

Kansas Water Authority

Meeting

October 18, 2023

Lawrence, KS



MEETING AGENDA

<i>Time</i>	<i>Agenda Item</i>	<i>Presenter</i>	<i>KWA Advice</i>	<i>KWA Decision</i>	<i>Page No.</i>
9:00 am	Call to Order/Roll Call	Dawn Buehler			--
9:05 am	Approval of Meeting Minutes	Dawn Buehler			--
	August 23, 2023 Meeting			X	2-5
9:10 am	KWA Public Water Supply Committee	John Bailey			6-7
	Water Purchase Contract No. 23-05, City of Emporia	Nathan Westrup		X	8-31
	Water Purchase Contract No. 23-06, City of Coffeyville	Nathan Westrup		X	32-52
	Water Purchase Contract No. 23-08, City of Independence	Nathan Westrup		X	53-74
10:00 am	KWA RAC Operations Committee	Jeremiah Hobbs			--
	RAC Membership	Angela Anderson		X	75
	RAC Chair Reporting to KWA	Angela Anderson	X		76
10:30 am	BREAK				--
10:45 am	KWA Planning Discussion				--
	2024 KWA Annual Report	Victoria Asbury	X		--
	Other Planning Items	Dawn Buehler	X		--
11:30 am	Kansas Biological Survey Update	Sara Baer			--
12:00 pm	LUNCH				
1:00 pm	Hays/Russell Water Transfer	Matt Unruh	X	X	77
2:00 pm	State Association of Kansas Watersheds Update	Jeremiah Hobbs Olivia Bergmaier			--
2:20 pm	KWA Ex Officio Agency Updates	Dawn Buehler			--
2:45 pm	Director's Report	Connie Owen			--
2:50 pm	New Business	Dawn Buehler			--
3:00 pm	Adjourn	Dawn Buehler			--

Call to Order/Roll Call

Call to Order/Roll Call; *Dawn Buehler*

Minutes

Presented by: Dawn Buehler



Action Needed

Approval of minutes from:
August 23, 2023

KWA Public Water Supply Committee

Presented by: John Bailey & Nathan Westrup

Actions Proposed Following 10/11/2023 Committee Meeting:

- Consider approval of Water Purchase Contract No. 23-5 with the City of Emporia
- Consider approval of Water Purchase Contract No. 23-6 with the City of Coffeyville
- Consider approval of Water Purchase Contract No. 23-8 with the City of Independence

Cottonwood/Neosho Water Supply



Upper Neosho River

Council Grove Lake Water Supply Storage Pools & Programs

Water Marketing
Water Assurance
Water Quality

Water Marketing
62.53%

Water Assurance
14.8%

Water Quality
22.67%

Council
Grove Lake

Legend

- Major Stream
- Water Assurance
- Water Marketing
- Water Quality
- City

Emporia

City of Emporia, Negotiated Contract

- Water Purchase Contract No. 23-5
 - Terms of renewal/enhancement
 - Quantity, 2,281 MGY (increase of 1,186 MGY)
 - *Modeled water supply releases needed to supplement natural flows for a projected demand of 3,500 MGY*
 - Term: 22.2 years (ending 12/31/2045)
 - Variable rate (previously capped at 10 cents / 1,000 gallons)
 - Withdrawal (release) and re-diversion at downstream intake (no change)
 - Place of use, refined but no substantive change
 - Standard contract, with one exception
 - *Article 6b – standard statutorily required article (Review and Adjustment), but additional language providing guidance for justification of contract quantity adjustment*

