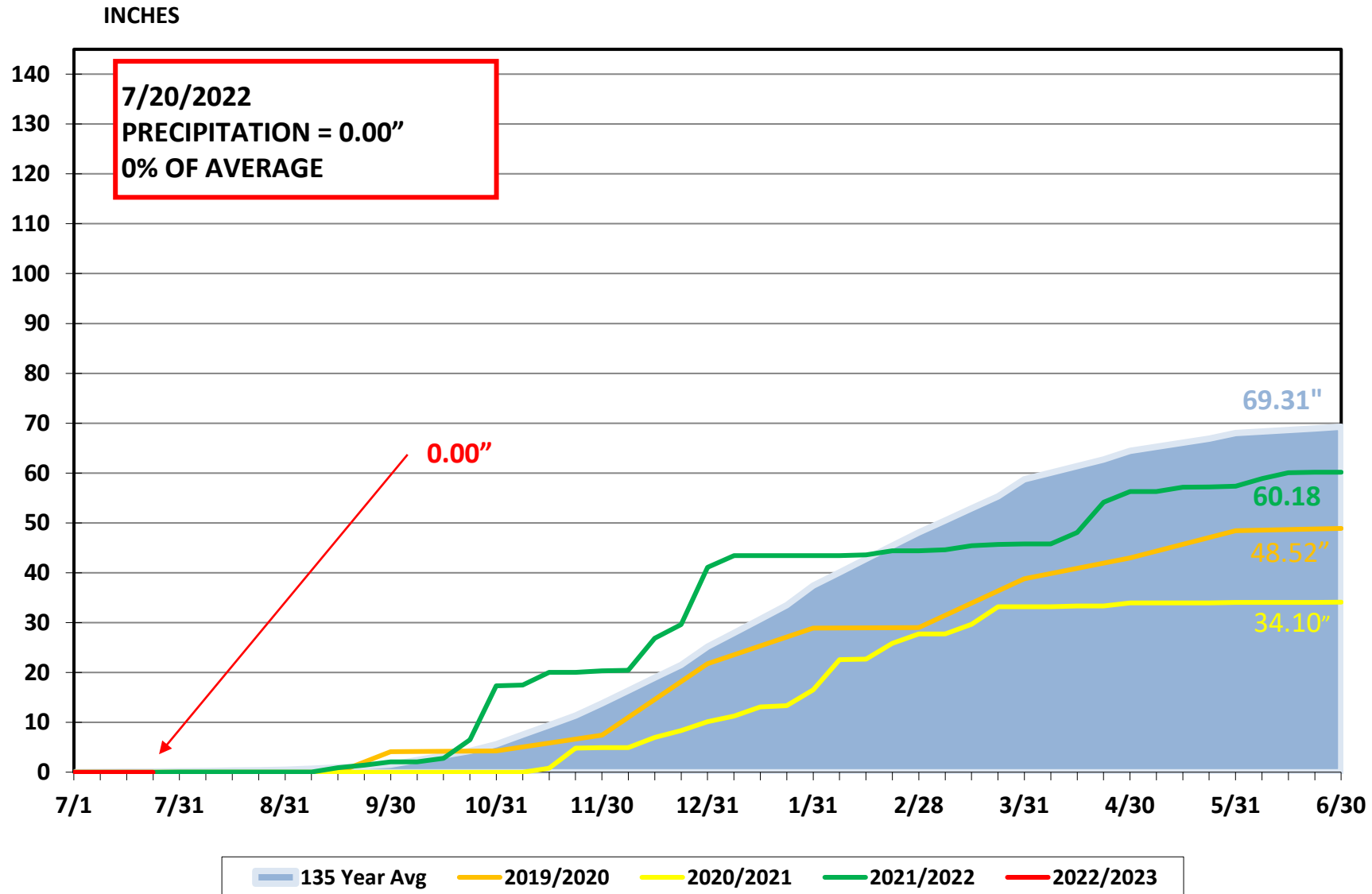


# Nevada Irrigation District Water Supply Update July 27, 2022

