

Welcome

- Please keep your phone muted during the meeting
- Type your question/comment in the chat box and it will be read and addressed
- With any technical difficulties please contact ADWR Help Desk at 602-771-8444 or tickets@azwater.gov



Prescott AMA GUAC

January 24th, 2024



Meeting Agenda

1. Meeting Logistics – Nicholas Mason, ADWR

2. Water Management Assistance Program Updates

a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Melissa Sikes, ADWR

The Council will hear the status of the WMAP fund and current projects.

3. WMAP Completed Project Presentation

a. Town of Prescott Valley's Water Smart Customer Portal – Tracy Lund, Town of Prescott Valley

4. Supply and Demand Assessment Results – Collin Wogenstahl, ADWR

Collin will present the 2023 Supply and Demand assessment results

5. Drought Status Update – Maggie Martin, ADWR

Maggie will provide an annual drought status update (with focus on the Salt and Verde River Watersheds)

6. Governor's Water Policy Council Update – Laney Meeker, ADWR

Laney will provide an update from the Governors water policy council

7. AMA Director Report – Natalie Mast, ADWR

Natalie will provide an update on ADWR activities & staffing

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PRESCOTT ACTIVE MANAGEMENT AREA

Withdrawal Fees Information

Year		2019	2020	2021	2022	2023	2024	2025
WMAP	Fee	\$1.00	\$1.00	\$1.25	\$1.25	\$1.25	\$1.25	Max \$2.00
	Collected	\$12,482	\$13,803	\$17,329	\$13,971	N/A	N/A	
Administration & Enforcement	Fee	\$1.00	\$1.00	\$0.75	\$0.75	\$0.75	\$0.75	Min. \$0.50 Max. \$1.00
	Collected	\$12,482	\$13,803	\$10,720	\$8,382	N/A	N/A	
Total	Fee	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	TBD
	Collected*	\$26,825	\$30,828	\$31,521	\$24,930	N/A	N/A	

Water Management Assistance Program Fund

Current Balance: \$108,447

Encumbered/committed: \$4,570

Remaining Balance: \$103,877

Groundwater Conservation Grant Projects

Town of Prescott Valley Water Smart Customer Portal

* Utilize Water Smart computer software to provide real-time leak alerts and connect water customers to their current and historic water use record.

CONTRACT NUMBER	WMAP FUNDS	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
2020-3127 IGA	-	\$77,313	\$0	11/30/2023

Groundwater Conservation Grant Projects

Rainwater Harvesting for Aquifer Recharge

* Install a rainwater harvesting system to capture water from roof structures and recharge the aquifer

CONTRACT NUMBER	WMAP FUNDS	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
2020-3128	-	\$65,131	\$10,131	12/31/2024

Groundwater Conservation Grant Projects

SR 89 Stormwater Recharge Pilot Project

* Pilot study to examine feasibility of connecting stormwater detention basins to collect and divert storm water flow from SR 89 to the aquifer through dry wells.

CONTRACT NUMBER	WMAP FUNDS	TOTAL FUNDING	REMAINING FUNDING	CONTRACT ENDS
2020-3119 IGA	\$67,444	\$75,000	\$4,570	12/31/2024

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Prescott Valley's WaterSmart Portal

January 2024

Prescott AMA Groundwater User's Advisory Council



Project Background

- This project coupled meter replacements (drive-by meters converted to AMI Smart Meters and FlexNet MXU transmitters) with incorporation of data into a new WaterSmart customer portal to handle billing, usage and outage alerts, and encourage conservation by customers
- Equipment purchases to support the WaterSmart Portal began July 2021
- Portal went live in December 2021
- Supply chain issues slowed down replacement of equipment until September-October 2023

Project Background

- We are now ramping up meter and MXU replacements throughout the system, not just for malfunctions and new construction
- GMAP grant funds went toward the purchase of the Portal computer software from Sensus Analytics
- The Town has matched those grant funds through the purchase and installation of meters and by maintaining the Portal subscription



[LOGIN](#)

[MAKE A ONE-TIME PAYMENT](#)

Welcome to Town of Prescott Valley Online BillPay

* Required Fields

* Login ID

* Password

[Forgot your Login ID?](#)

[Password Help?](#)

Login

Don't have a Login ID?

Enroll today to set up your secure user name and password, view and pay bills, and see your account status and payment history.

Enroll


WELCOME TO ONLINE BILLPAY!

Welcome to our Online BillPay and WaterSmart Portal! Enroll to go paperless, make payments by card or bank account, and sign up for AutoPay.



* Required Fields


Home

<h3>Account Number</h3> <p>Account Number <input type="text" value="110015-171"/></p> <p>View Bill & WaterSmart Portal</p>	Statement Date 12/20/2023	* Payment Amount
	Due Date 1/9/2024	\$ <input type="text" value="21.93"/>
	Amount Due \$21.93	* Payment Method + Add
		<input type="text"/>
	* Pay Date	<input type="text" value="1/3/2024"/> 

[Continue to Payment](#)

Previous Payments

[View All Payment History](#)

Confirmation #	Payment Method	Payment Date	Total Amount	Status	
▶ 110015-171	ACH	12/5/2023	16.02	Paid	

WATERSMART WATER USAGE

[View](#)

Select view our bill and click on WaterSmart link.

AUTOPAY

[Manage](#)

Auto (Recurring Payment)
Amount due will be paid when the bill is due

* Required Fields

Home

Account Number

Account Number 123012-172 ▾

[View Bill & WaterSmart Portal](#)

Statement Date 12/20/2023

Due Date 1/9/2024

Amount Due \$21.93

* Payment Amount

\$ 21.93

* Payment Method [Add](#)

▾

* Pay Date

1/3/2024 

[Continue to Payment](#)

WATERSMART WATER USAGE

[View](#)

Select view our bill and click on WaterSmart link.

AUTOPAY

[Manage](#)

Auto (Recurring Payment)
Amount due will be paid when the bill is due

Previous Payments

[View All Payment History](#)

Confirmation #	Payment Method	Payment Date	Total Amount	Status	
▶ 123012-172	ACH	12/5/2023	16.02	Paid	

* Required Fields

Home

Account Number

Account Number 129

View Bill & WaterS

Previous Pay

Confirmation #

Document History

[WaterSmart](#)

Account Number	129915 17201
Name	TRACY LUND
Document Type	STATEMENTS
Receive Date	2023-12-20
Bill Date	2023-12-20
Due Date	2024-01-09
Amount Due	21.93
View Document	Download

Account Number	129915 17201
Name	TRACY LUND
Document Type	STATEMENTS
Receive Date	2023-11-15
Bill Date	2023-11-15
Due Date	2023-12-05
Amount Due	16.02
View Document	Download

 TRACY LUND

 English (US) ▾

WATERSMART WATER

[View](#)

View your bill and click on
the link.

PAY

[Manage](#)

(Arranging Payment)
The amount will be paid when the



[Home](#)

[Billing](#)

[Track](#)

[Take Action](#)

[Settings](#)

SERVICE ADDRESS

0000 E. Main Street, Prescott Valley, AZ 86301

ACCOUNT NUMBER

0000 10 12345

My Daily Use

28

Gallons Per Day

[View use](#)

[Compare your past use for this billing period.](#)



Recommended



Check Your Rubber Hoses

Avoid Big Charges

[See more](#)

Notifications



No new notifications

Explore and track your use in the meantime.

[Explore](#)

CONTACT US

I Want To...



[Understand a high bill](#)



[Sign up for unusual use alerts](#)



