



Water Resources Division

Drought Update

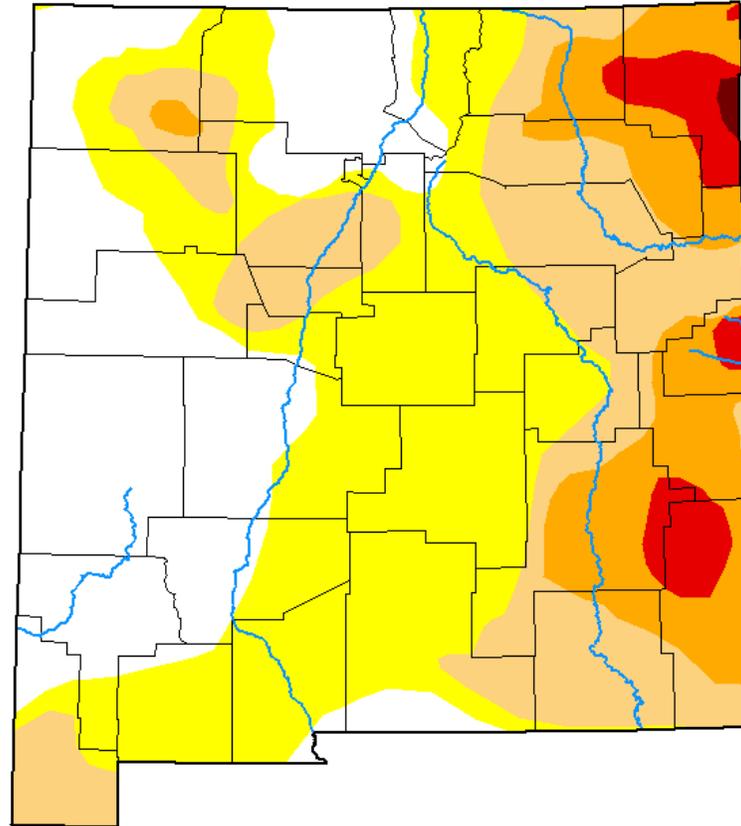
Mark Kelly, PE

Water Resources Division Manager

U.S. Drought Monitor New Mexico

March 7, 2023
(Released Thursday, Mar. 9, 2023)
Valid 7 a.m. EST

Drought Monitor



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	28.27	71.73	37.12	15.52	3.82	0.19
Last Week 02-28-2023	25.96	74.04	44.75	16.46	3.82	0.19
3 Months Ago 12-06-2022	7.02	92.98	42.02	18.42	3.74	0.19
Start of Calendar Year 01-03-2023	7.03	92.97	41.30	18.55	3.74	0.19
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 03-08-2022	0.00	100.00	98.92	85.09	34.52	3.85

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>

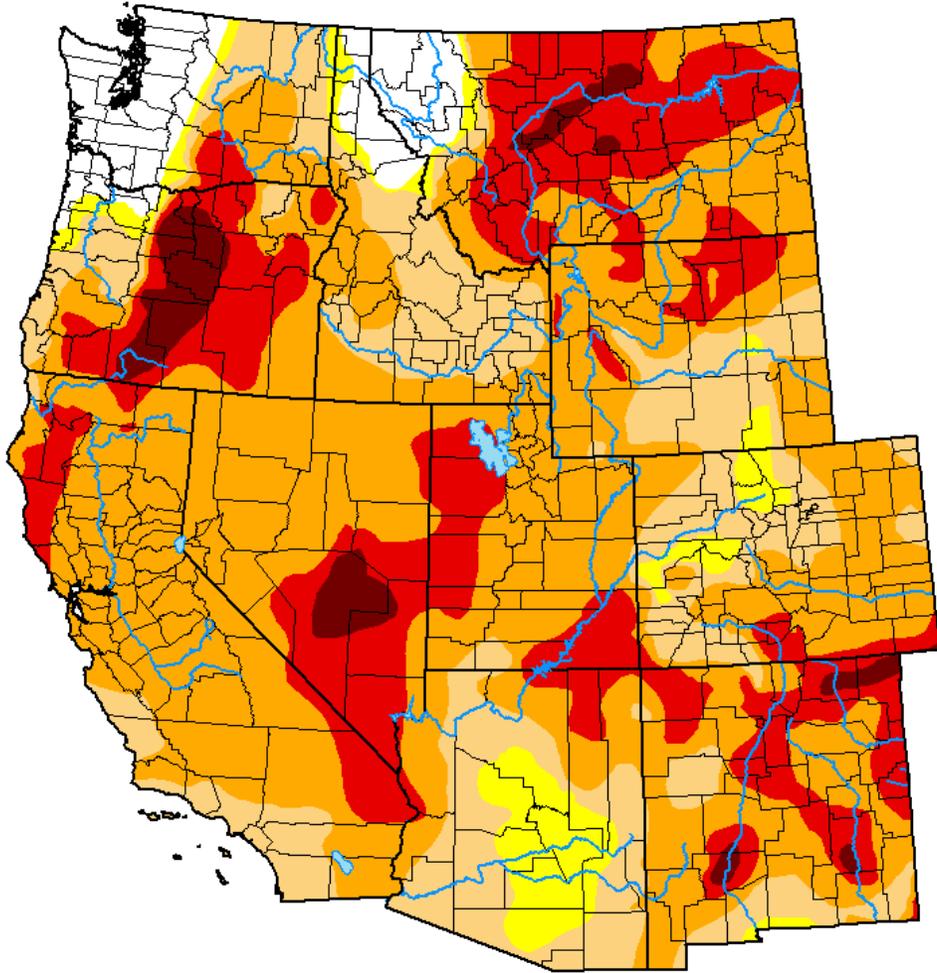
Author:

Deborah Bathke
National Drought Mitigation Center

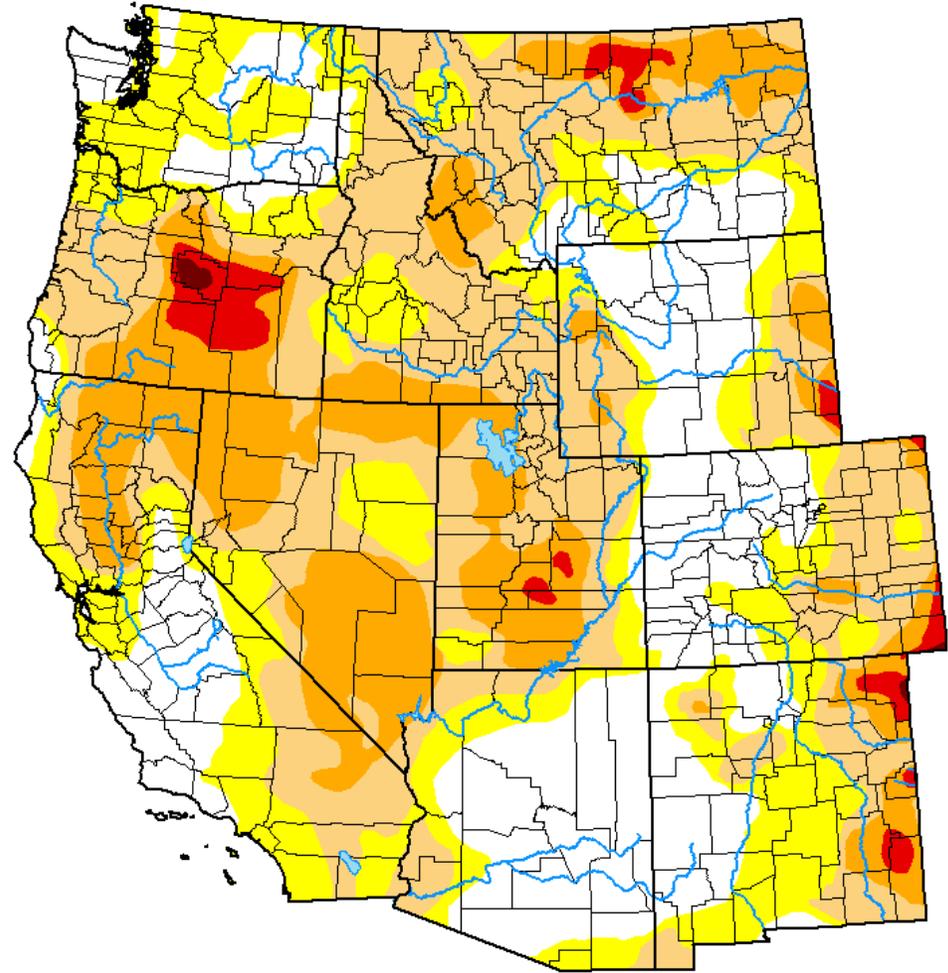


droughtmonitor.unl.edu

Regional Drought Monitor



March 8, 2022

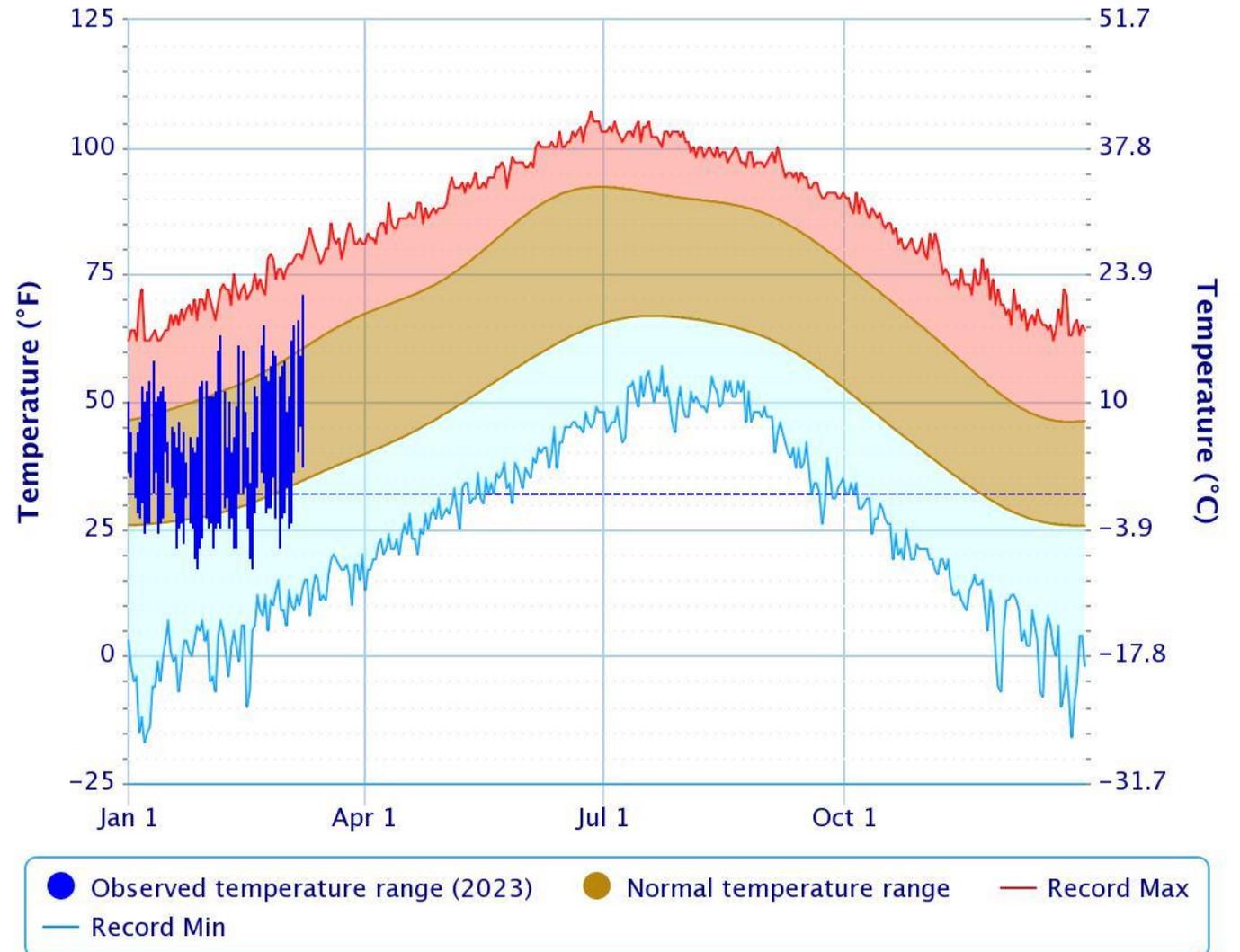


March 7, 2023