Considerations for Decision

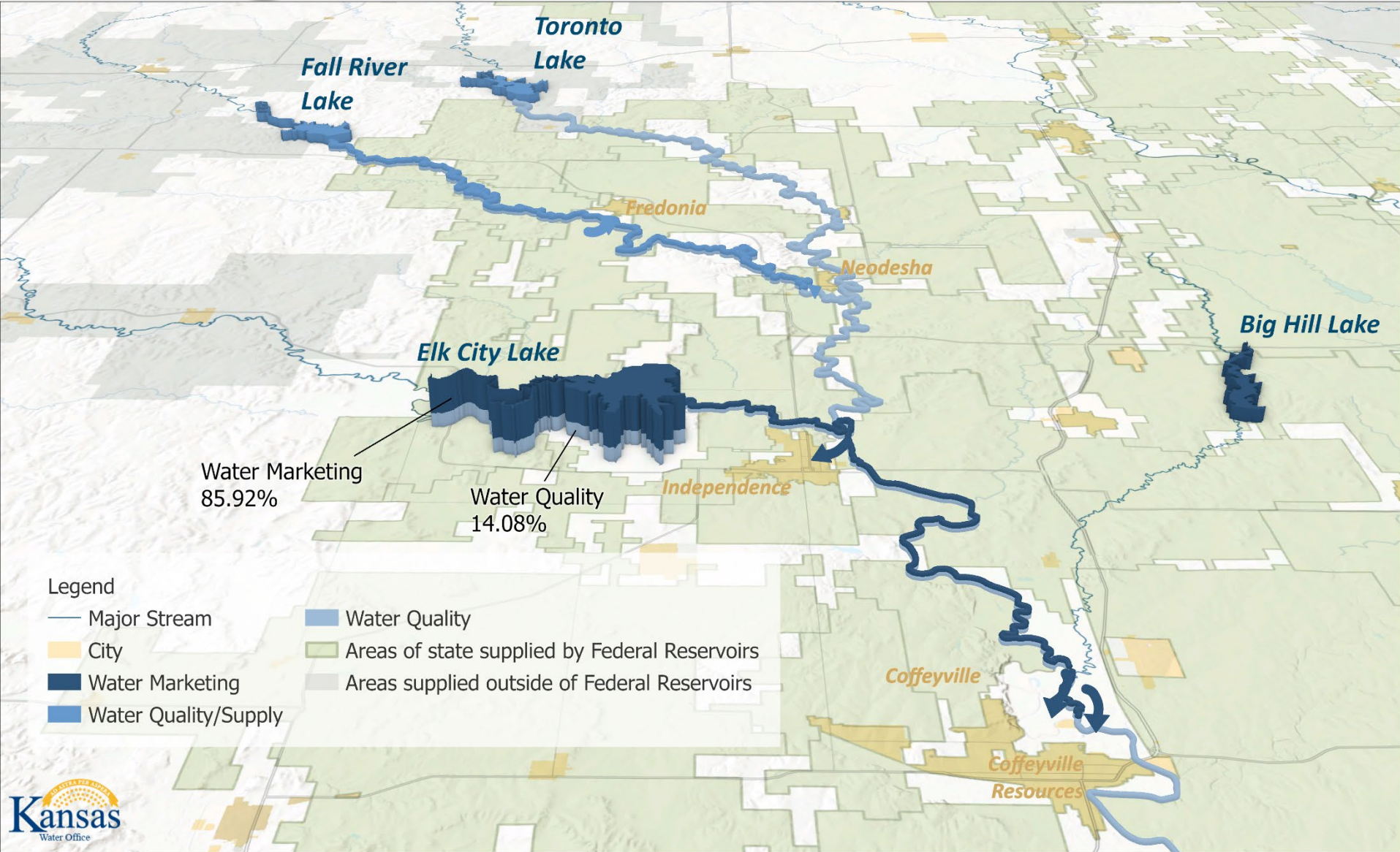
In accordance with **K.S.A. 82a-1311a(c)**, the Kansas Water Authority shall consider the following items in determining whether the proposed contract is in the best interest of the people of the State of Kansas and whether benefits to the State for approving the contract outweigh the benefits to the state for not approving the contract.

- (1) The present and future water supply **needs of the applicant**;
- (2) any **current beneficial uses** being made of the noncontracted water proposed to be diverted;
- (3) any reasonably foreseeable **future beneficial uses** of the water;
- (4) the economic, environmental, public health and welfare and **other benefits or adverse impact** of approving the contract;
- (5) **alternative sources** of water available to the applicant;
- (6) the preliminary plan of design, construction and operation of any **works or facilities** used in conjunction with carrying the water to its point of use;
- (7) whether the proposed purchase is **consistent with the state water plan** approved by the legislature;
- (8) the date of receipt of the application to contract for withdrawal and use of water;
- (9) minimum **streamflow requirements**; and
- (10) whether the applicant has adopted and implemented a **water conservation plan**.