SERVICE ADDRESS

3333 E Lakeshore Dr, A, Prescott Valley, AZ 86311

ACCOUNT NUMBER

1233 13 17231

HOURLY

OVERVIEW

Hourly

DAY

WEEK

2 WEEKS

2 MONTHS

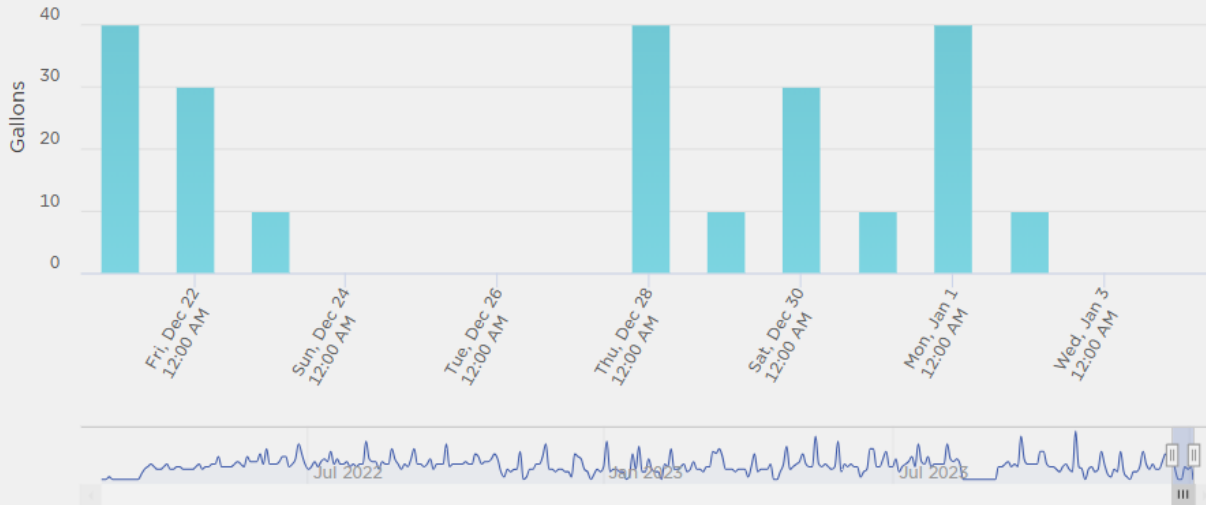
YEAR

Dec 21, 2023

Jan 3, 2024

● Normal Use ● Possible Leak ● Data Unavailable

Last updated Wednesday, Jan 3, 2024 at 1:00 AM



CONTACT US





SERVICE ADDRESS

ACCOUNT NUMBER

HOURLY

OVERVIEW

Hourly

DAY

WEEK

2 WEEKS

2 MONTHS

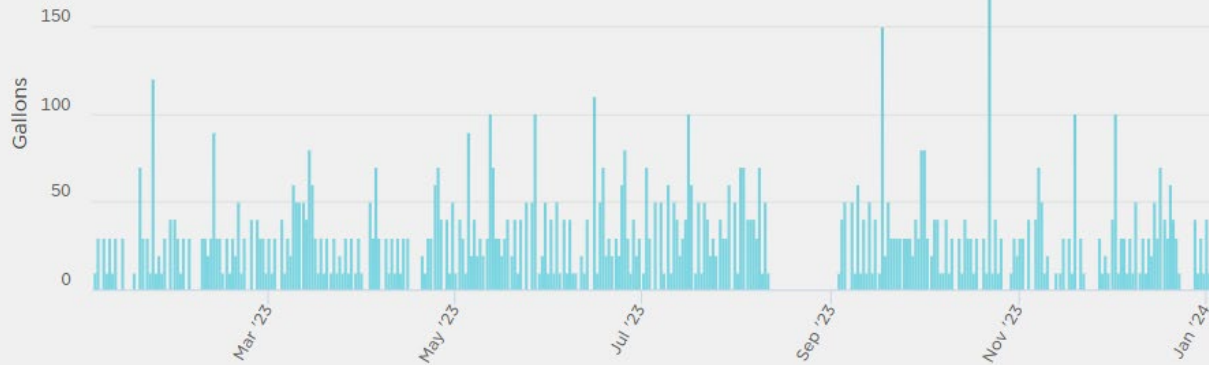
YEAR

Jan 3, 2023

Jan 3, 2024

Normal Use Possible Leak Data Unavailable

Last updated Wednesday, Jan 3, 2024 at 1:00 AM



CONTACT US





SERVICE ADDRESS

3333 E Lakeshore Dr, Prescott Valley, AZ 86311

ACCOUNT NUMBER

1233 13 17231

HOURLY

OVERVIEW

Hourly

DAY

WEEK

2 WEEKS

2 MONTHS

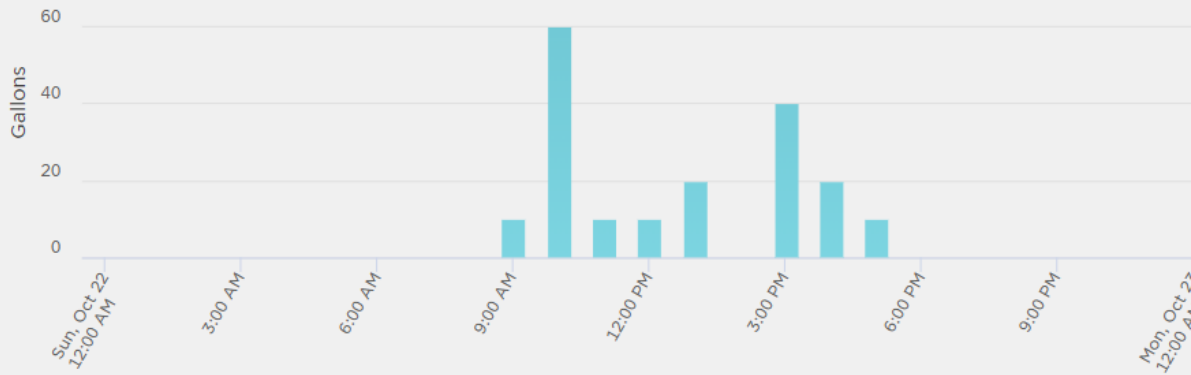
YEAR

Oct 22, 2023

Oct 23, 2023

● Normal Use ● Possible Leak ● Data Unavailable

Last updated Wednesday, Jan 3, 2024 at 1:00 AM



CONTACT US





SERVICE ADDRESS

ACCOUNT NUMBER

Payment

View Bill

Pay Bill

Evaluate Bill

Compare Bill

Forecast Bill

CONTACT US

View Bill

Bill Amount

\$21.93

DUE JAN 9, 2024

Bill date: Dec 20, 2023

Account Number: 129645-47294

View bill

Pay Bill

Billing History

Date	Type	Amount	
Dec 20, 2023	Bill	\$21.93	View
Nov 15, 2023	Bill	\$16.02	View
Oct 18, 2023	Bill	-\$5.91	View
Sep 20, 2023	Bill	-\$27.84	View





SERVICE ADDRESS

3000 E Lakeshore Dr, A, Prescott Valley, AZ 86311

ACCOUNT NUMBER

120010 17201

Payment

View Bill

Pay Bill

Evaluate Bill

Compare Bill

Forecast Bill

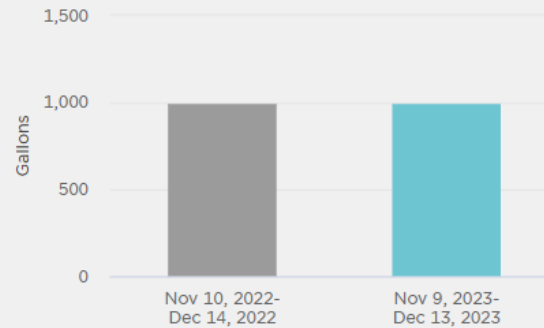
CONTACT US

Evaluate Bill

Compare Billed Water Use

PREVIOUS YEARS

PREVIOUS PERIODS



Your use was about the same as your typical use for this time of year.

Concerned about your bill?

Next Steps

Avoid Bill Surprises

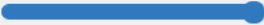
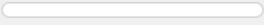
Get notified when you're on track for an unusually high bill, before it arrives.

Set Alerts

Recommended Actions



Communication Preferences

- High Use Notifications**
You will be notified when your daily use is over **5X** times your normal seasonal use.
1X 3X 5X

**Typical Seasonal Use: 35 GPD*
- Email
 Text Message
 Voice Message
-
- Bill Forecast Notifications**
You will be notified if your use in the current period is on track to exceed **2X** times your normal use. We will only contact you a maximum of once per billing period.
1X 3X 5X

**Typical Seasonal Use: 956 gallons*
- Email
 Text Message
 Voice Message
-
- Unplanned Use Notifications**
You will be notified when use from your property exceeds your Daily Threshold setting.
Daily Threshold (Gallons)
- Starts on** **Ends on** Never
- Email
 Text Message
 Voice Message
-
- Utility Connect Messages**
Messages regarding your water utility account, your water use, and utility announcements.
 Email
 Text Message
 Voice Message
-
- Urgent Notices & Service Alerts**
Critical health and safety messages, like water outages and boil notices.
 Email
 Text Message
 Voice Message
-
- Unsubscribe from all non-urgent WaterSmart Program communications**
Turns off all communications except for Urgent Notices & Service Alerts.



Communication Preferences

High Use Notifications
You will be notified when your daily use is over **5X** times your normal seasonal use.

1X 3X 5X

*Typical Seasonal

- Email
- Text Message
- Voice Message

Bill Forecast Notifications
You will be notified if your use in the current period is on track to exceed **2X** times your normal use. We will only contact you a maximum of once per billing period.

1X

*Typical Seasonal

- Email
- Text Message
- Voice Message

Unplanned Use Notifications
You will be notified when use from your property exceeds your Daily Threshold setting.

Daily Threshold

0

- Email
- Text Message
- Voice Message

Starts on

Ends on

01/03/2024

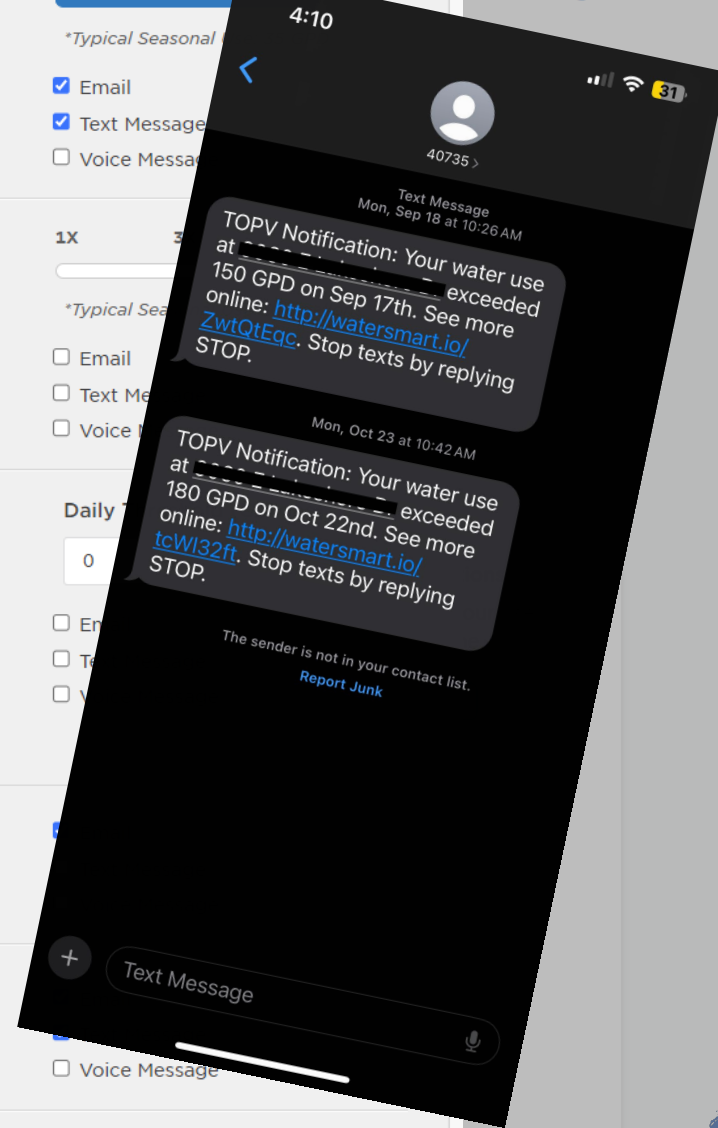
01/13/2024

Never

Utility Connect Messages
Messages regarding your water utility account, your water use, and utility announcements.

Urgent Notices & Service Alerts
Critical health and safety messages, like water outages and boil notices.

Unsubscribe from all non-urgent WaterSmart Program communications
Turns off all communications except for Urgent Notices & Service Alerts.





SERVICE ADDRESS

6600 E Lakeshore Dr, Prescott Valley, AZ 86217

ACCOUNT NUMBER

120018 17207

Recommended (6) Outdoor (21) Indoor (11) Resources (4) All (36)

Recommended Actions

Selected based on your property.

Gallons Per Day (GPD) ⓘ

Check Your Rubber Hoses



[Read more](#)

Avoid Big Charges

Fix Leaking Showerheads



[Read more](#)

Avoid Big Charges

Tree Watering Advice



[Read more](#)

Check shallow-rooted plants



[Read more](#)

Create a fire-resistant landscape



[Read more](#)

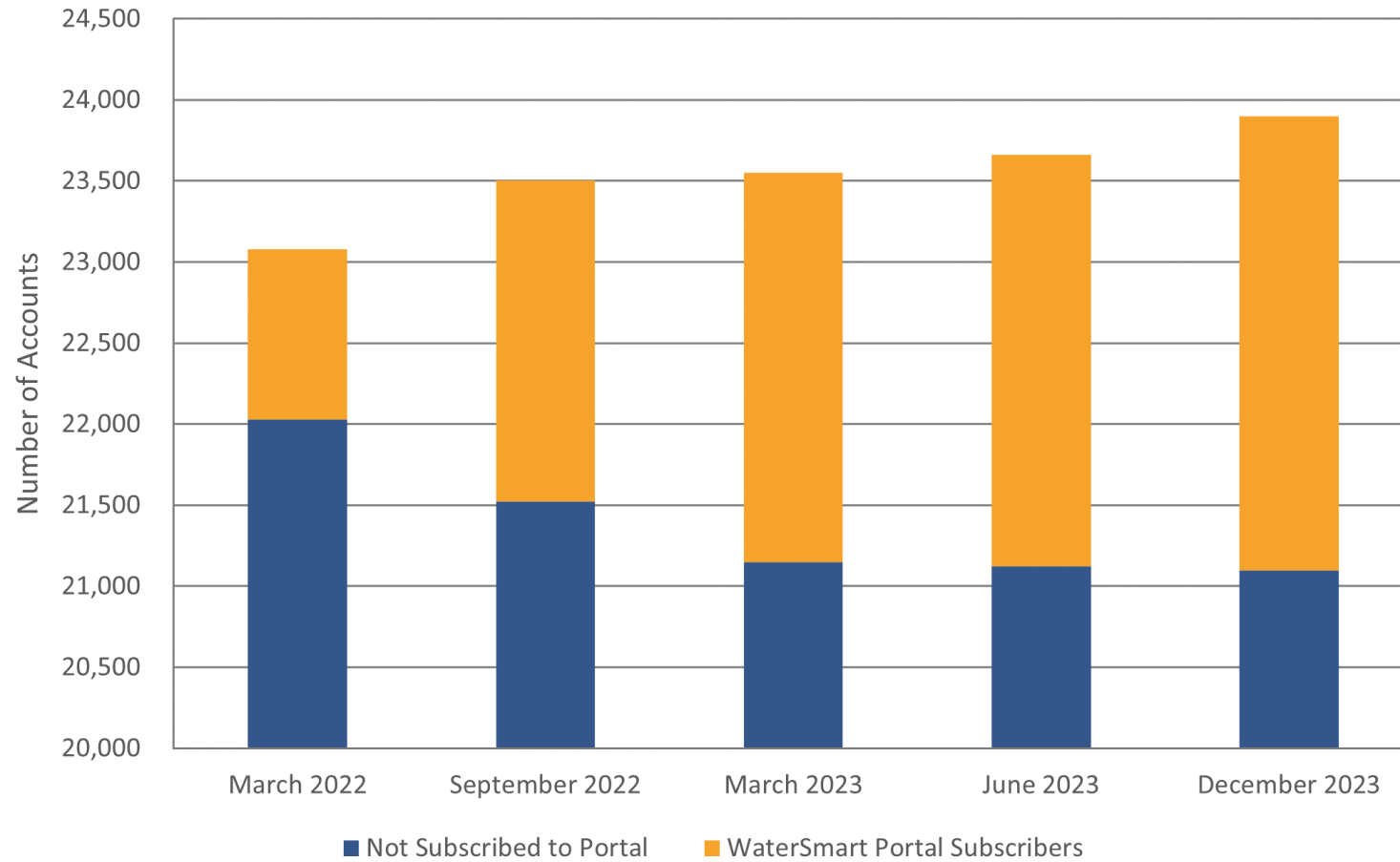
Water Quality Report



[Read more](#)