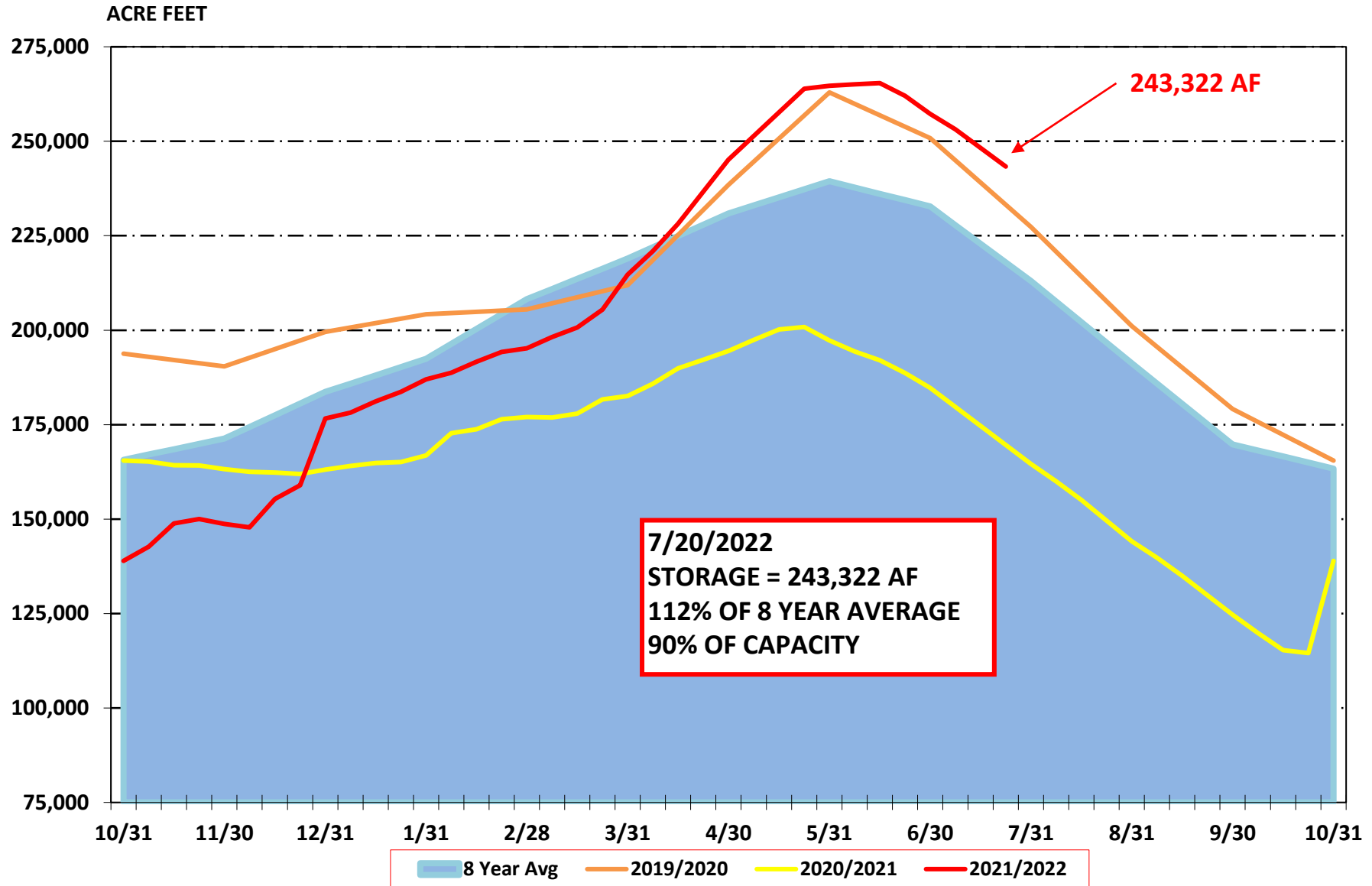


*Proudly serving portions of Nevada, Placer, and Yuba Counties*