Albuquerque Temperature

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

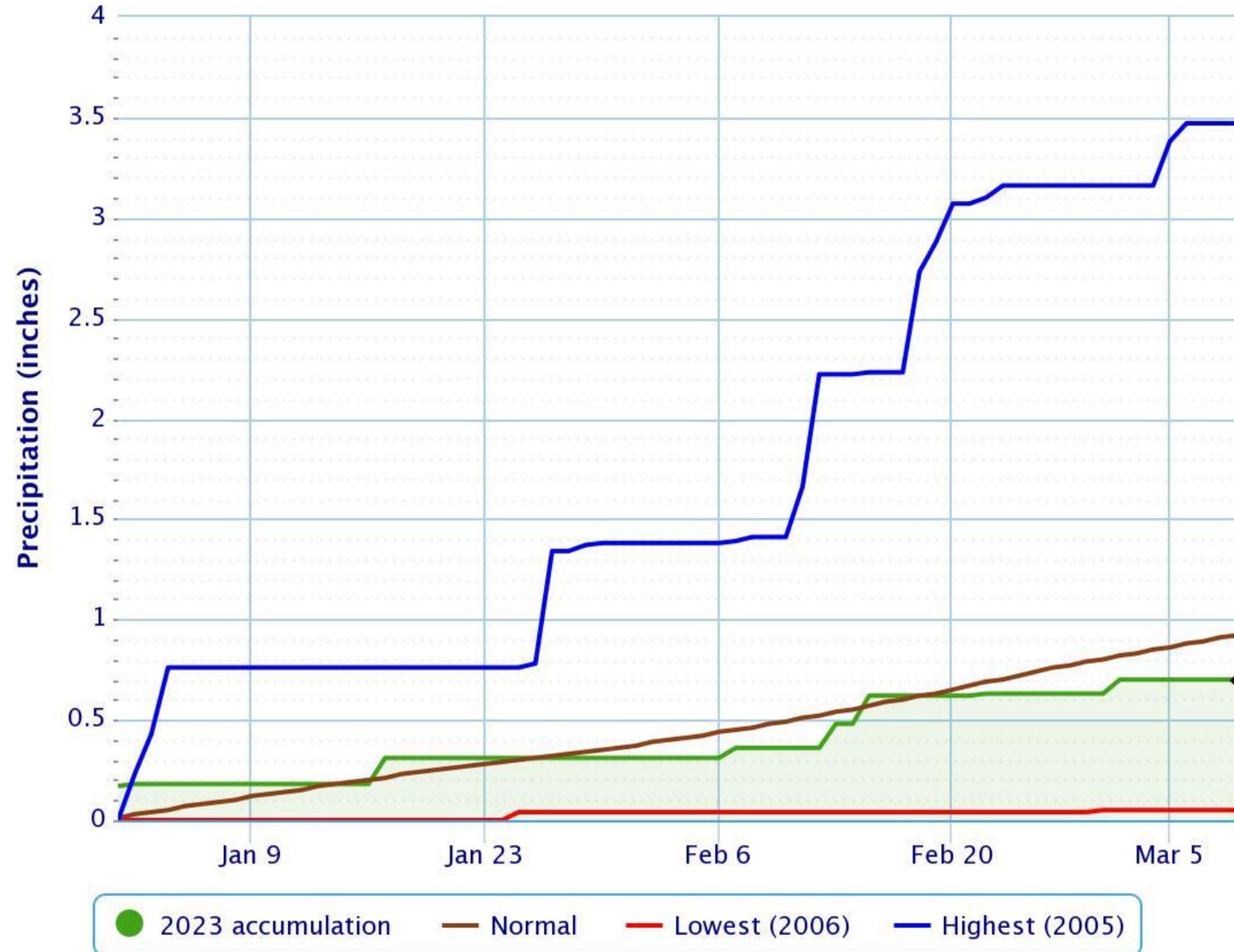
Period of Record – 1891-12-01 to 2023-03-08. Normals period: 1991-2020. Click and drag to zoom chart.