CONTACT US

Customer Trends



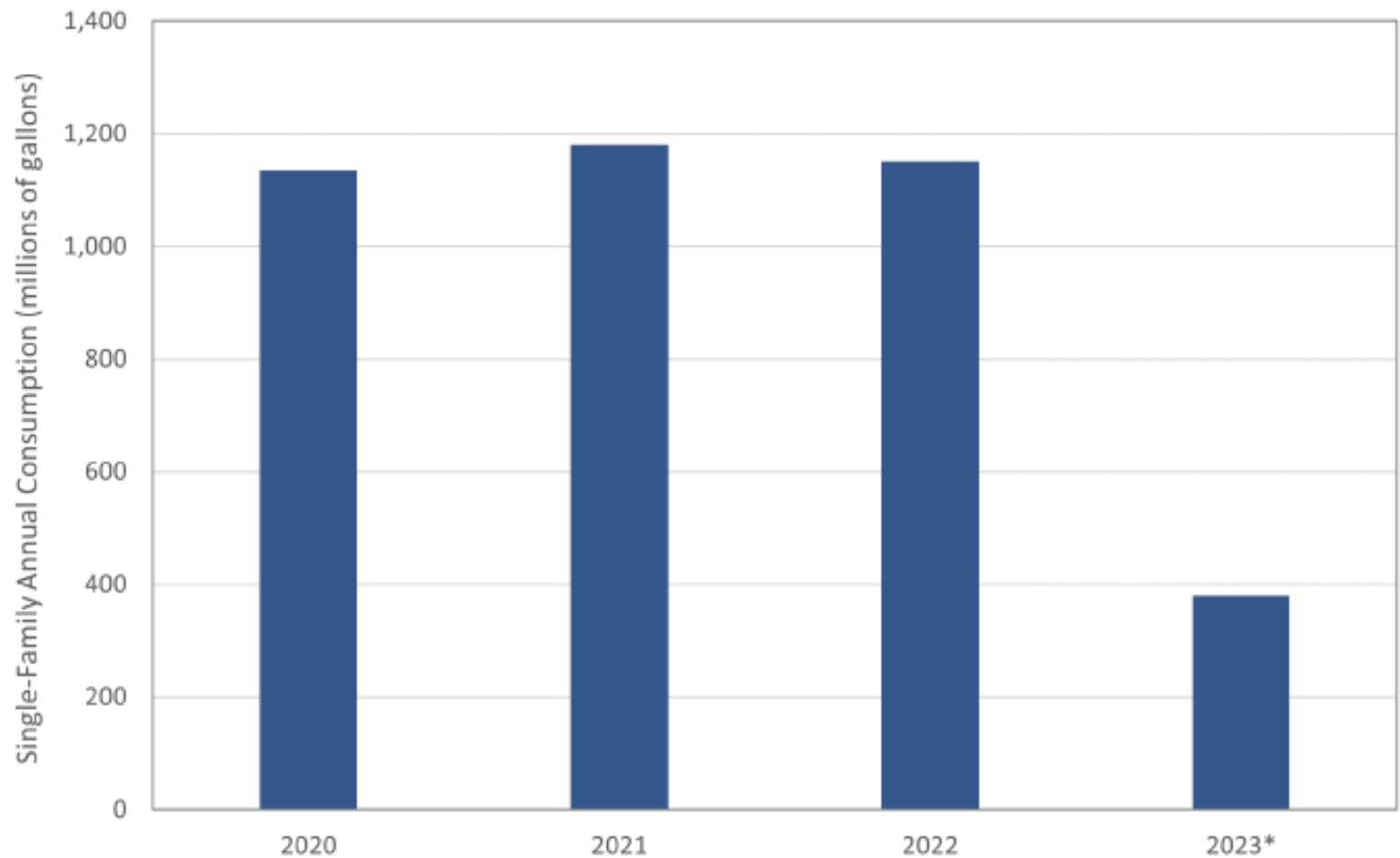


Figure 2. Single-family residential consumption for years 2020 through May 2023. Note that 2023 values are preliminary and do not represent the full volume of water used for 2023.



Table 2. Consumption per year and account number comparison for single-family residential use.

Year	Consumption (MG)	Average Number of Active Accounts	Average Gallons per Year per Account	Per Account % Change
2020	1,135.114	15,975	71,056	n/a
2021	1,180.604	18,252	64,684	9.0
2022	1,151.492	19,734	58,351	9.8
2023*	380.015	20,005	18,996	*

* 2023 values based on January through May consumption. Percent change not calculated.

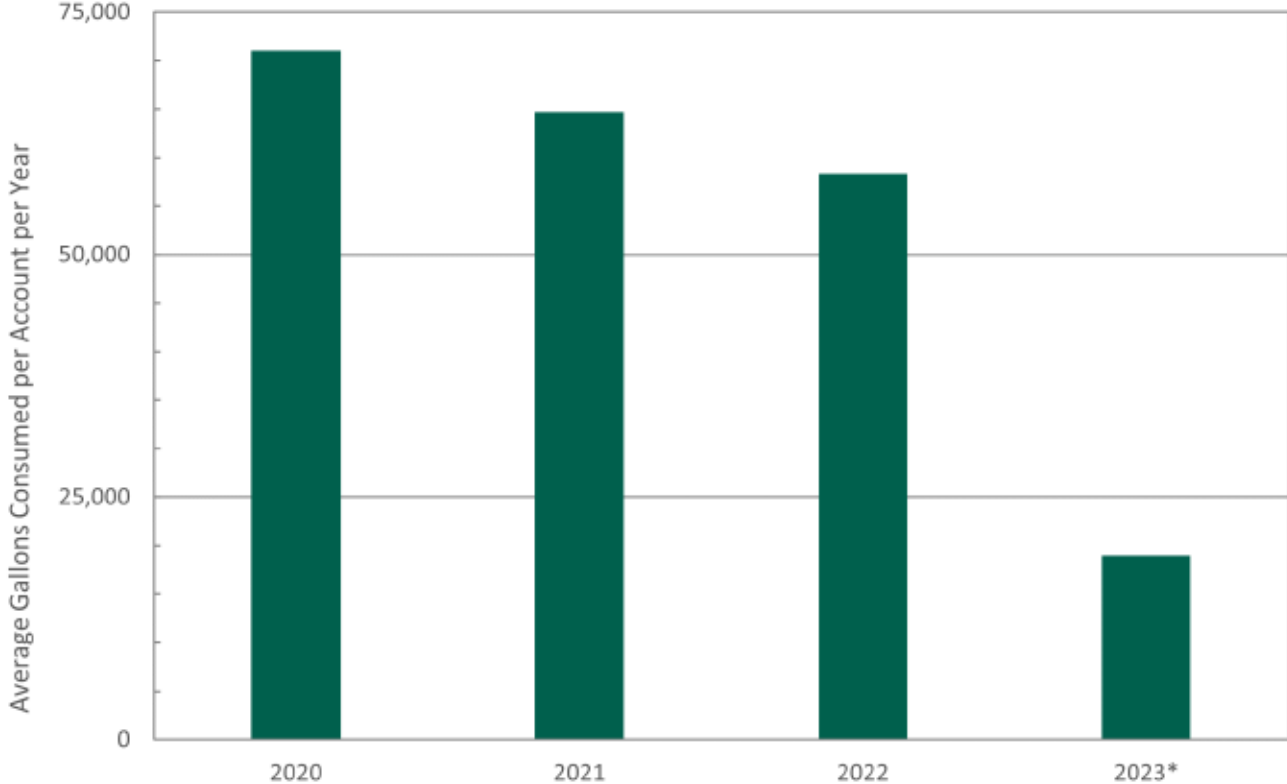


Figure 3. Average water use trends calculated per account per year. Downward trends between 2020-2021 and 2021-2022 were more than 9 percent. 2023 values are preliminary, as only five months of data were available for this calculation.



Customer Feedback

Table 3. Assorted comments on the WaterSmart Portal and leak notifications sent.

Date	Comment
6/4/2022	Thank you for the notification
5/25/2022	Got it repaired. Thanks for this notification.
4/15/2022	Was deep watering back yard and forgot to turn off water it ran overnight. Sorry!!
12/15/2022	Thank you for looking out for us. The leak has been taken care of.
7/10/2022	Thank you for the notice. I was unaware of the leak until you notified me.
4/12/2022	No..thank you for such an important warning.
6/9/2022	OMG, I can't believe how much water was wasted for a water irrigation leak.
10/12/2022	Thank you for this alert. My mistake.....
8/26/2022	It has been fixed. Thank you for the notification.

Summary

- WaterSmart Portal services can be easily tailored by customers to their unique needs.
- Impacts of the WaterSmart Portal on consumption and conservation are not yet fully understood due to relatively short period of time in use (but we will continue to monitor!).
- Customer feedback has been mostly positive and the Portal texts are considered a great feature.
- With our new rate increase we expect (and will facilitate) any new and willing subscriptions.



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Supply and Demand Results

2023

Presented by:
Alexandra Garden
Data & Document Specialist



Introducing the S&D Process

Supply and Demand: Not a Groundwater Model...



Figure 10. Locations of regional groundwater discharge

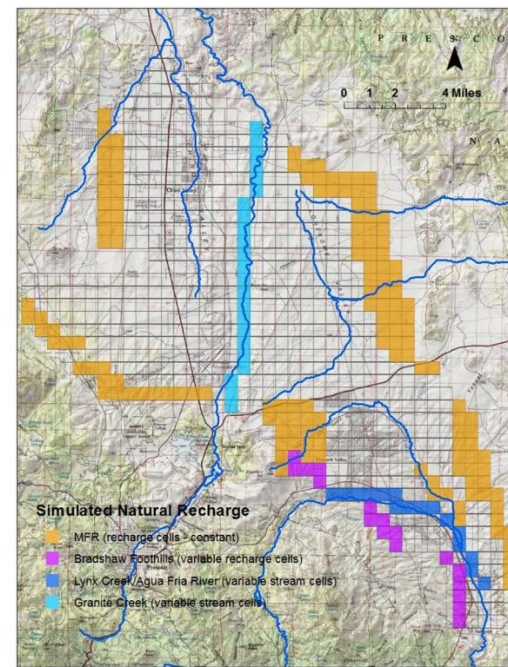


Figure F1. Simulated Natural Recharge

Groundwater Flow Model Update Report for the Prescott Active Management Area

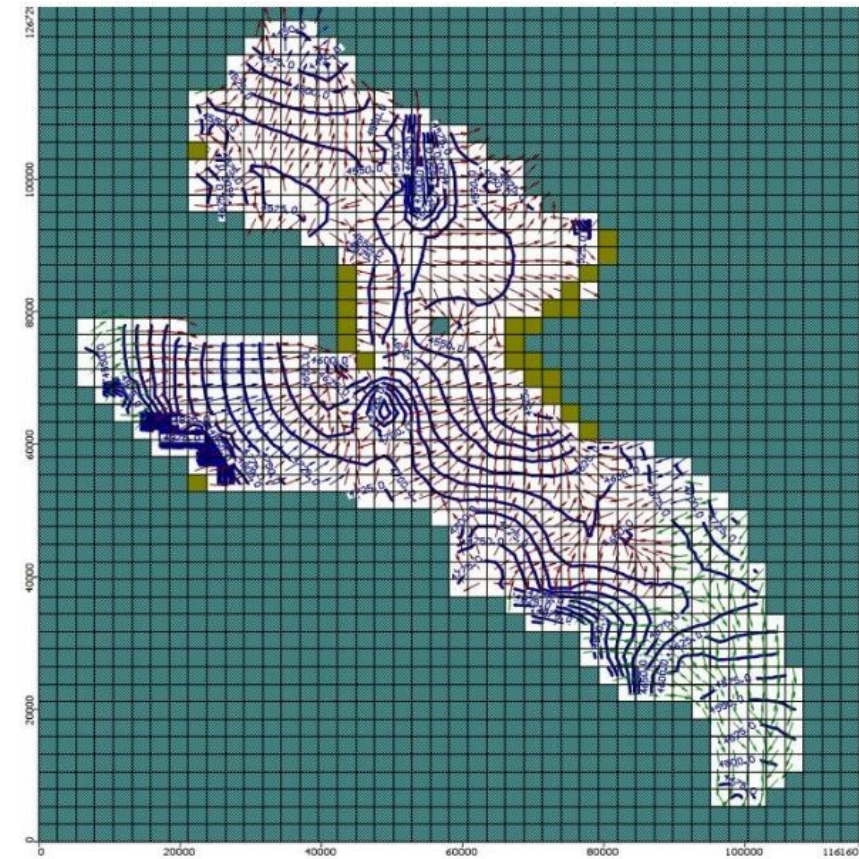


Figure B24. Simulated flow and head contours 2011: Layer 1. Red arrows represent downward flow; blue arrows upward flow; Green arrows represent horizontal flow. Layer 1 head contours 25 feet.