# BOWMAN LAKE PRECIPITATION

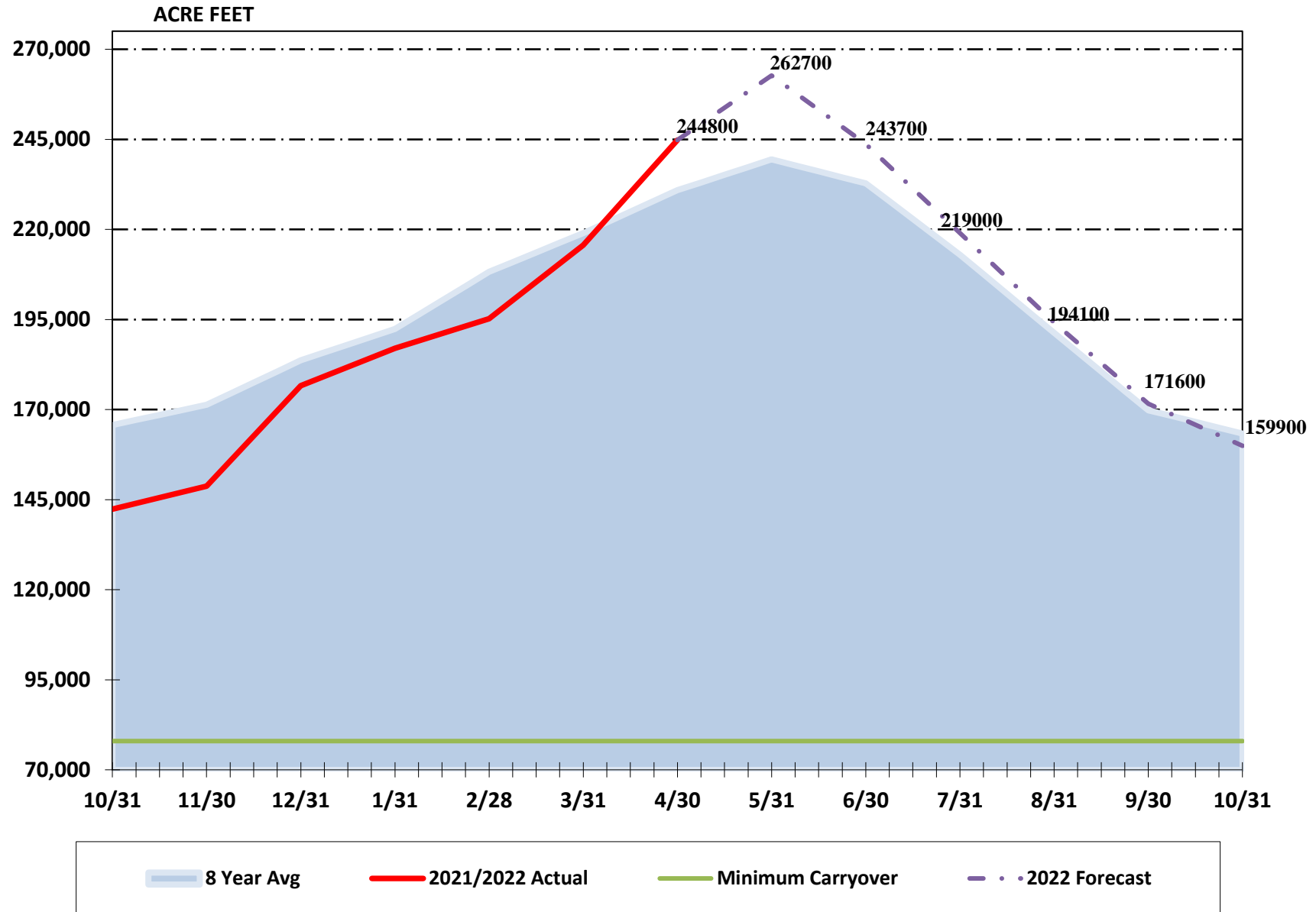


# NID RESERVOIR STORAGE

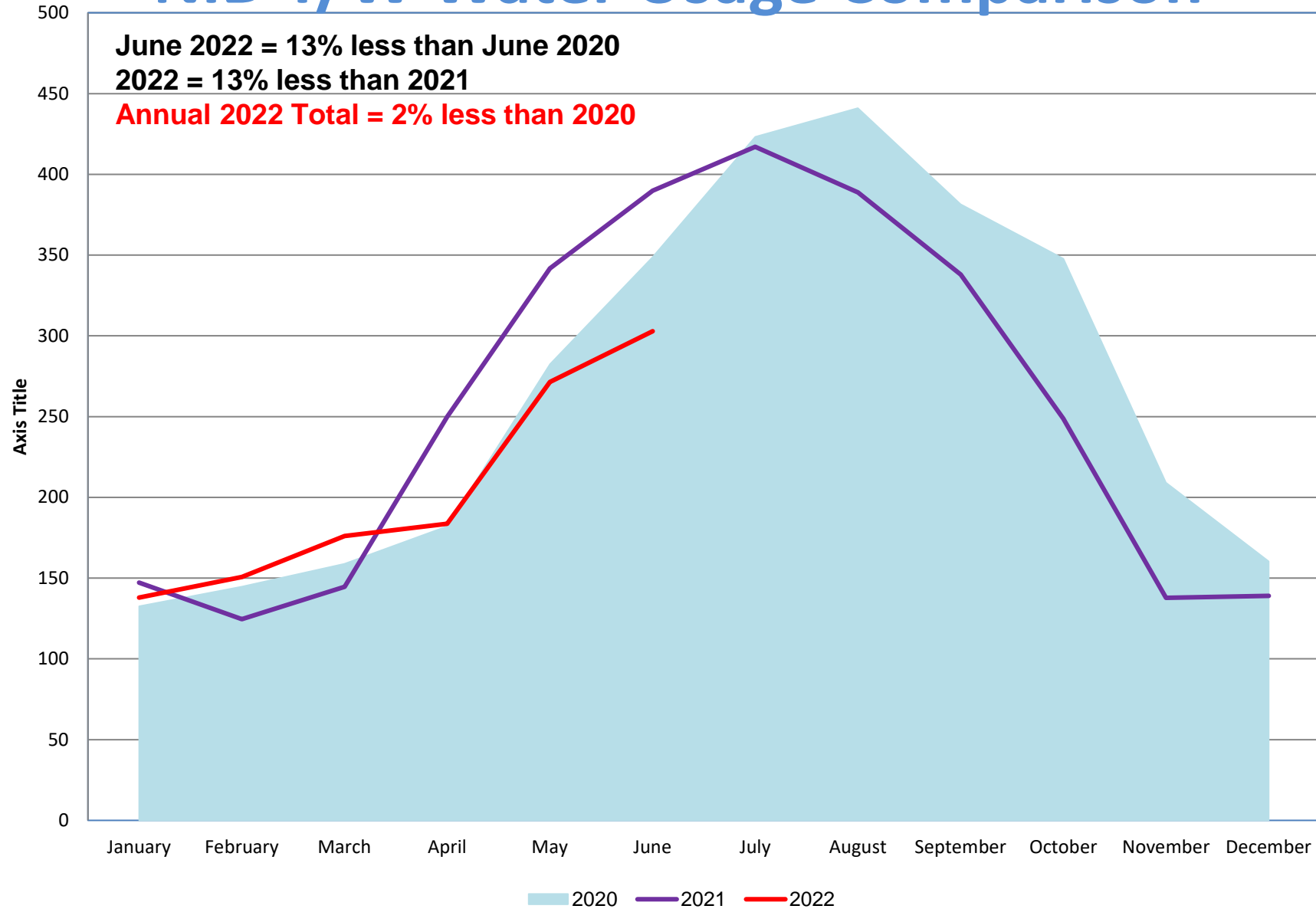