PWS Committee Action

- KWO recommends approval of Water Purchase Contract No. 23-5 (City of Emporia)
- *The PWS Committee recommends the Kansas Water Authority approve Water Purchase Contract No. 23-5 with the City of Emporia, as negotiated*

Verdigris basin



City of Coffeyville, Negotiated Contract

- Water Purchase Contract No. 23-6
 - Terms of renewal/enhancement
 - Quantity, 500 MGY (200 MGY increase)
 - *Modeled water supply releases needed to supplement natural flows for “current” demand of 1,500 MGY are 498 MGY (YOR is 1956)*
 - Term: 10 years
 - *Commission resolution specifies, period to not exceed 10 years*
 - Variable rate (previously capped at 10 cents / 1,000 gallons)
 - Withdrawal (release) and re-diversion at downstream intake (no change)
 - Place of use, refined and added Caney, KS (small user)
 - Standard contract

Considerations for Decision

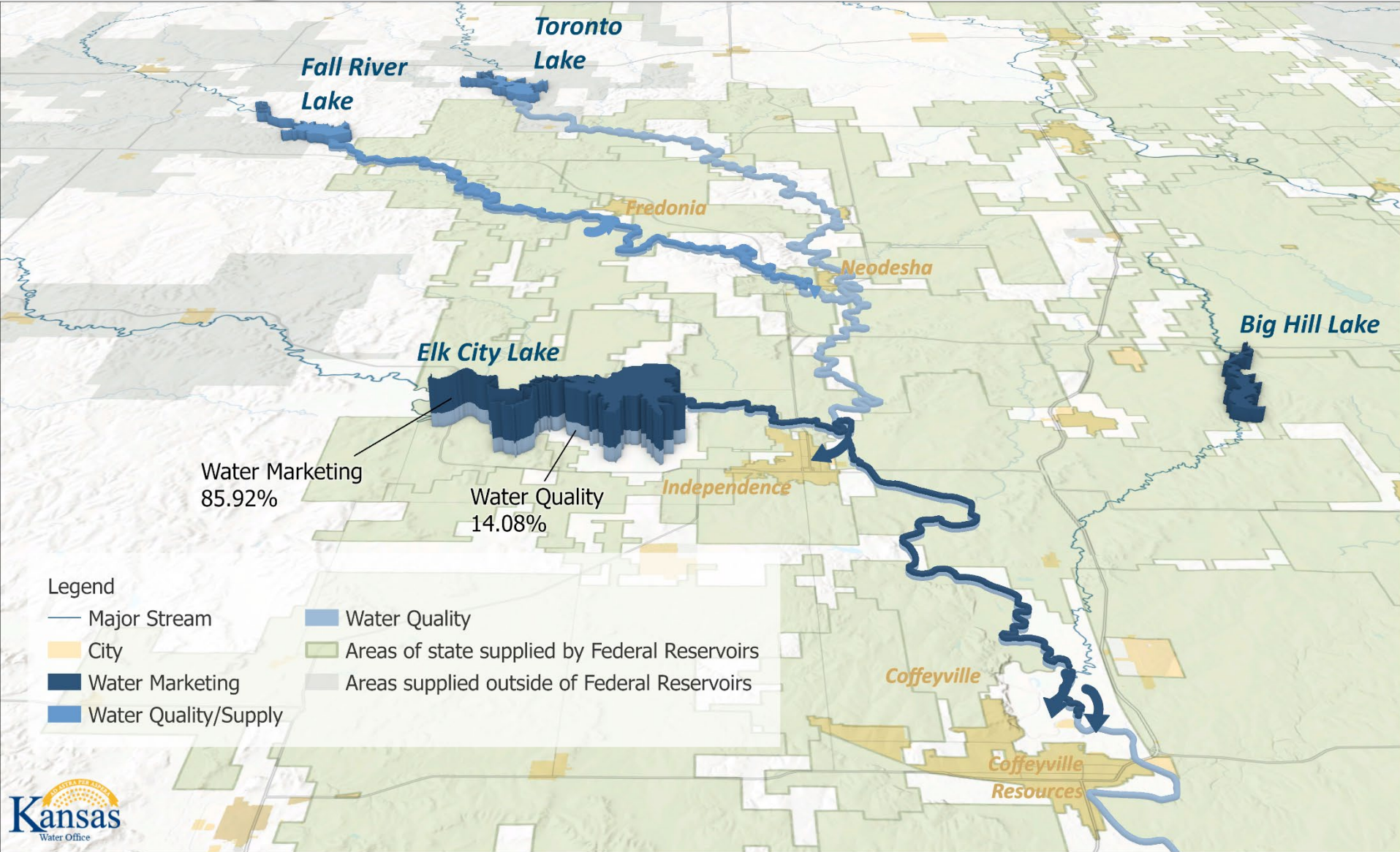
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- (2) any **current beneficial uses** being made of the noncontracted water proposed to be diverted;
- (3) any reasonably foreseeable **future beneficial uses** of the water;
- (4) the economic, environmental, public health and welfare and **other benefits or adverse impact** of approving the contract;
- (5) **alternative sources** of water available to the applicant;
- (6) the preliminary plan of design, construction and operation of any **works or facilities** used in conjunction with carrying the water to its point of use;
- (7) whether the proposed purchase is **consistent with the state water plan** approved by the legislature;
- (8) the date of receipt of the application to contract for withdrawal and use of water;
- (9) minimum **streamflow requirements**; and
- (10) whether the applicant has adopted and implemented a **water conservation plan**.