Water Budget: Ins and Outs

- **Agricultural**

- **Industrial**

- ♠ Turf
- ♠ Dairy
- ♠ Feedlots
- ♠ Grazing
- ♠ Mining
- ♠ Power
- ♠ Sand & Gravel
- ♠ Other

- **Municipal**

- ♠ Residential Provider
- ♠ Residential Non-Provider
- ♠ Non-Residential
- ♠ Lost & Unaccounted

- **Environmental**

- ♠ Preserves/Wildlife Areas
- ♠ Evapotranspiration
- ♠ Wildfires

- **Supply**

- ♠ Groundwater
- ♠ Surface Water
- ♠ Colorado River
- ♠ Effluent

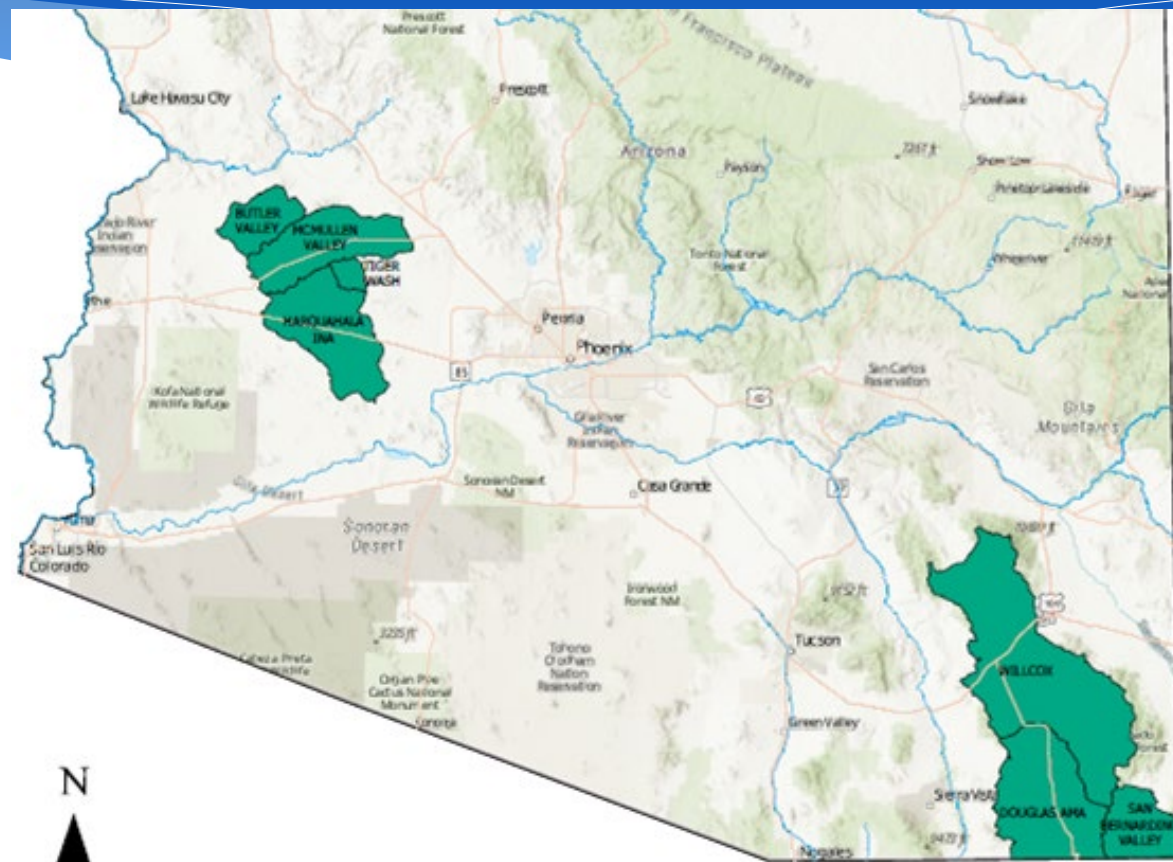


Supply and Demand Focus

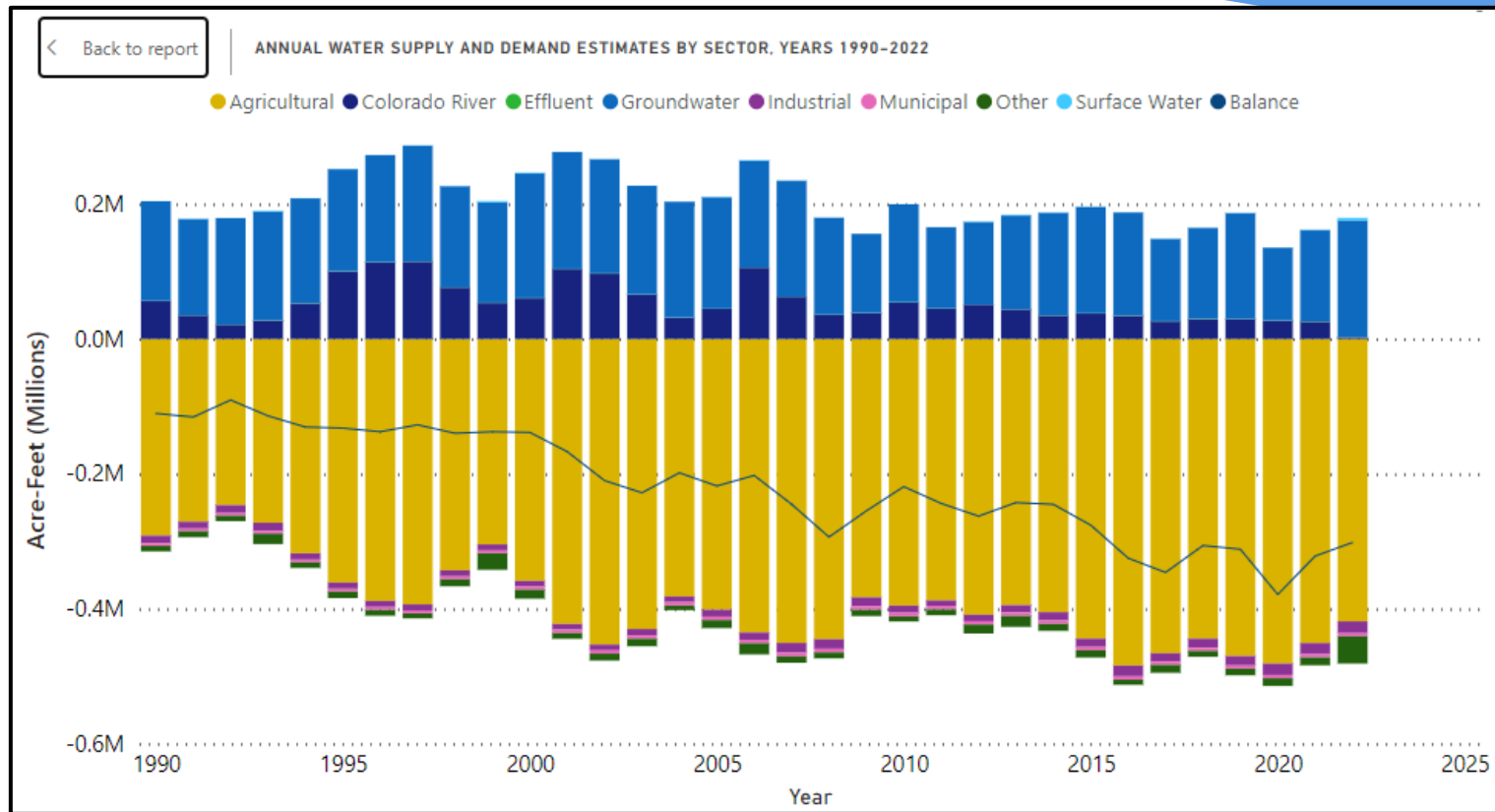
- What is the volume of water demand each year?
- What is the volume of each water supply annually available to meet these demands?
- Is there enough available supply to balance demand each year?

2023 Groundwater Basins

- West-Central Arizona Basins
 1. Harquahala INA
 2. McMullen Valley Basin
 3. Butler Valley Basin
 4. Tiger Wash Basin
- Southeastern Arizona Basins
 5. Douglas AMA
 6. Willcox Basin
 7. San Bernardino Valley Basin



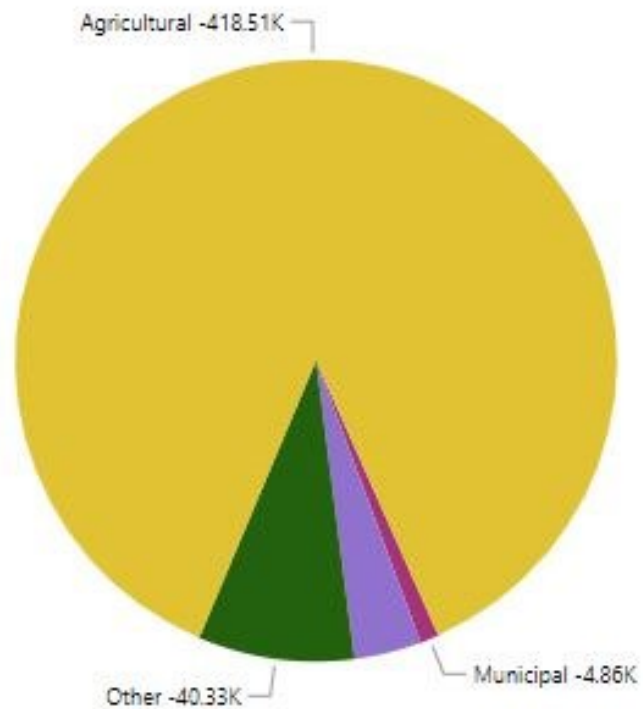
Annual Water Supply and Demand by Sector (1990 – Present)



- More water is leaving than is being replenished in many of the basins
- Water demands of agriculture account for 87 – 99% of demand in each of the basins