# 2022 STORAGE FORECAST (Current)



# NID T/W Water Usage Comparison

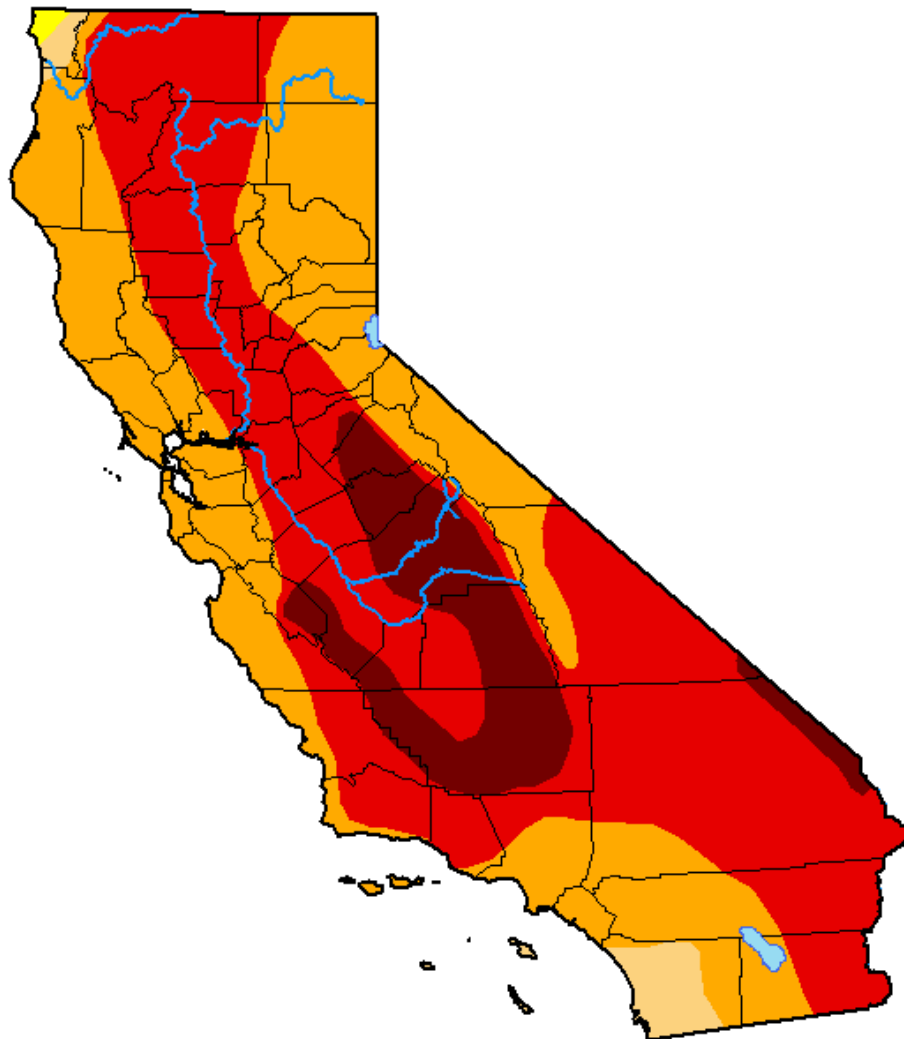


# U.S. Drought Monitor California







July 5, 2022

(Released Thursday, Jul. 7, 2022)