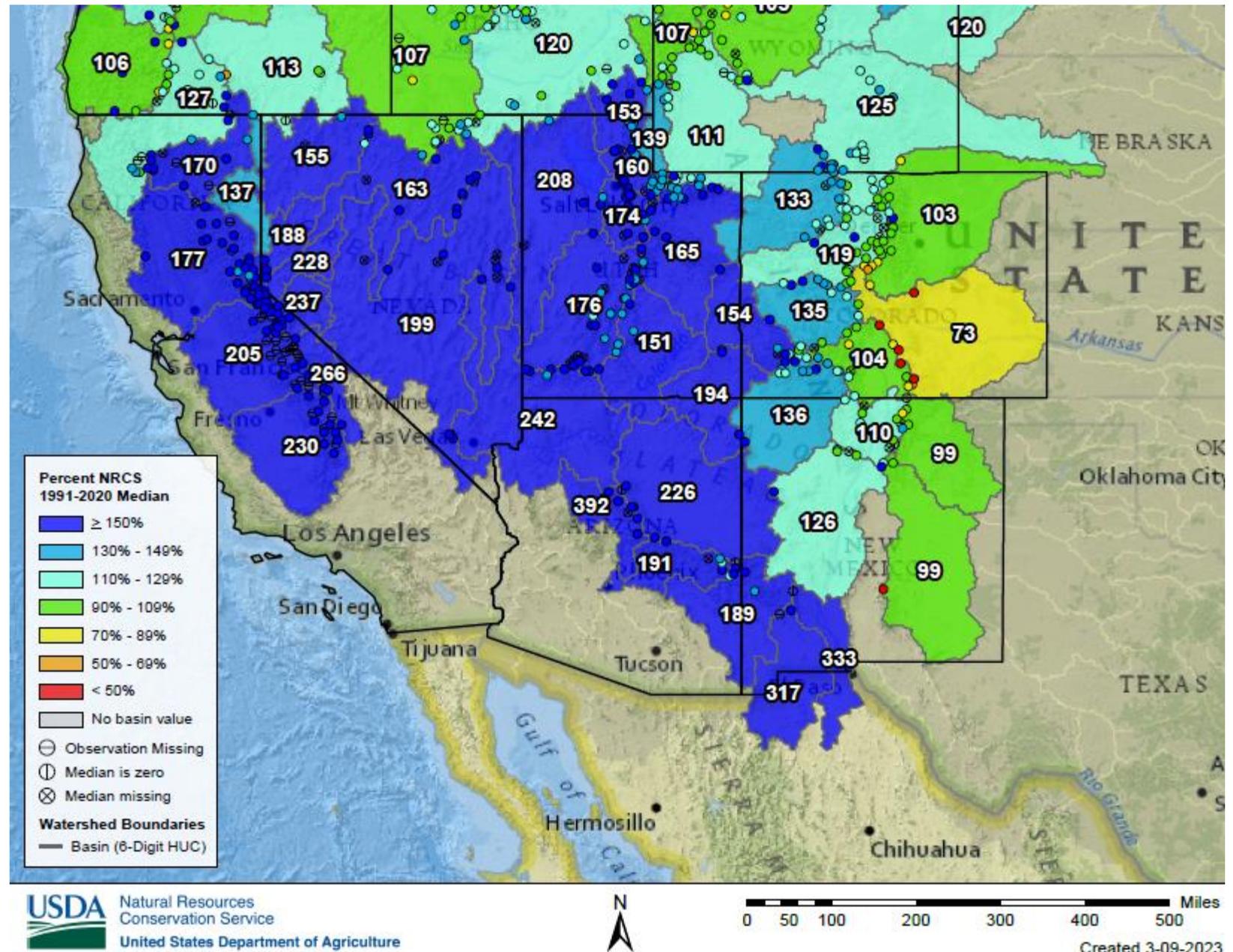
Albuquerque Precipitation

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



Regional Snow Accumulation

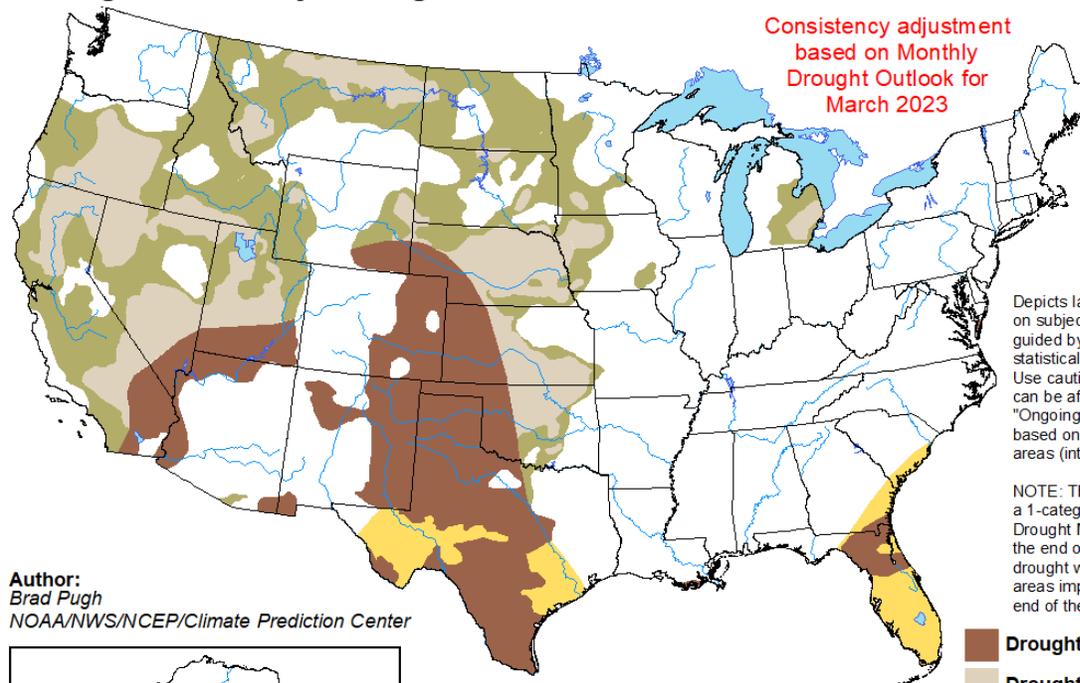


Seasonal Drought Outlook

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for March 1 - May 31, 2023
Released February 28, 2023

Consistency adjustment
based on Monthly
Drought Outlook for
March 2023

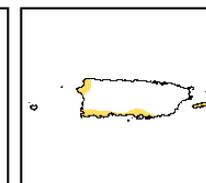
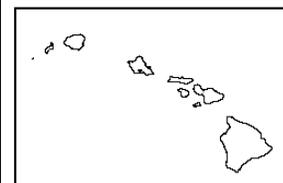
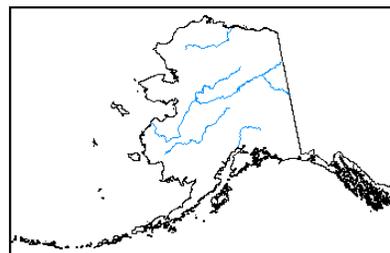


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center



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



Questions?