PWS Committee Action

- KWO recommends approval of Water Purchase Contract No. 23-6 (City of Coffeyville)
- *The PWS Committee recommends the Kansas Water Authority approve Water Purchase Contract No. 23-6 with the City of Coffeyville, as negotiated*

Verdigris basin



City of Independence, Negotiated Contract

- Water Purchase Contract No. 23-8
 - Terms of new contract
 - Quantity, 200 MGY
 - *Modeled water supply releases needed to supplement natural flows for “current” demand of 844 MGY are 369 MGY (YOR is 1956)*
 - Term: 5 years
 - *Some apprehension about commitment to longer term due to the justification based on new industrial customer*
 - Variable rate
 - Withdrawal (release) and re-diversion at downstream intake
 - Place of use, refined and added Montgomery Co. RWD No. 6
 - Standard contract

Considerations for Decision

In accordance with **K.S.A. 82a-1311a(c)**, the Kansas Water Authority shall consider the following items in determining whether the proposed contract is in the best interest of the people of the State of Kansas and whether benefits to the State for approving the contract outweigh the benefits to the state for not approving the contract.

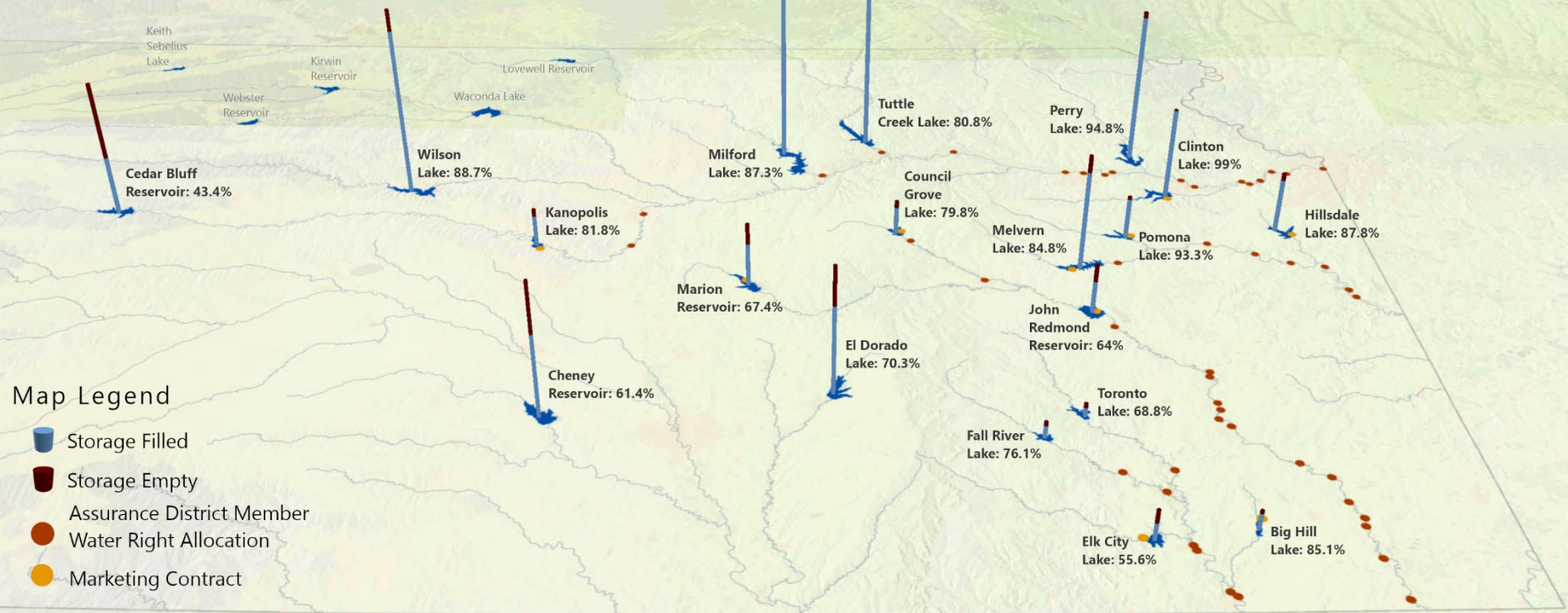
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- (7) whether the proposed purchase is **consistent with the state water plan** approved by the legislature;
- (8) the date of receipt of the application to contract for withdrawal and use of water;
- (9) minimum **streamflow requirements**; and
- (10) whether the applicant has adopted and implemented a **water conservation plan**.