Valid 8 a.m. EDT



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

### Author:

Brad Pugh  
CPC/NOAA



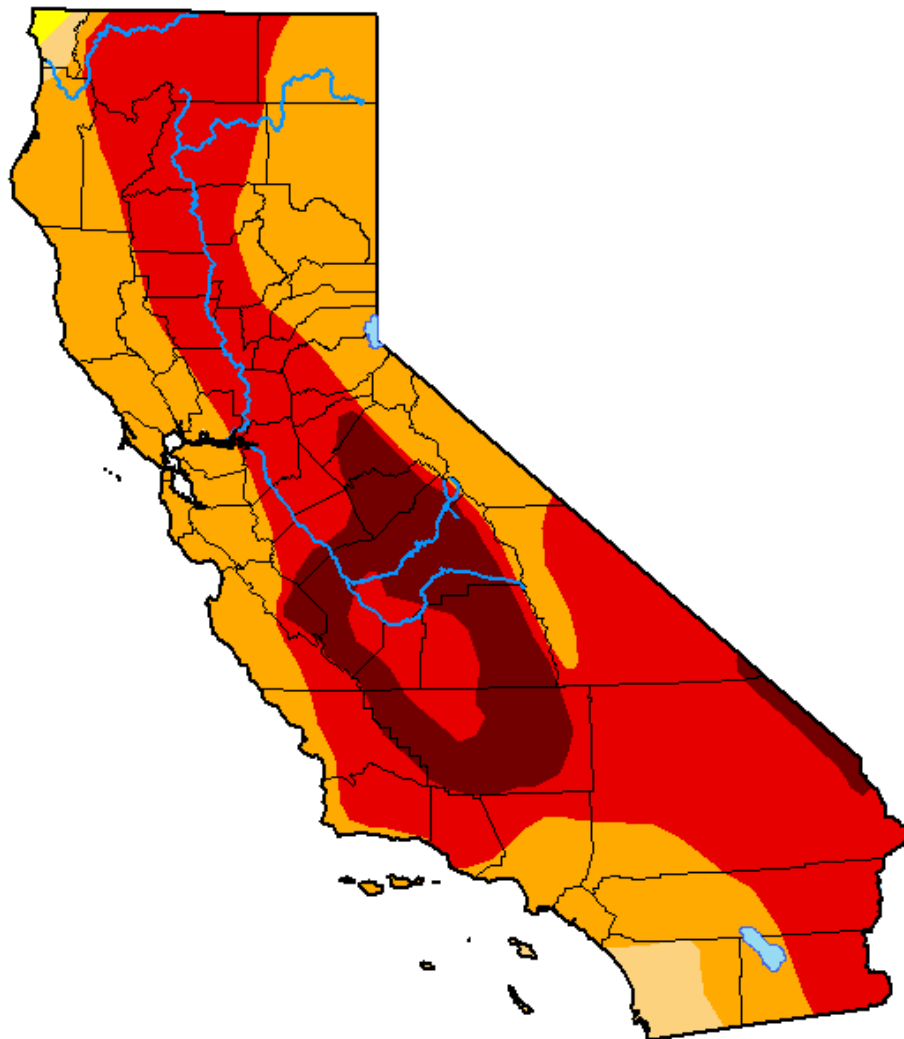
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Drought Monitor California







July 19, 2022

(Released Thursday, Jul. 21, 2022)