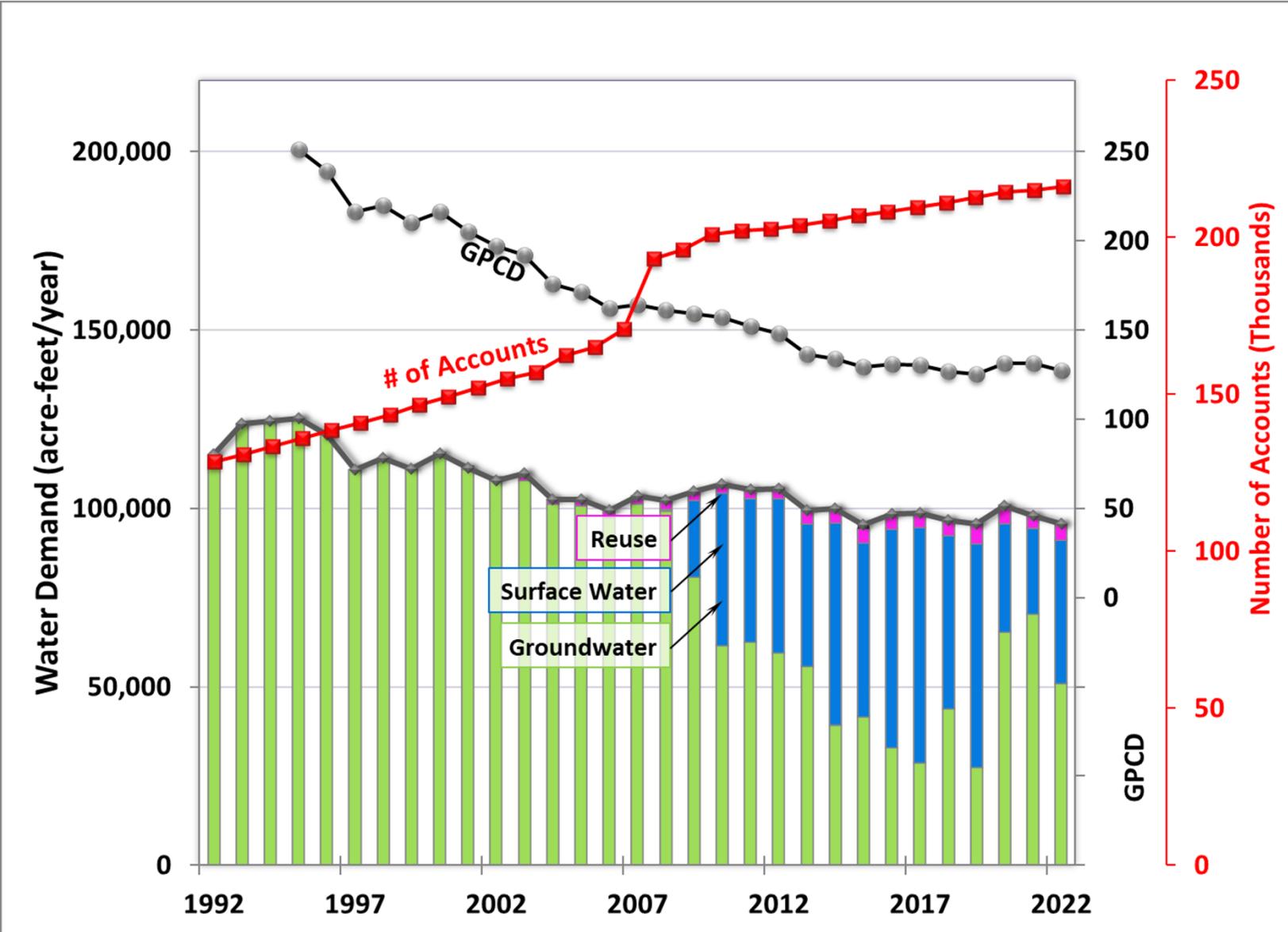
Mark Kelly, PE
Water Resources Division Manager



Conservation

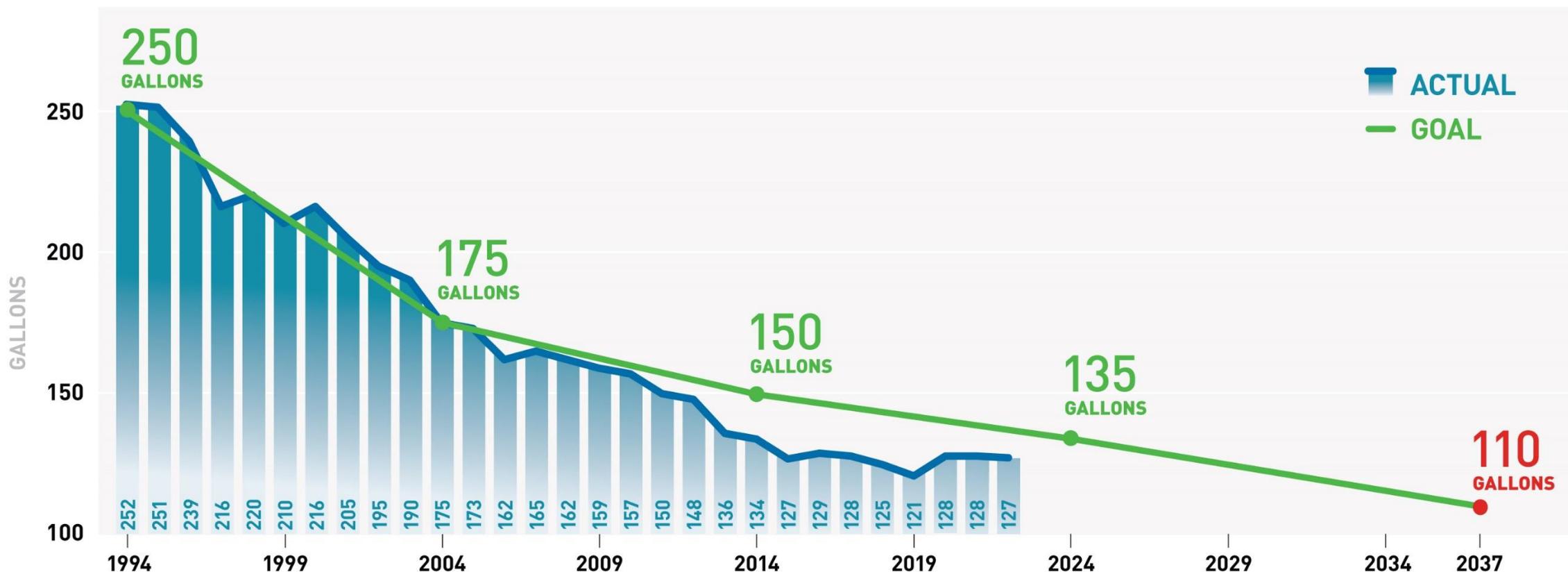
Water Resources Division

Water 2120 Policy D Continued progress in conservation to achieve a gallons per capita per day (GPCD) water usage of 110 will further extend our water supplies even in the face of climate change. The Authority shall utilize the conservation program to reduce GPCD to 110 by 2037.