PWS Committee Action

- KWO recommends approval of Water Purchase Contract No. 23-8 (City of Independence)
- *The PWS Committee recommends the Kansas Water Authority approve Water Purchase Contract No. 23-8 with the City of Independence, as negotiated*






Drought Operations

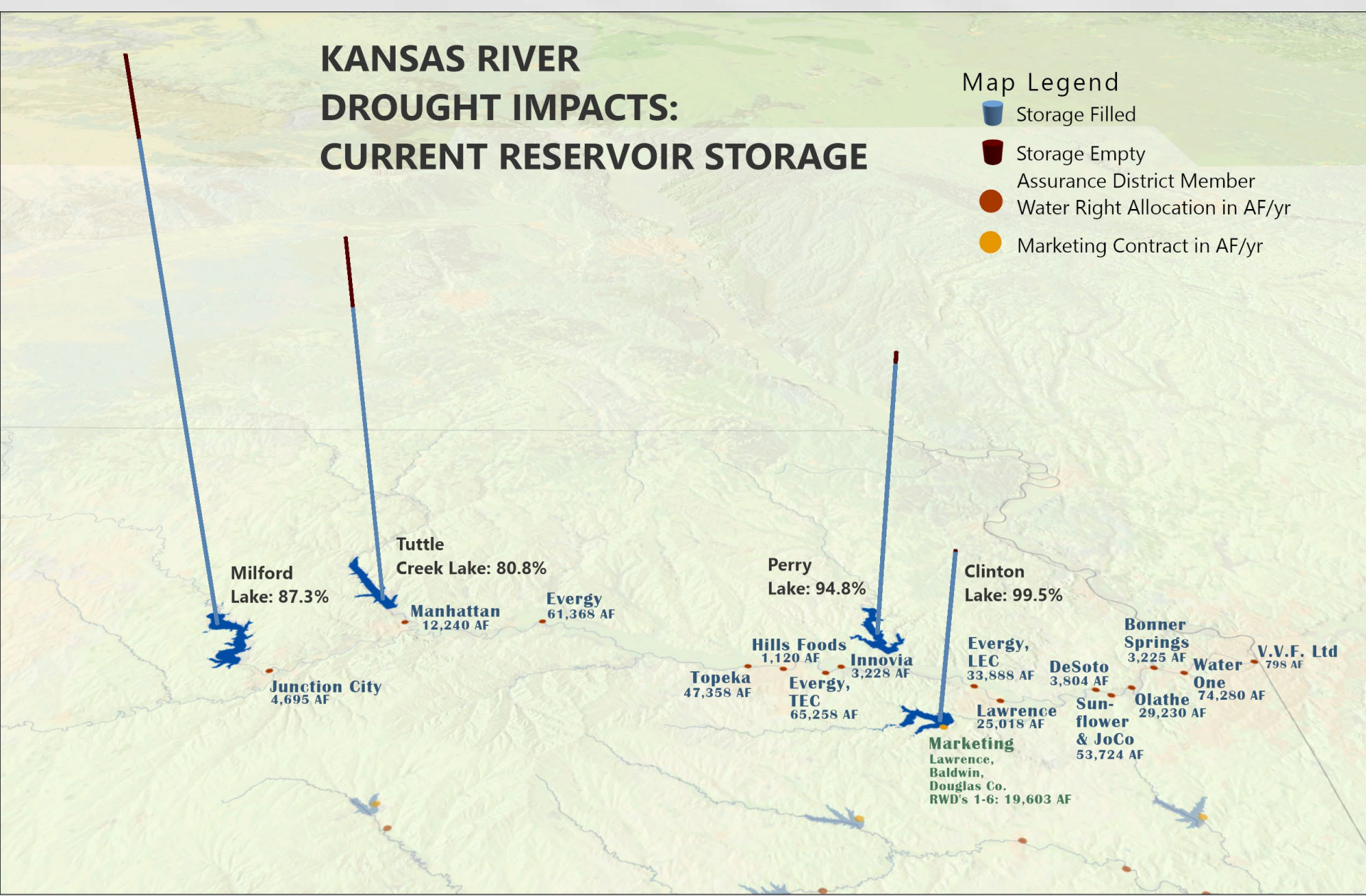
DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE



KANSAS RIVER DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE






Map Legend

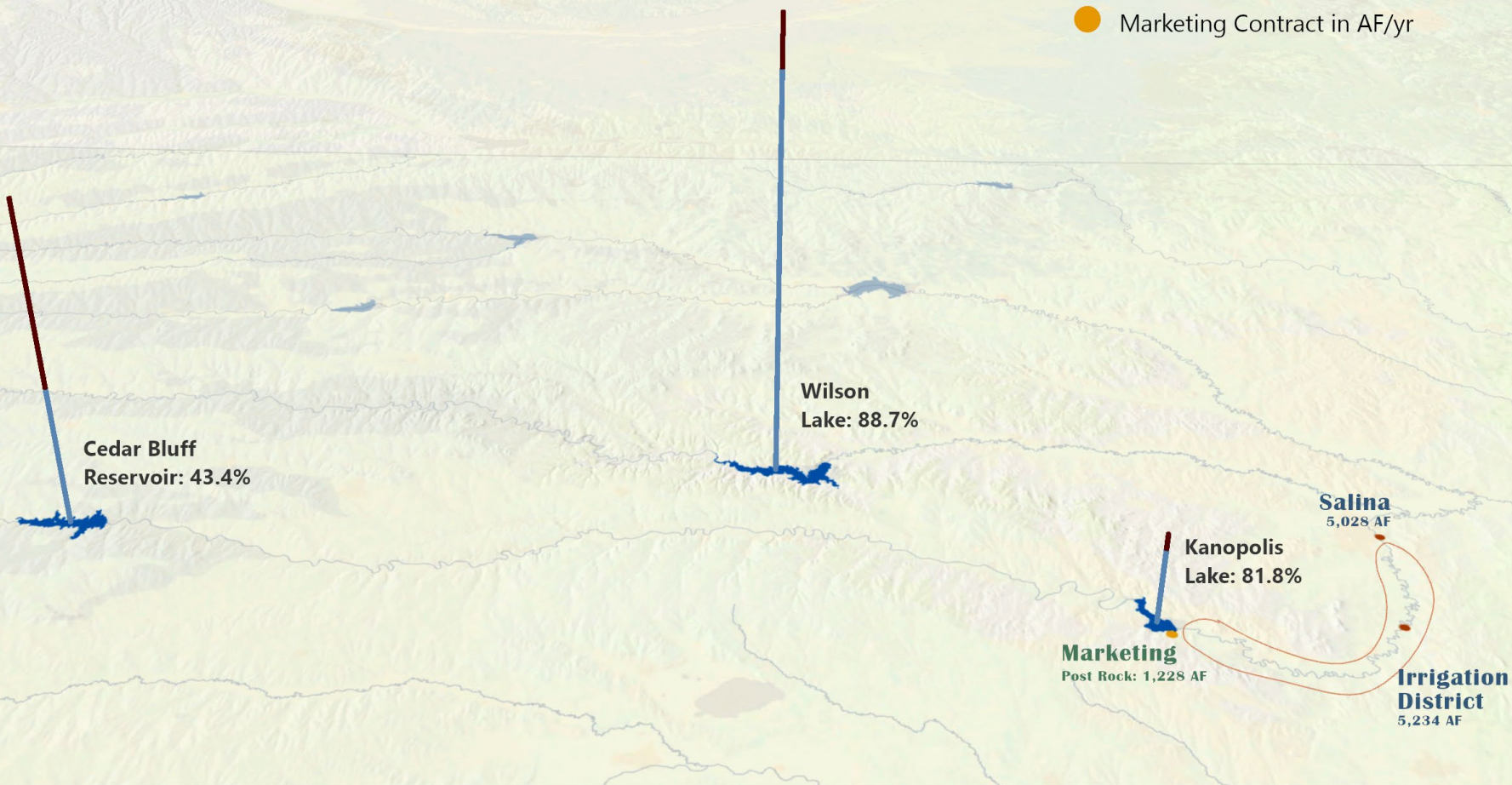
-  Storage Filled
-  Storage Empty
-  Assurance District Member
-  Water Right Allocation in AF/yr
-  Marketing Contract in AF/yr