Demand Breakdown for all Basins

Sector Breakdown for 2022 Water Demand

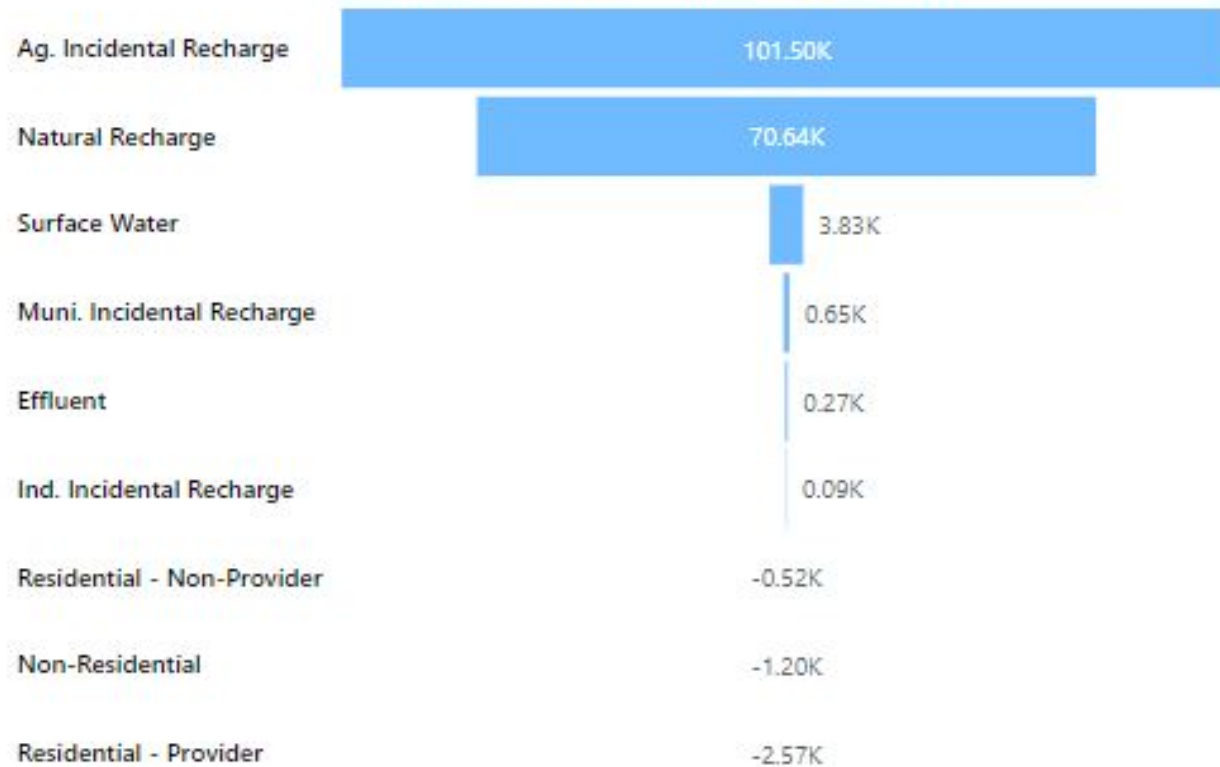


Subsector Demand Breakdown: 2022 Water Demand

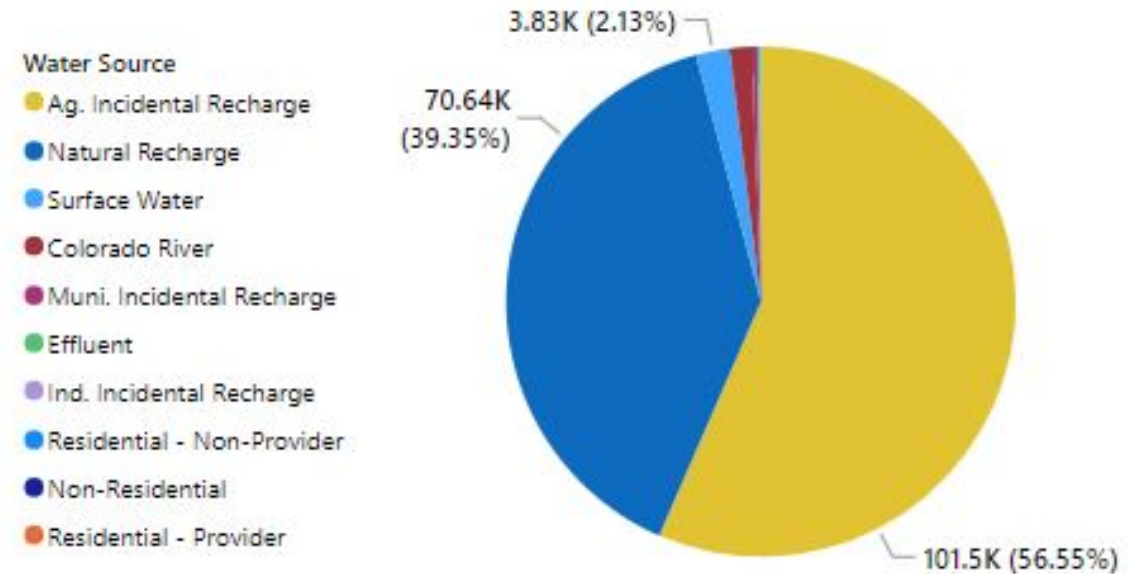


Supply Breakdown for all Basins

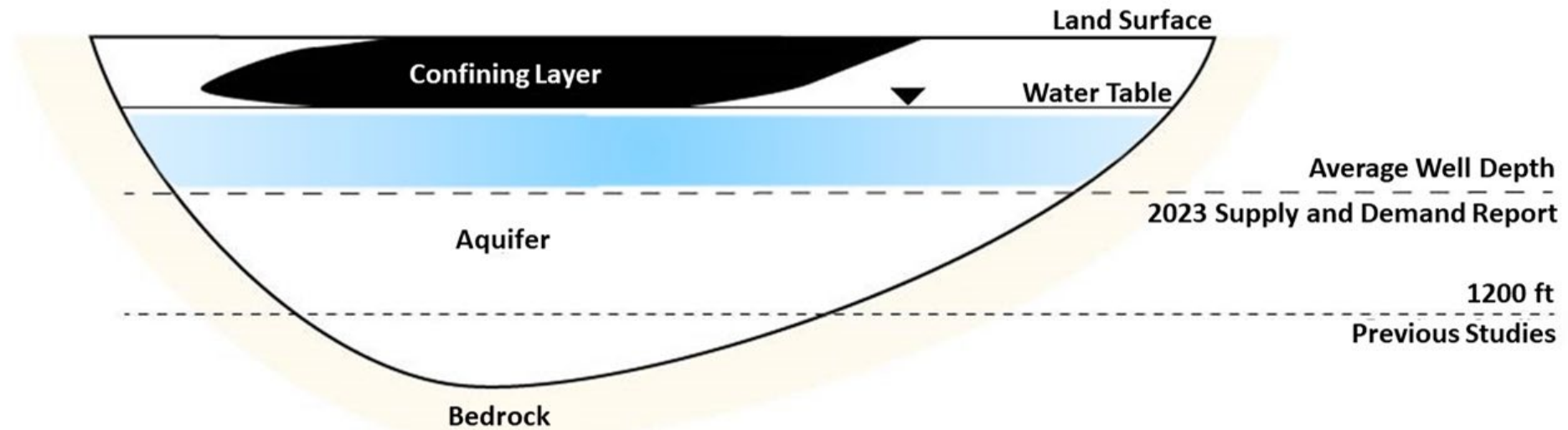
2022 Quantity (AF) by Subsector/Watertype



2022 Water Source Contribution Percentage

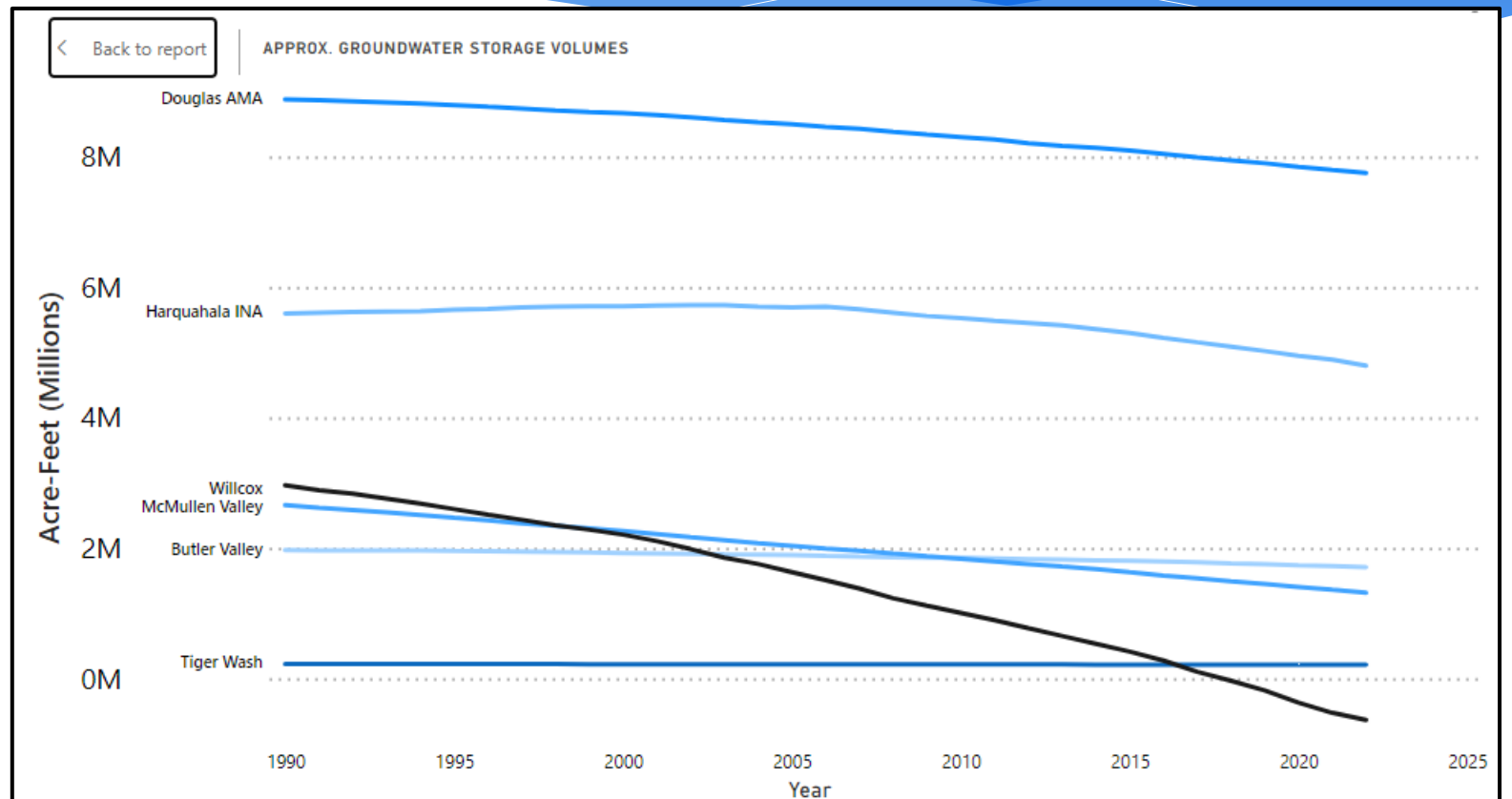


2023 SDR Volumes of Water Available in Storage



Approximate Groundwater Storage Volumes (1990 – Present)

- Declines in groundwater storage overtime are shown here
- The most significant decline was in the Willcox Basin
- Butler, Douglas AMA, Harquahala INA, McMullen Valley, and Willcox basins are expected to have insufficient annual supply to meet yearly demand



Projection Scenario Descriptions

1. **Status quo:** baseline volumes carried forward through the projection period
2. **Growth:** volumes were assumed to increase within specific parameters through the projection period
3. **Conservation:** volumes were assumed to be influenced by specific conservation practices through the projection period
4. **Technology:** volumes were assumed to be influenced by technological advancements through the projection period
5. **Climate:** volumes were adjusted using a one-degree Fahrenheit temperature increase in the mean annual temperature for the projection period, following a lower emissions pathway for Arizona