Valid 8 a.m. EDT



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

### Author:

Brian Fuchs  
National Drought Mitigation Center



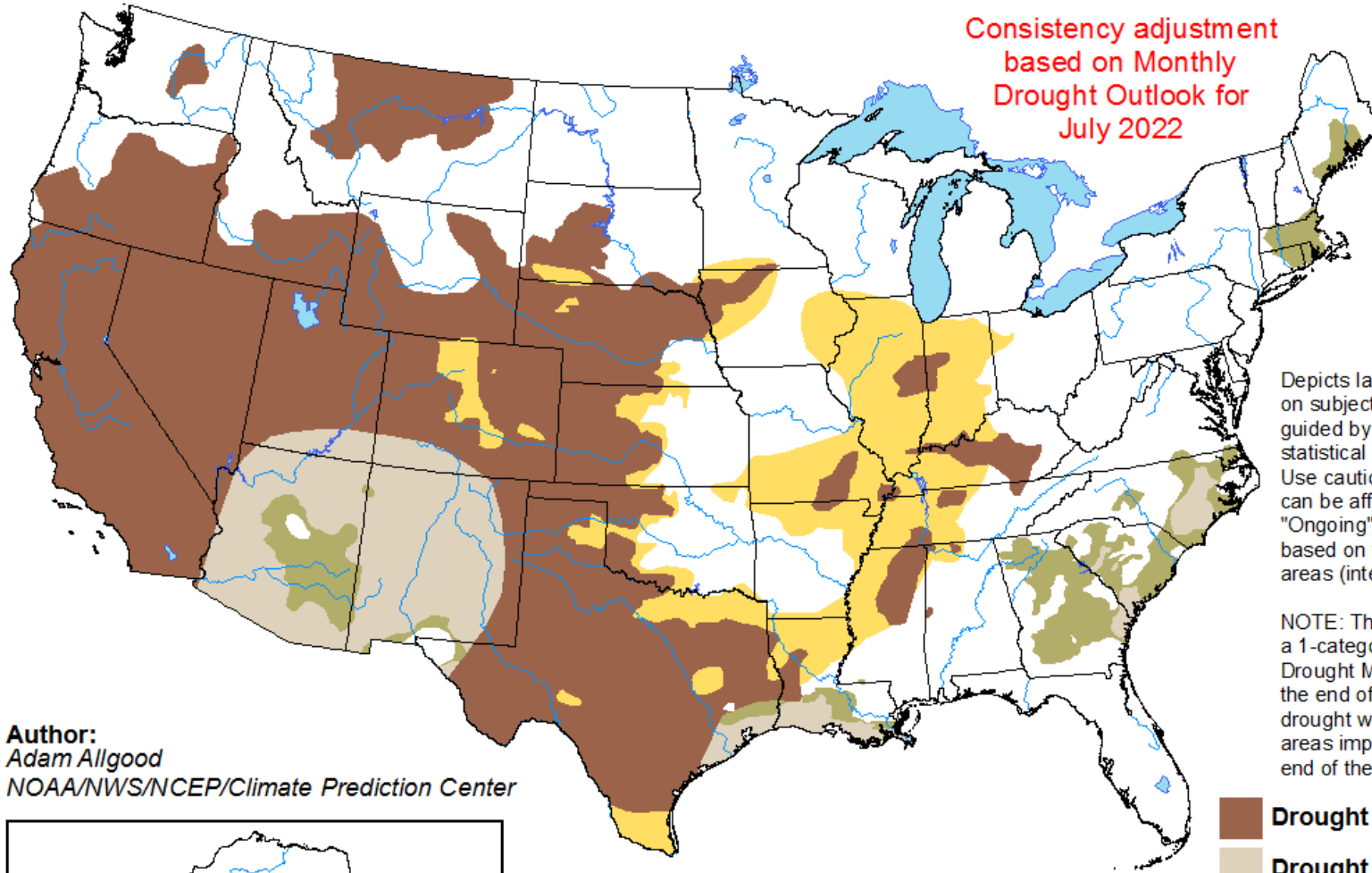
[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for July 1 - September 30, 2022  
Released June 30, 2022

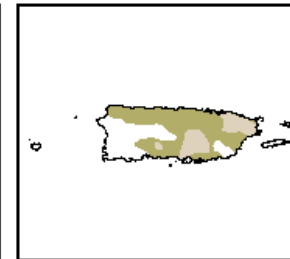
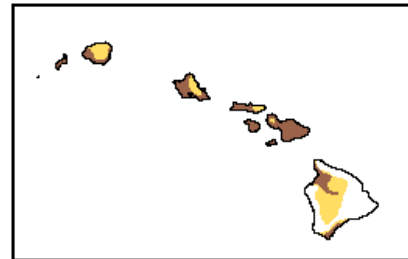
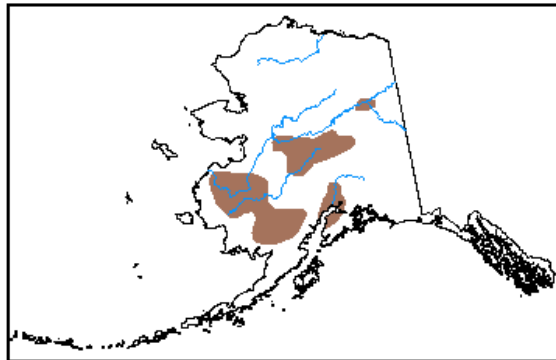
Consistency adjustment  
based on Monthly  
Drought Outlook for  
July 2022







Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:  
Adam Allgood  
NOAA/NWS/NCEP/Climate Prediction Center



-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>