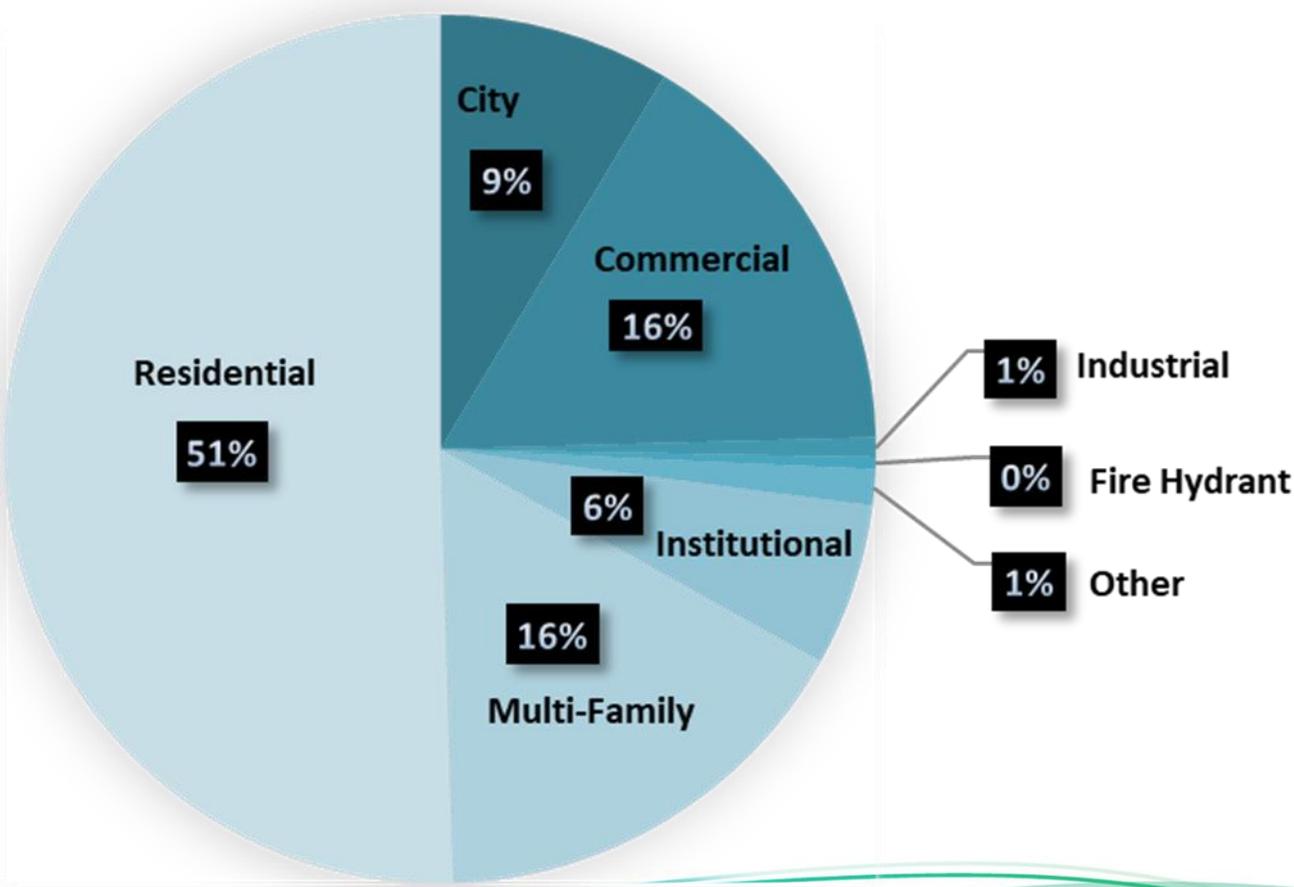




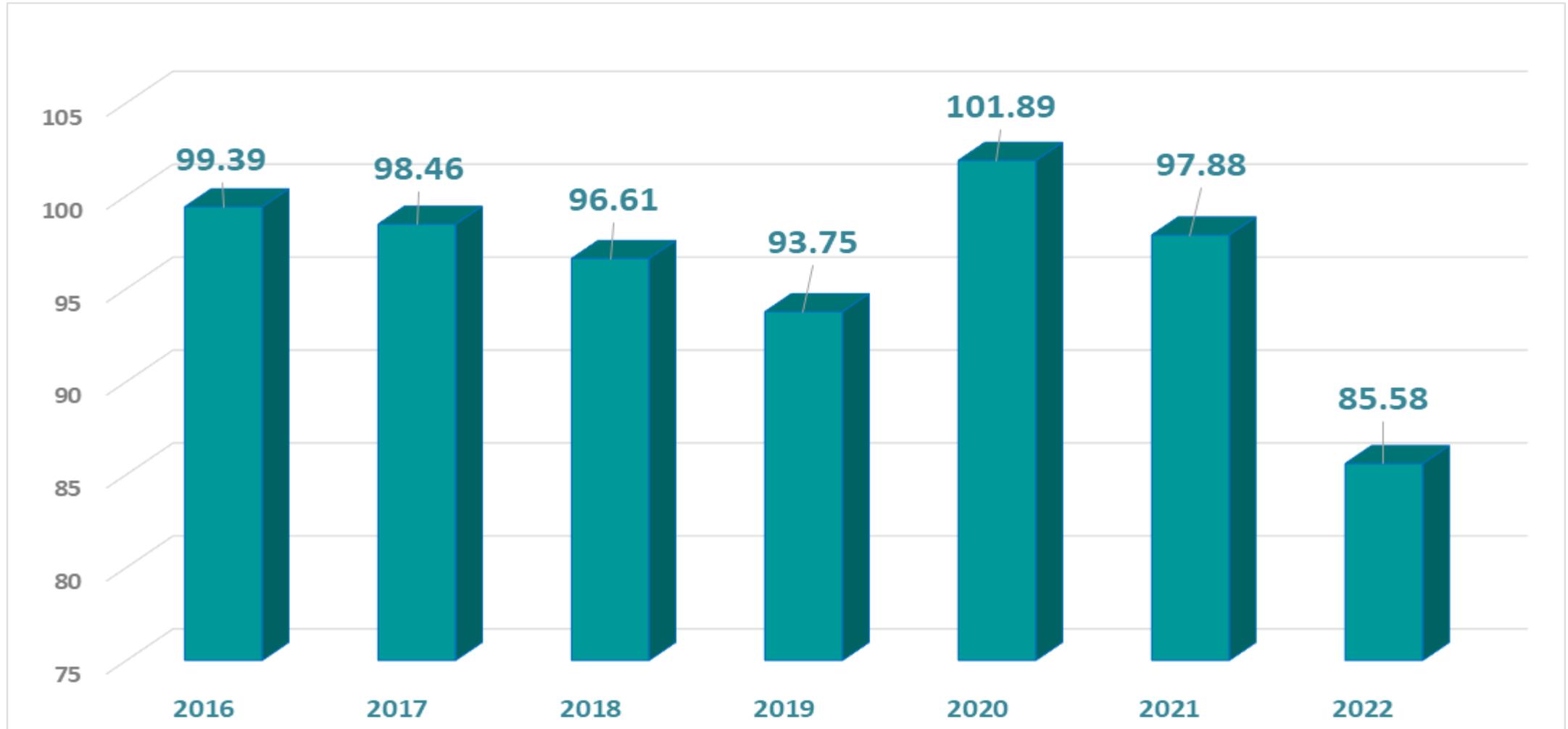
Gallons Per Capita Per Day, 1994-2037



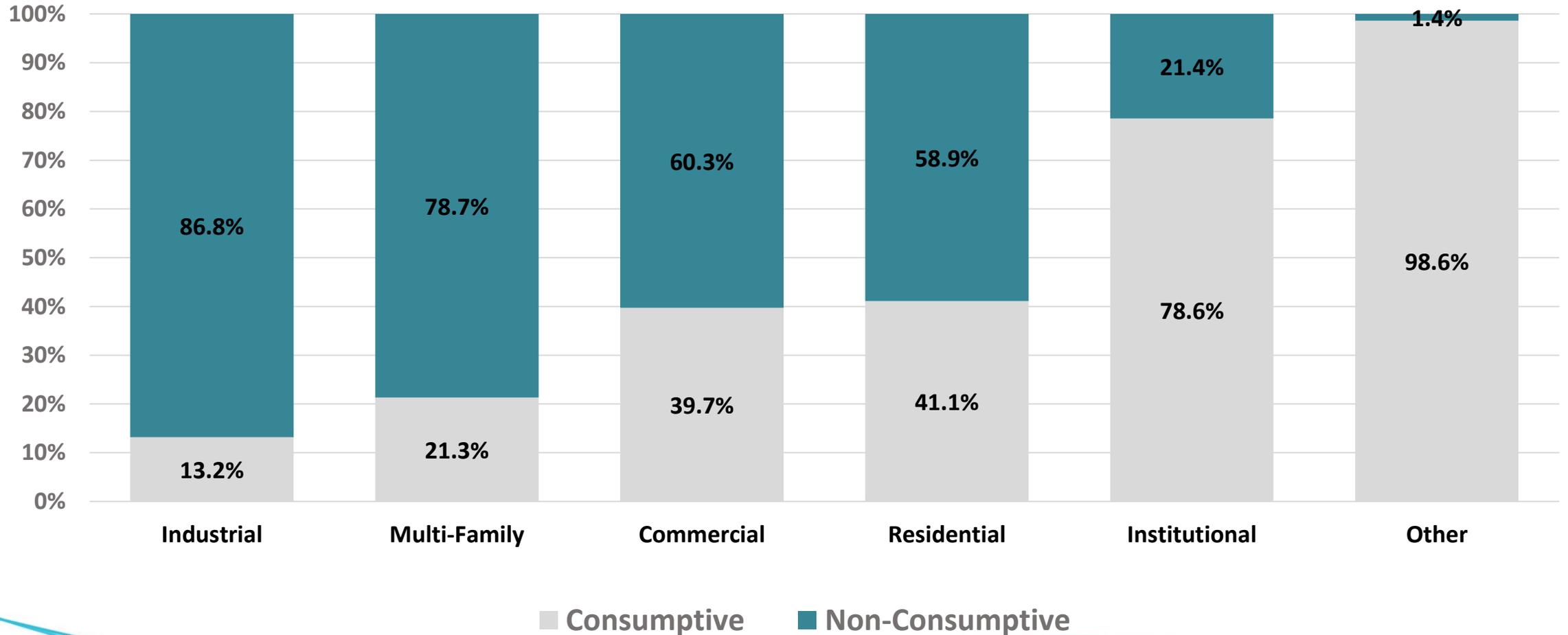
Current Demand by Customer Class



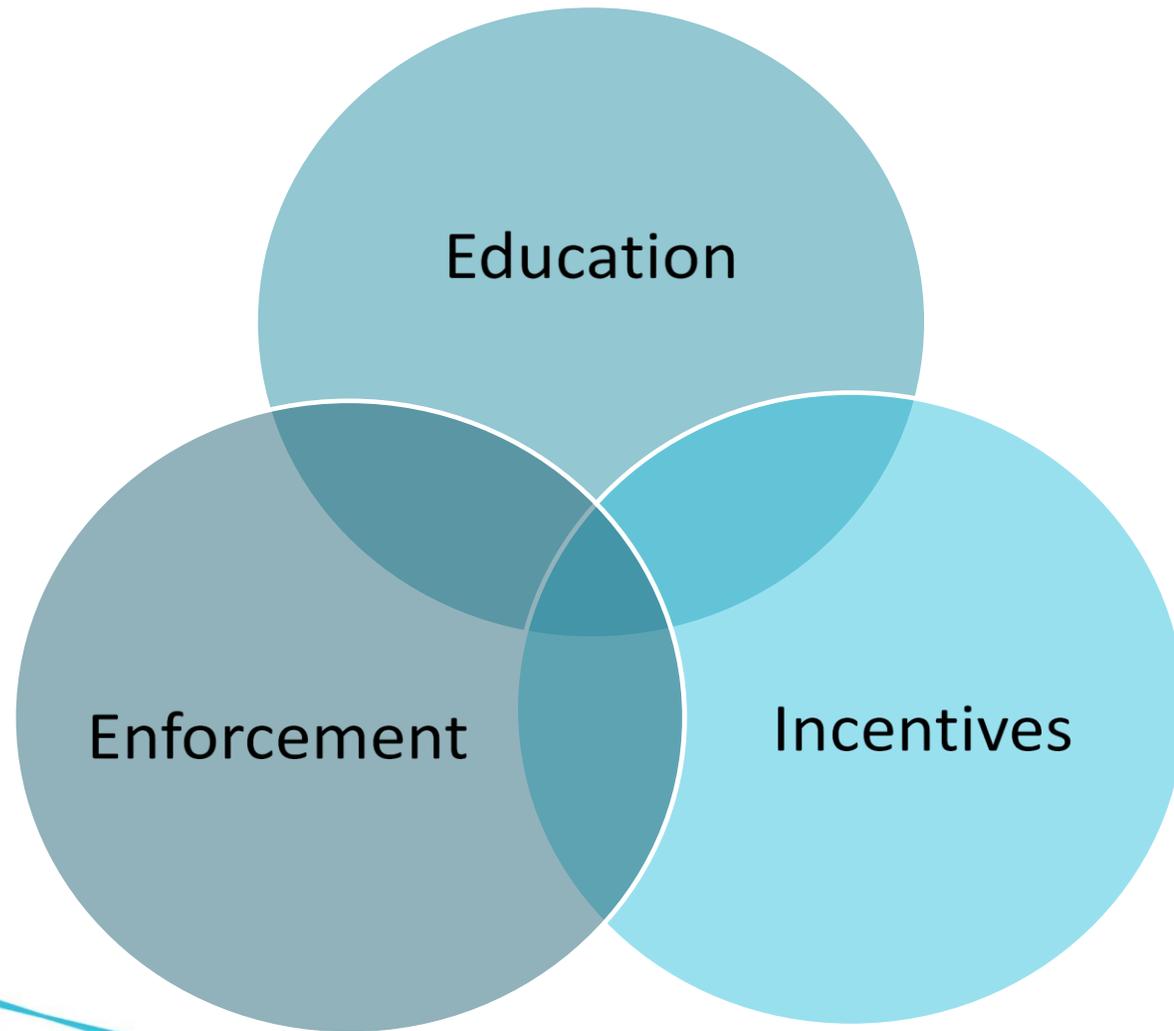
Residential GPCD



Consumptive Use by Customer Class



Conservation works to achieve this goal through a three-part strategy:



Education: We educate our customers through our 505Outside website, print publications, on site consultations, workshops and presentations. Also, started a Water Smart Academy for professional landscapes in 2020.

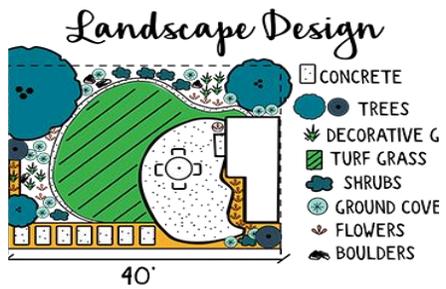