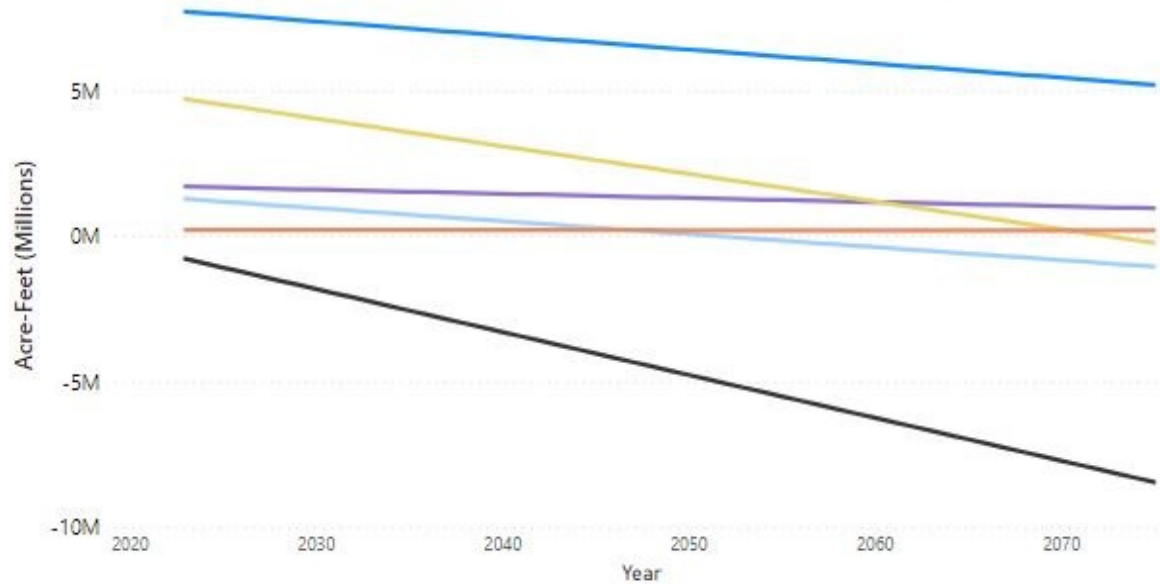
Projections: Status Quo vs Growth

Status Quo Scenario

Growth Scenario

Projections of Groundwater Storage Based on Chosen Scenario

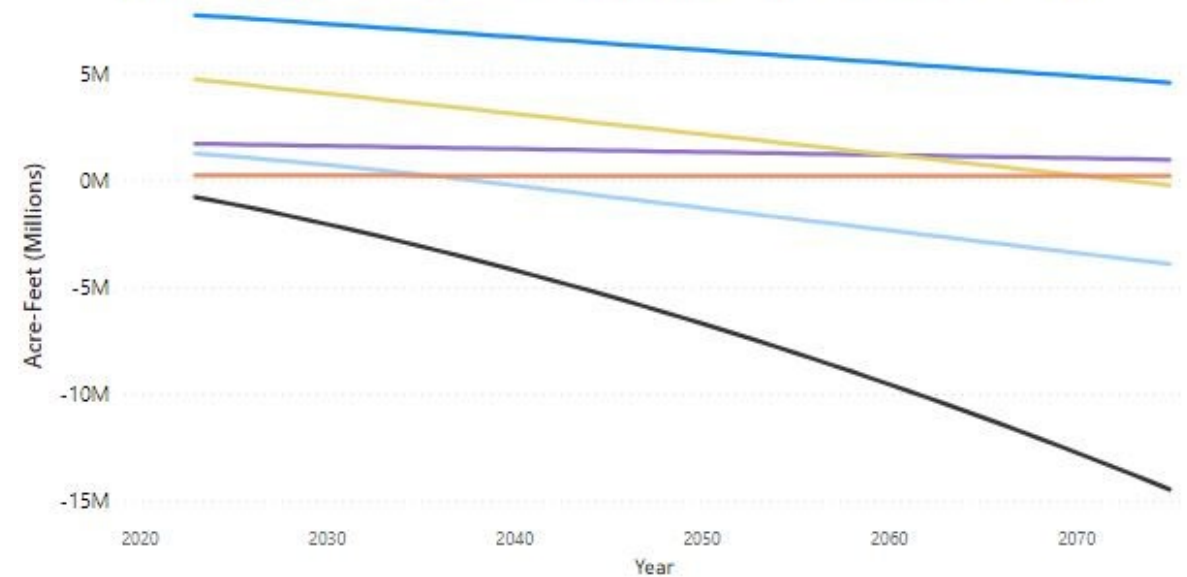
Basin Code — Butler Valley — Douglas AMA — Harquahala INA — McMullen Valley — Tiger Wash — Willcox



Butler Valley	Douglas AMA	Harquahala INA	McMullen Valley	Tiger Wash	Willcox
-756.51K	-2.56M	-5.03M	-2.36M	-21.43K	-7.81M

Projections of Groundwater Storage Based on Chosen Scenario

Basin Code — Butler Valley — Douglas AMA — Harquahala INA — McMullen Valley — Tiger Wash — Willcox



Butler Valley	Douglas AMA	Harquahala INA	McMullen Valley	Tiger Wash	Willcox
-756.51K	-3.20M	-5.04M	-5.24M	-21.44K	-13.82M

Stakeholder Outreach

- Mailings
- Stakeholder meetings
- Field trips

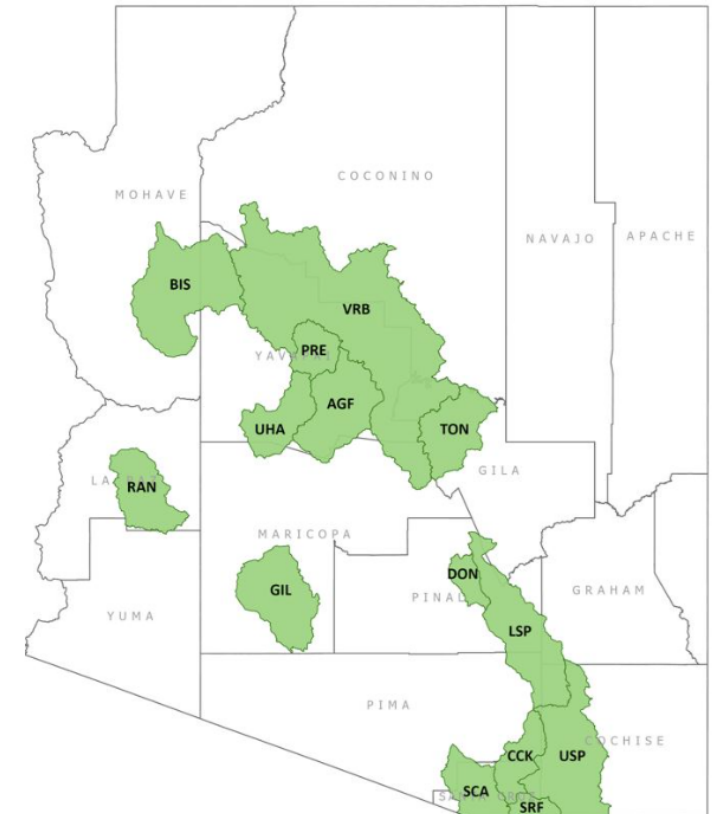


2024 Basin Selection

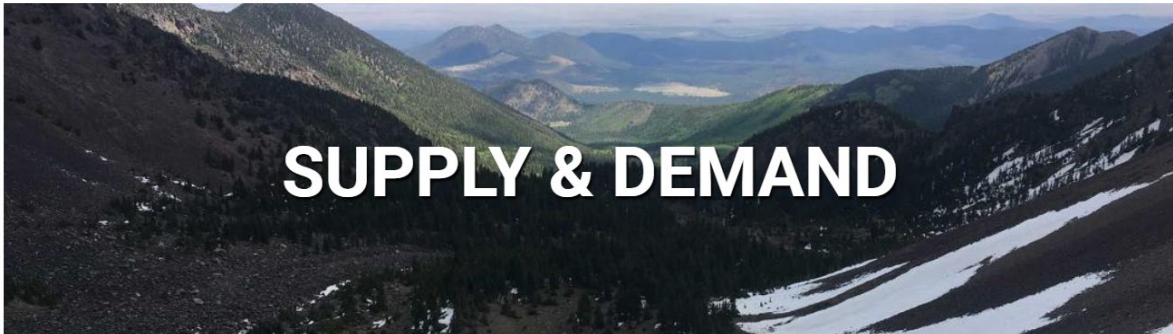
- Total number of Basins: **51**
- After the inaugural round of the reports, there are **44** remaining basins to complete by the end of 2027.
- An average of **11** basins assessed annually for the next four years, from 2024-2027.

2024 Basins

Agua Fria (AGF)
Big Sandy (BIS)
Cienega Creek (CCK)
Donnelly Wash (DON)
Gila Bend (GIL)
Lower San Pedro (LSP)
Prescott AMA (PRE)
Ranegras Plain (RAN)
Santa Cruz AMA (SCA)
San Rafael (SRF)
Tonto Creek (TON)
Upper Hassayampa (UHA)
Upper San Pedro (USP)
Verde River (VRB)



Supply & Demand Website



Overview

ADWR Data Disclaimer

Pursuant to A.R.S. 45-105(B)(14) ADWR is required to conduct a water supply and demand assessment of each groundwater basin in the state at least once every five years, with at least six assessments issued by December 1 of each calendar year. The purpose of these studies is not regulatory, but to improve our understanding of the current and future water conditions and to assist in future planning throughout the state. This information may also inform the distribution of water conservation grant funds.

The SDRs are structured as water budgets, focusing on total inflows and outflows at the basin scale. The SDRs are not groundwater flow models with finer geographic results, which are conducted by ADWR's Hydrology Division. To create the SDRs ADWR made reasonable efforts to obtain local or specific estimates, but in cases where water data was unavailable staff applied literature values or other types of averages and assumptions to create water use estimates.

- Hydrology
- Permitting and Wells
- AMAs
- Surface Water
- Drought
- Statewide Planning

Dashboard

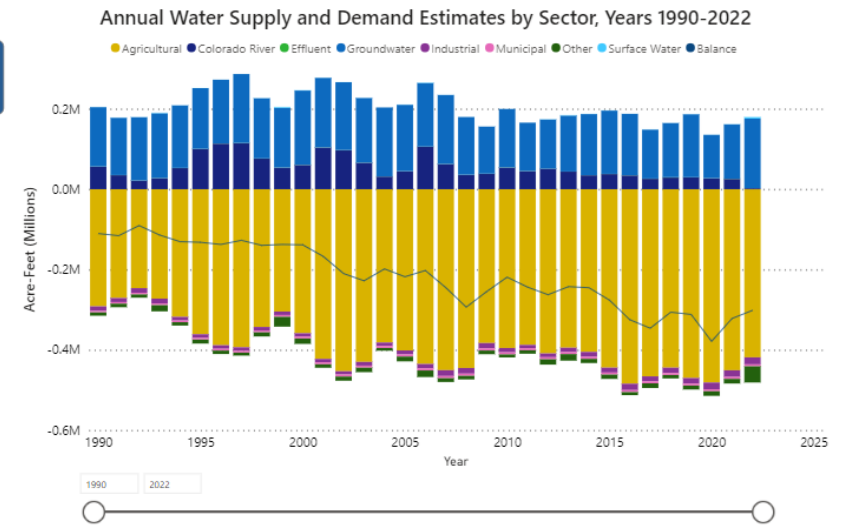
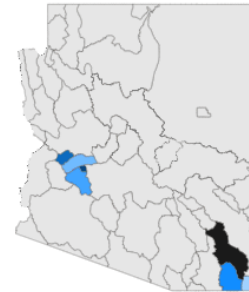


2023 Supply and Demand Report Results

Butler Valley, Douglas AMA, Harquahala INA, McMullen Valley, San Bernardino Valley, Tiger Wash, and Willcox



Filter by Groundwater Basin
All



Microsoft Power BI

< 1 of 8 >

<https://www.azwater.gov/supply-demand>

Questions?



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nlmast@azwater.gov

Collin Wogenstahl
Statewide Planning Manager
602-771-8540
cwogenstahl@azwater.gov

Meeting Agenda

1. Meeting Logistics – Nicholas Mason, ADWR

2. Water Management Assistance Program Updates

a. Review withdrawal fee rates and money collected in past five years, WMAP projects, and remaining balance – Melissa Sikes, ADWR

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7. AMA Director Report – Natalie Mast, ADWR

Natalie will provide an update on ADWR activities & staffing

ADWR Drought Program & Drought Status Update

Prescott AMA GUAC
January 24, 2024

Maggie Martin
Drought Program Coordinator





ADWR Drought Program

- * 2003 Governor's Drought Taskforce
 - * Set framework for current ADWR Drought program
- * 2004 Drought Preparedness Operational Plan
 - * Set framework for drought preparedness in the state and drought working committees

Drought Interagency Coordinating Group

- * The Interagency Coordinating Group (ICG) is an advisory body to the governor on Arizona drought issues. Comprised of state, federal and non-governmental organizations, this group meets twice a year to evaluate drought conditions and consider recommendations to the governor.
- * Arizona has had a Drought Emergency Declaration ([PCA 99006](#)) in effect since June 1999 and a Drought Declaration ([Executive Order 2007-10](#)) has been in effect since May 2007.
- * The Drought Interagency Coordinating Group unanimously recommended that both drought declarations be kept in place.
- * The meeting agenda, summary, and presentations are posted on the [ADWR ICG webpage](#).
- * Next Meeting: May 2024, exact date TBD

Executive Order 2007-10 Drought Declaration For The State of Arizona

WHEREAS, Arizona is entering its second decade of a statewide drought due to long-term precipitation deficits and increased demand for water; and

WHEREAS, on June 23, 1999, Governor Hull declared a drought emergency (PCA 99006), which remains in effect today; and

WHEREAS, drought conditions continue to stress Arizona's resources and have had significant impacts on the citizens and commerce of the state, including increases in wild land fires, water supply shortages, vegetation and wildlife mortality, and economic losses in the ranching, agriculture and tourism sectors; and

WHEREAS, climate research has shown that although droughts lasting multiple decades are common in Arizona, they may be intensified by the effects of global climate change;

NOW, THEREFORE I, Governor Janet Napolitano, Governor of the State of Arizona, by virtue of the authority vested in me by the Constitution and laws of the state, do hereby determine that a continued declaration of drought is justified, and I hereby:

- Order continued implementation of the *Arizona Drought Preparedness Plan* and *State of Arizona Emergency Response and Recovery Plan*;
- Order the continued invocation of A.R.S. § 26-309 to provide mutual aid assistance to stricken areas of the state;
- Request assistance from the federal government for the appropriate federal disaster programs;
- Order state agencies to implement their water use reduction plans and assist in drought planning efforts across the state;
- Urge water facilities to develop and implement more aggressive drought and conservation plans and monitor water use; and
- Call upon citizens, businesses, schools, institutions of higher learning, local governments and federal agencies to increase water conservation efforts.

THIS ORDER supplements the directives in PCA 99006, which remains in effect. This Executive Order shall take effect immediately and shall remain in effect until such time as the Governor rescinds it.

Executive Order 2007-10
Page Two

IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona.


GOVERNOR

DONE at the Capitol in Phoenix on this 12th day of May in the Year Two Thousand and Seven and of the Independence of the United States of America the Two Hundred and Thirty-First.

ATTEST:


SECRETARY OF STATE



Drought Monitoring Technical Committee

- * December 2023 Short-term Drought Status Discussion
- * October-December 2023 Long-term Drought Status Discussion - Erinanne Saffell - State Climatologist
- * Objective Weather and Climate Data - Mark O'Malley - National Weather Service
- * Agency Updates: SRP, ADWR Colorado River, ADWR Drought Index Wells...
- * Drought Related Impacts to Key Species on Pima County Conservation Lands - Ian Murray, Pima County
- * Next Meeting - April 2024, exact date TBD

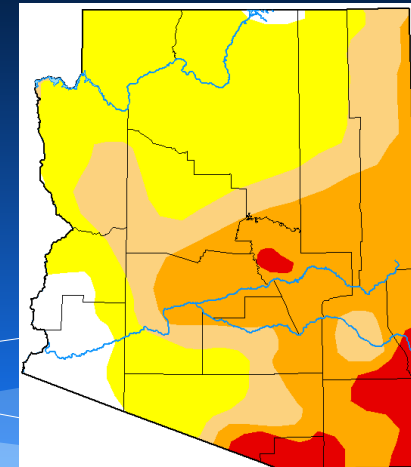


Local Drought Impact Groups (LDIGs)

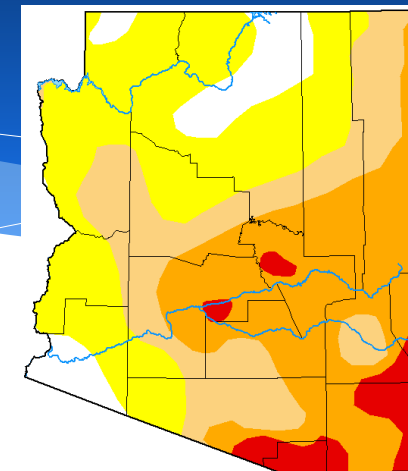
County-level groups that:

- * Coordinate drought public awareness
- * Provide impact assessment information to local and state leaders
- * Implement and initiate local mitigation and response options
- * Coordinated locally
 - * Currently only Pima LDIG

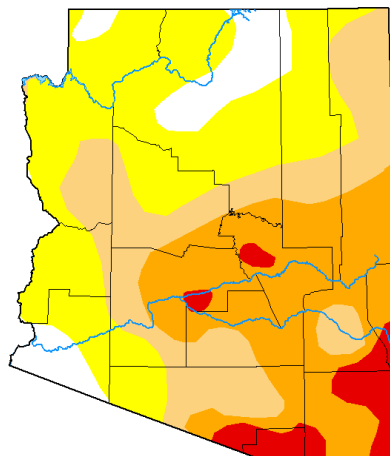
Monthly Short-Term Drought Status Maps Past 5 Months



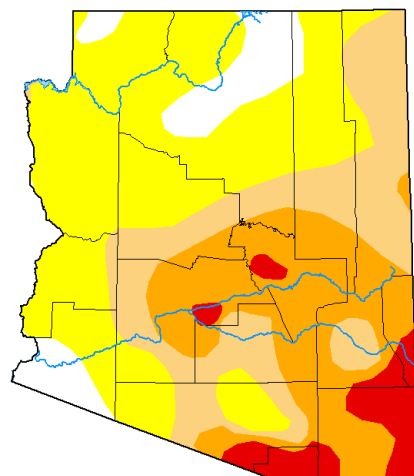
December 2023



November 2023









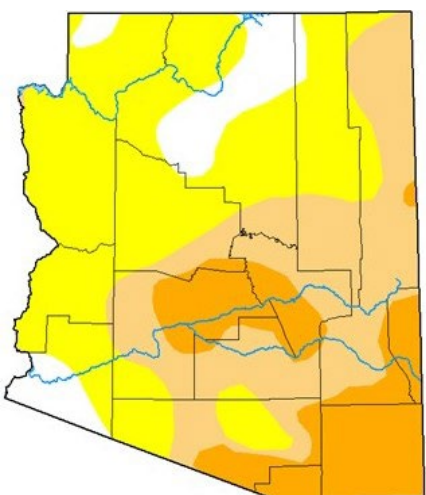
October 2023



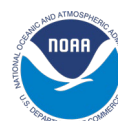
September 2023

Drought Conditions

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

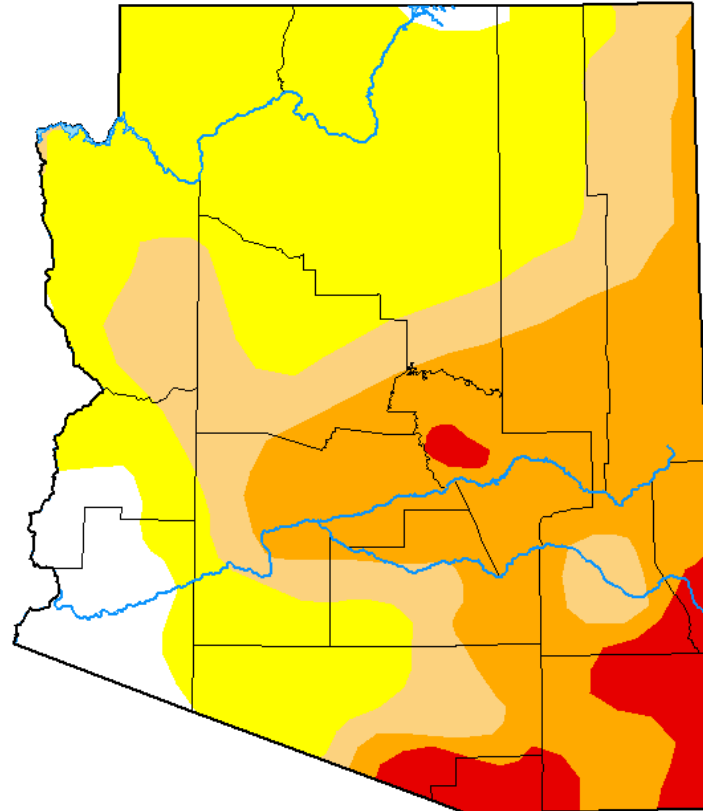


August 2023



Monthly Short-Term Drought Status December 2023

U.S. Drought Monitor Arizona



January 2, 2024

(Released Thursday, Jan. 4, 2024)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.62	94.38	53.37	33.54	5.75	0.00
Last Week 12-26-2023	10.98	89.02	53.37	33.54	5.75	0.00
3 Months Ago 10-03-2023	8.12	91.88	50.63	28.02	6.09	0.00
Start of Calendar Year 01-02-2024	5.62	94.38	53.37	33.54	5.75	0.00
Start of Water Year 09-26-2023	8.12	91.88	47.06	22.74	5.34	0.00
One Year Ago 01-03-2023	12.40	87.60	38.94	7.85	0.00	0.00

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:

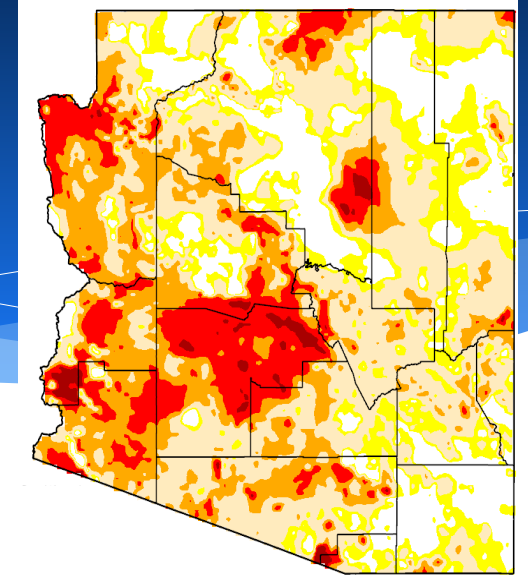
Lindsay Johnson
National Drought Mitigation Center