Incentives: We provide several rebates focused on outdoor water conservation, as well as a Water Smart Customer Performance Rebate (Water Smart CPR). Also offer leak audits, conservation kits and a washing machine rebate.

Enforcement: We are responsible for managing compliance with the [Water Waste Reduction Ordinance](#). This involves inspecting reports of water waste, working with owners and property managers to resolve issues, and assessing fees

Conservation Education

- Community classes
- Large Users Water Management Reports
- Partners Leak Report and Audits
- Customer support
 - Free conservation kits
 - Ask an Expert
 - Leak Phone Consultations
 - Irrigation Consultations
 - Low Income Audits, Retrofit Kits
- 505 Outside website and monthly newsletter
- Irrigation Guide
- Water Smart Academy: professional landscapers

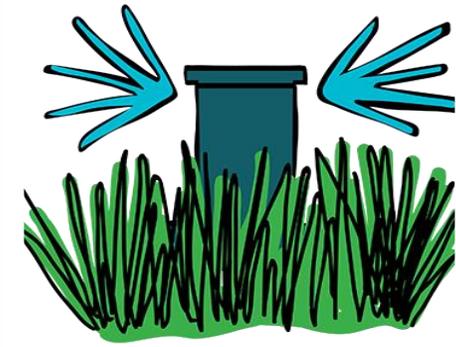




Xeriscape
Conversions



Rain Barrels



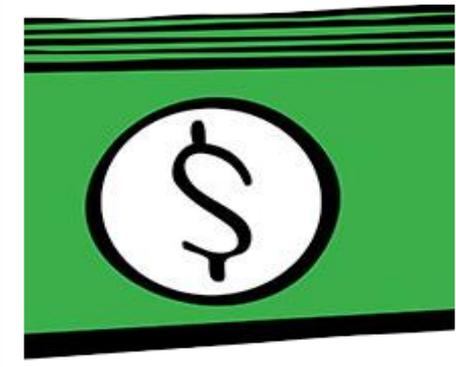
High Efficient
Nozzles



Smart Controllers



Treebates



Water Smart CPR

Incentives: Rebates



Conservation Enforcement

- Then: fees
- Now: Warnings, Consultations, then Violations.



The Drought plan is in place to manage demand during drought to help our community stay in alignment with yearly conservation goals.





Questions?