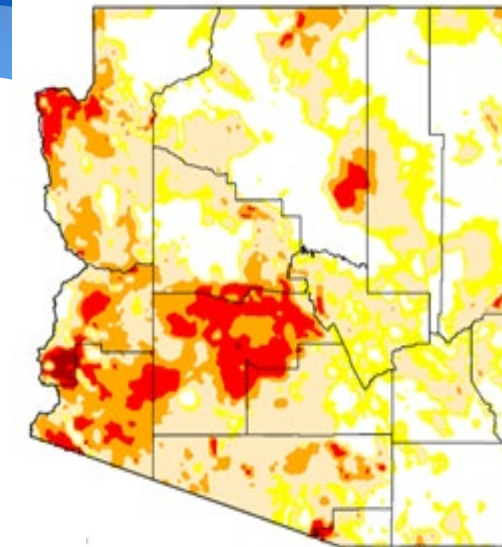
droughtmonitor.unl.edu

Quarterly Long-Term Drought Status Maps

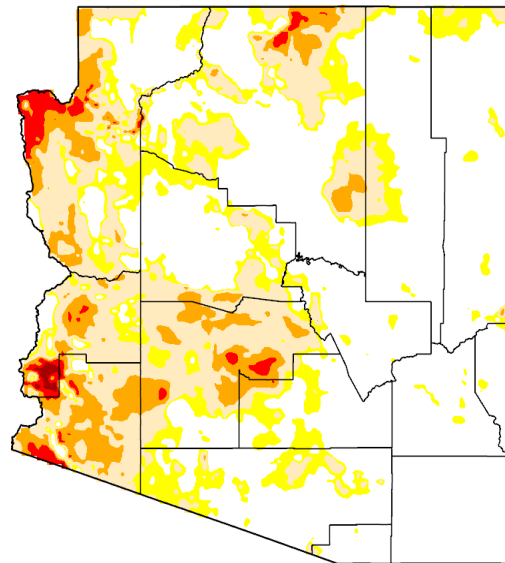
Oct-Dec 2023



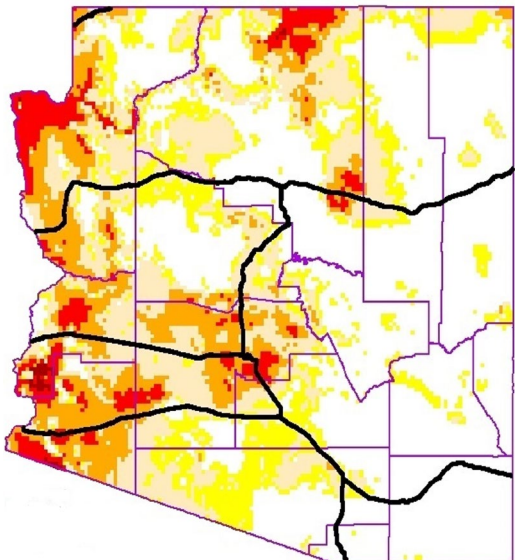
July-Sept 2023



Apr-June 2023



Jan-Mar 2023

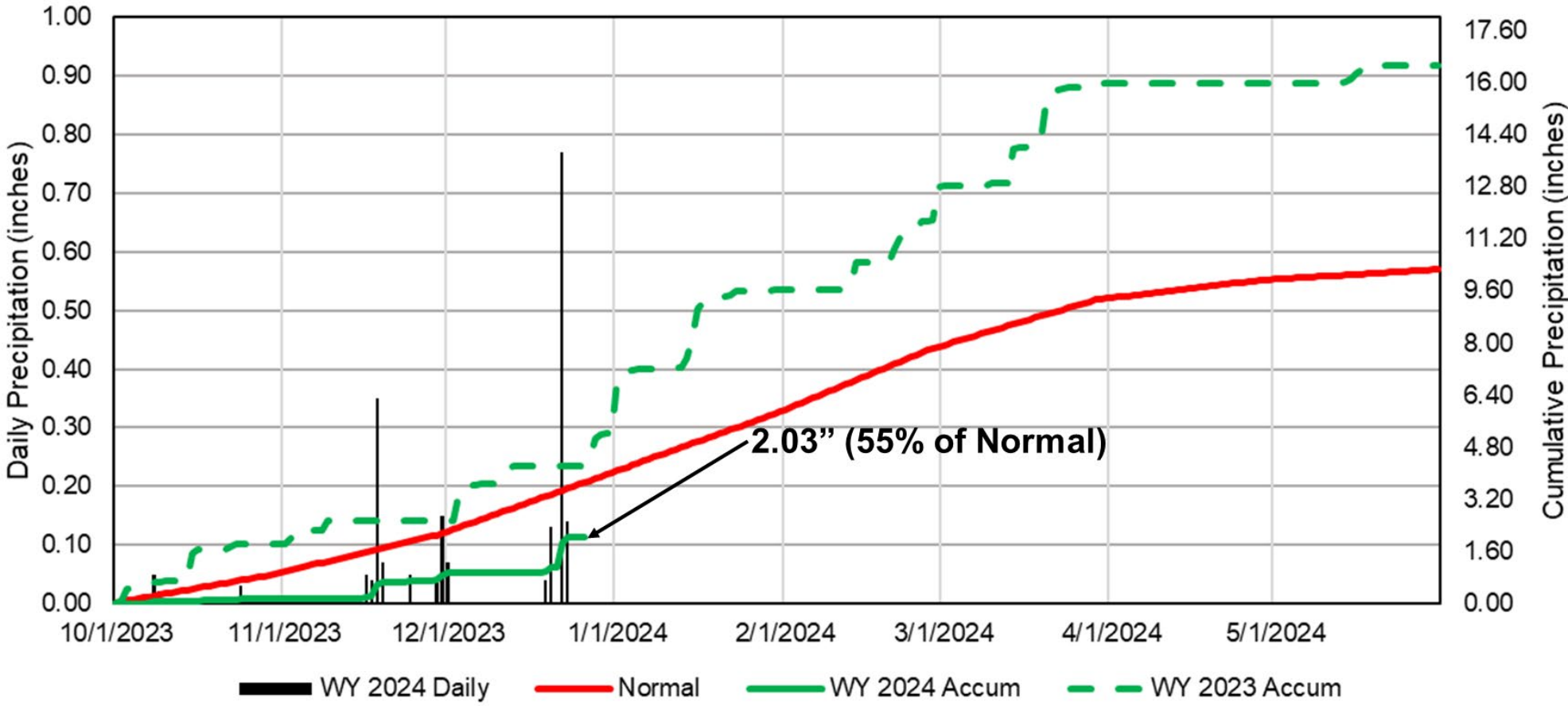


Drought Conditions

- None
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Salt and Verde Watershed Precipitation

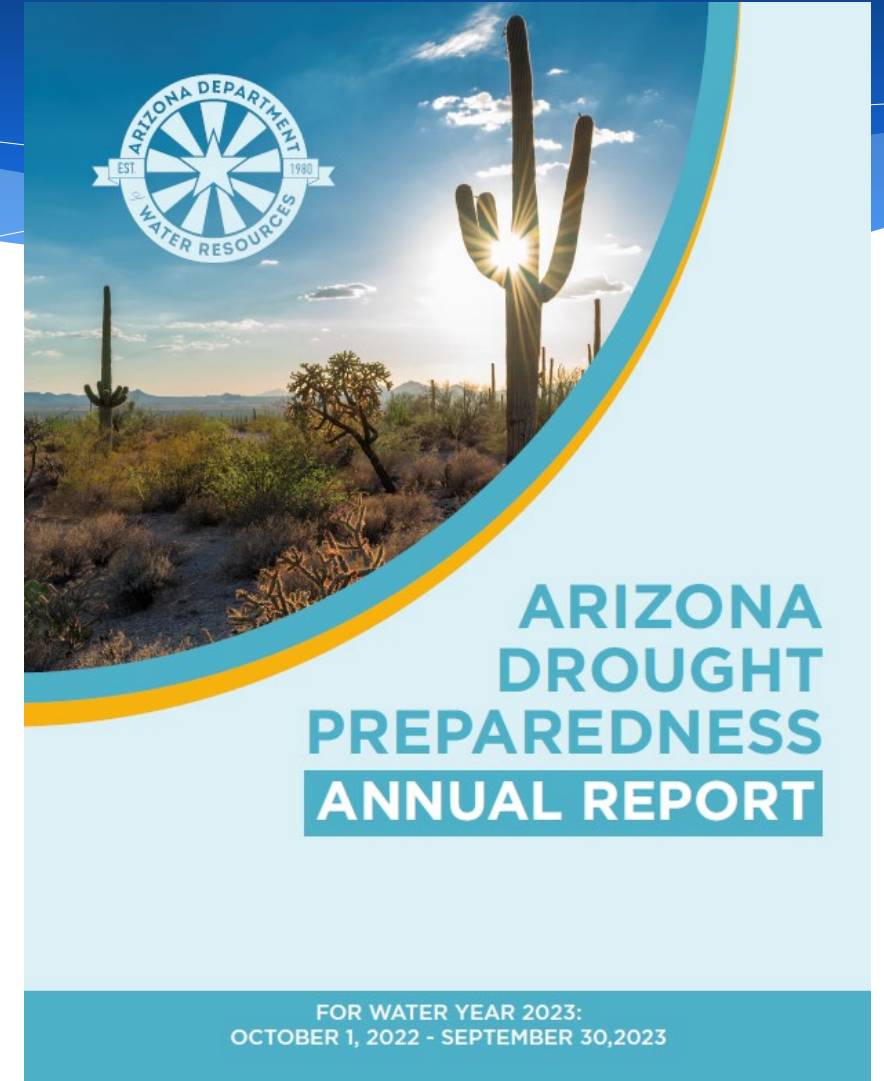
Cumulative Watershed Precipitation: Fall-Winter-Spring (WY 2024)



2023 Arizona Drought Preparedness Annual Report

- * The *Arizona Drought Preparedness Plan* was adopted in 2004 and its continued implementation as ordered in 2007 (Executive Order 2007-10).
- * ADWR prepares and annual report based on drought updates from the Drought Monitoring Technical Committee (MTC), Governor's Drought Interagency Coordinating Group (ICG), Local Drought Impact Groups (LDIGs), and others.
- * The *2023 Arizona Drought Preparedness Annual Report* covers the drought conditions and preparedness activities for Water Year 2023, from October 1, 2022, through September 30, 2023.

[2023 Arizona Drought Preparedness Annual Report](#)



Collaborative Opportunities

- * Drought Monitoring Technical Committee (MTC): Join drought observations & reporting discussions
- * Create a Local Drought Impact Group (LDIG)
- * Stay Informed: Email distribution lists & AZ Drought Preparedness Annual Report



ADWR Drought Program & Drought Status Update

Thank you!

arizonadrought@azwater.gov

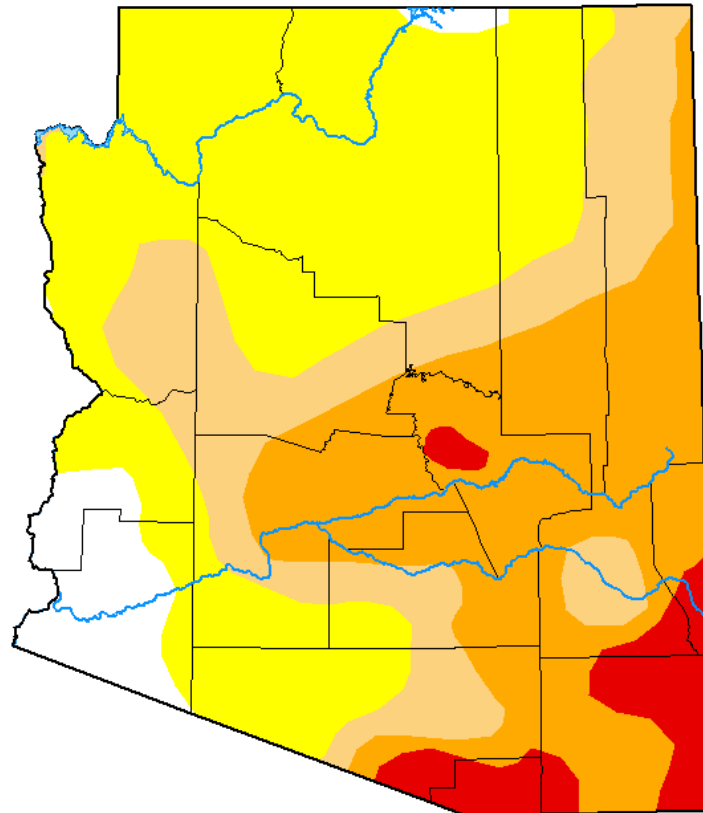
<https://new.azwater.gov/drought>

Maggie Martin
Drought Program Coordinator
mmartin@azwater.gov



Monthly Short-Term Drought Status December 2023

U.S. Drought Monitor Arizona



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Author:

Lindsay Johnson
National Drought Mitigation Center



droughtmonitor.unl.edu

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Natalie will provide an update on ADWR activities & staffing

Governor's Water Policy Council

Updates



Governor's Water Policy Council Overview

- Established by Executive Order in January 2023 and first met in May 2023
- Comprised of a diverse group of stakeholders appointed by the Governor, including representatives from agriculture, water providers, Tribes, executive agencies, industry, conservation organizations, cities, businesses, universities, and the legislature
 - Chaired and staffed by ADWR
- Two committees were established:
 - Assured Water Supply Committee
 - Rural Groundwater Management Committee
- The Council and Committees met 20 times between May and November 2023
- Sent a list of five recommendations to the Governor on November 29, 2023

Council Focus Areas & Objectives

1. Review and make recommendations for changes to Assured Water Supply policies—legislatively, administratively, or by executive action—to address the challenges revealed by Assured Water Supply modeling projections, while continuing to:
 - strengthen the integrity of the Assured Water Supply program,
 - protect consumers and aquifers, and
 - ensure future growth is not reliant on mined groundwater.
2. Develop recommendations for a water management framework to assist rural Arizona communities to manage their groundwater resources.

Deadline: December 2023

Council Recommendations – Assured Water Supply

The Governor’s Water Policy Council sent the following recommendations to the Governor:

1. ADAWS - Draft new rules that will provide water providers a means to obtain a Designation of Assured Water Supply in AMAs, creating a pathway for water providers to grow incrementally on alternative supplies while reducing groundwater mining.
2. “Wildcat” Development - Through legislative action, close statutory loopholes associated with “wildcat” subdivisions, ensuring residents of these subdivisions are brought under the protections of the Assured Water Supply Program.
3. Build to Rent - Through legislative action, close statutory loopholes that allow the avoidance of Assured Water Supply Program requirements when constructing build-to-rent housing projects, ensuring residential lease communities are brought under the protections of the Assured Water Supply Program.

Council Recommendations – Rural Groundwater Management

The Governor's Water Policy Council sent the following recommendations to the Governor:

1. Rural Groundwater Management Areas - A foundational framework for creating Rural Groundwater Management Areas to fulfill the need for groundwater management programs in at-risk groundwater basins in rural Arizona, providing an opportunity for rural communities and water users to benefit from groundwater management and protection.
2. Measuring and Reporting - A non-regulatory program for ADWR to bolster the measuring and reporting of groundwater water use and monitoring of groundwater conditions throughout the state.

Recommendations – Next Steps

ADAWS

- *Rulemaking*
- ADWR drafting rules, to be shared soon
- ADWR to host informal stakeholder meetings, followed by rulemaking process

“Wildcat” Development

- *Legislation*
- ADWR working with legislators to pass legislation to meet Council recommendations

Built to Rent Development

- *Legislation*
- ADWR working with legislators to pass legislation to meet Council recommendations

Rural Groundwater Management Areas

- *Legislation*
- Governor’s Office working with legislators to introduce and pass legislation to establish RGMAs, following the outlined framework from the Council

Measuring and Reporting

- *Administrative*
- ADWR to begin investigating areas of data needs in the state and options to collect additional data in those locations

Contact Information

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Advisor to the Director (Council Lead)

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Trent Blomberg

Council Coordinator

tblomberg@azwater.gov

Governor's Water Policy Council webpage:

www.azwater.gov/gwpc



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