SMOKY HILL RIVER DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE

Map Legend

-  Storage Filled
-  Storage Empty
-  Assurance District Member
-  Water Right Allocation in AF/yr
-  Marketing Contract in AF/yr



MARAIS DES CYGNES RIVER DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE

Map Legend



Storage Filled



Storage Empty



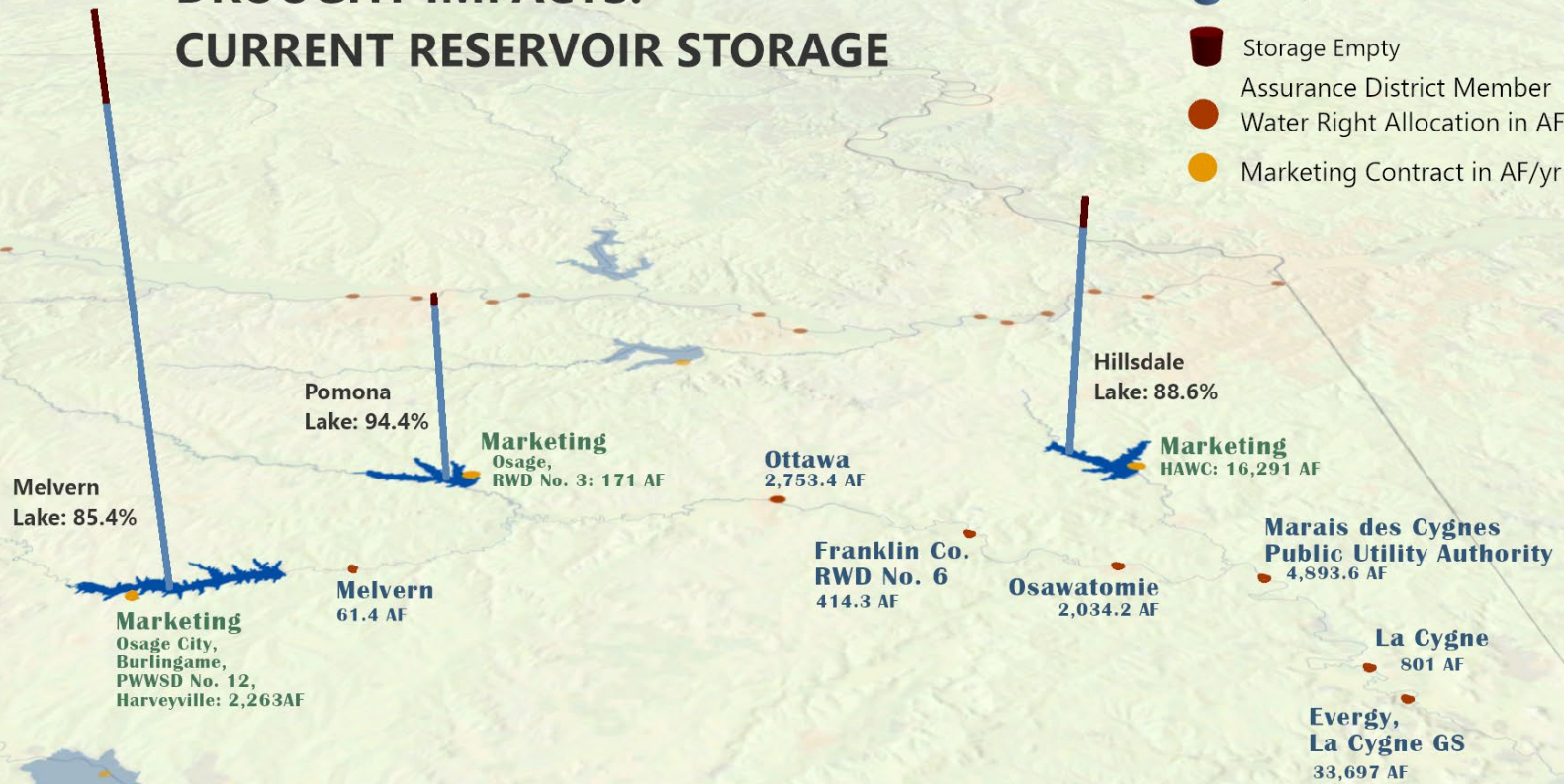
Assurance District Member



Water Right Allocation in AF/yr





Marketing Contract in AF/yr



COTTONWOOD & NEOSHO RIVER DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE






Map Legend

-  Storage Filled
-  Storage Empty
-  Assurance District Member
-  Water Right Allocation in AF/yr
-  Marketing Contract in AF/yr



VERDIGRIS RIVER DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE

Map Legend

-  Storage Filled
-  Storage Empty
-  Assurance District Member
-  Water Right Allocation in AF/yr
-  Marketing Contract in AF/yr





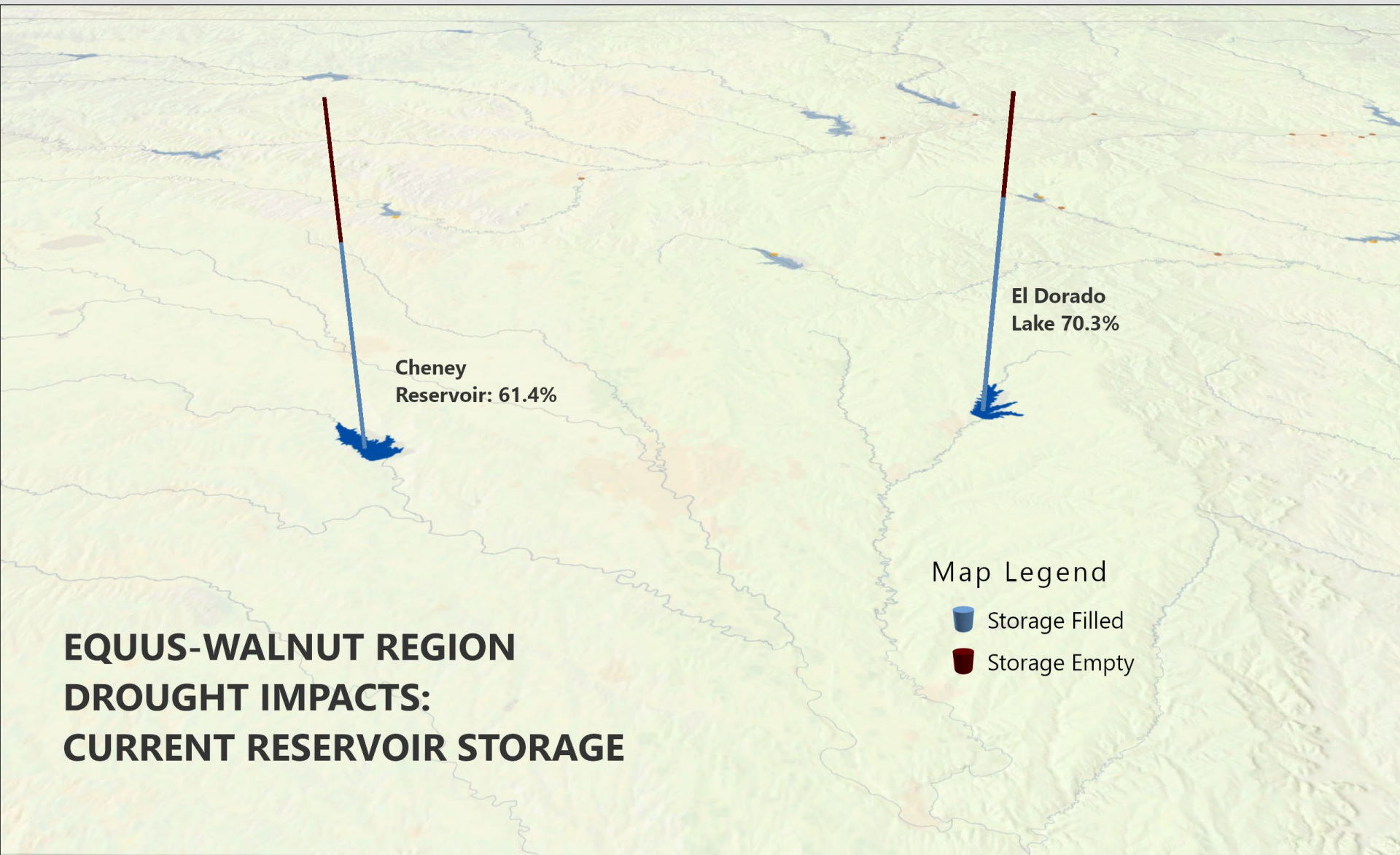
EQUUS-WALNUT REGION DROUGHT IMPACTS: CURRENT RESERVOIR STORAGE

Cheney
Reservoir: 61.4%

El Dorado
Lake 70.3%

Map Legend

-  Storage Filled
-  Storage Empty

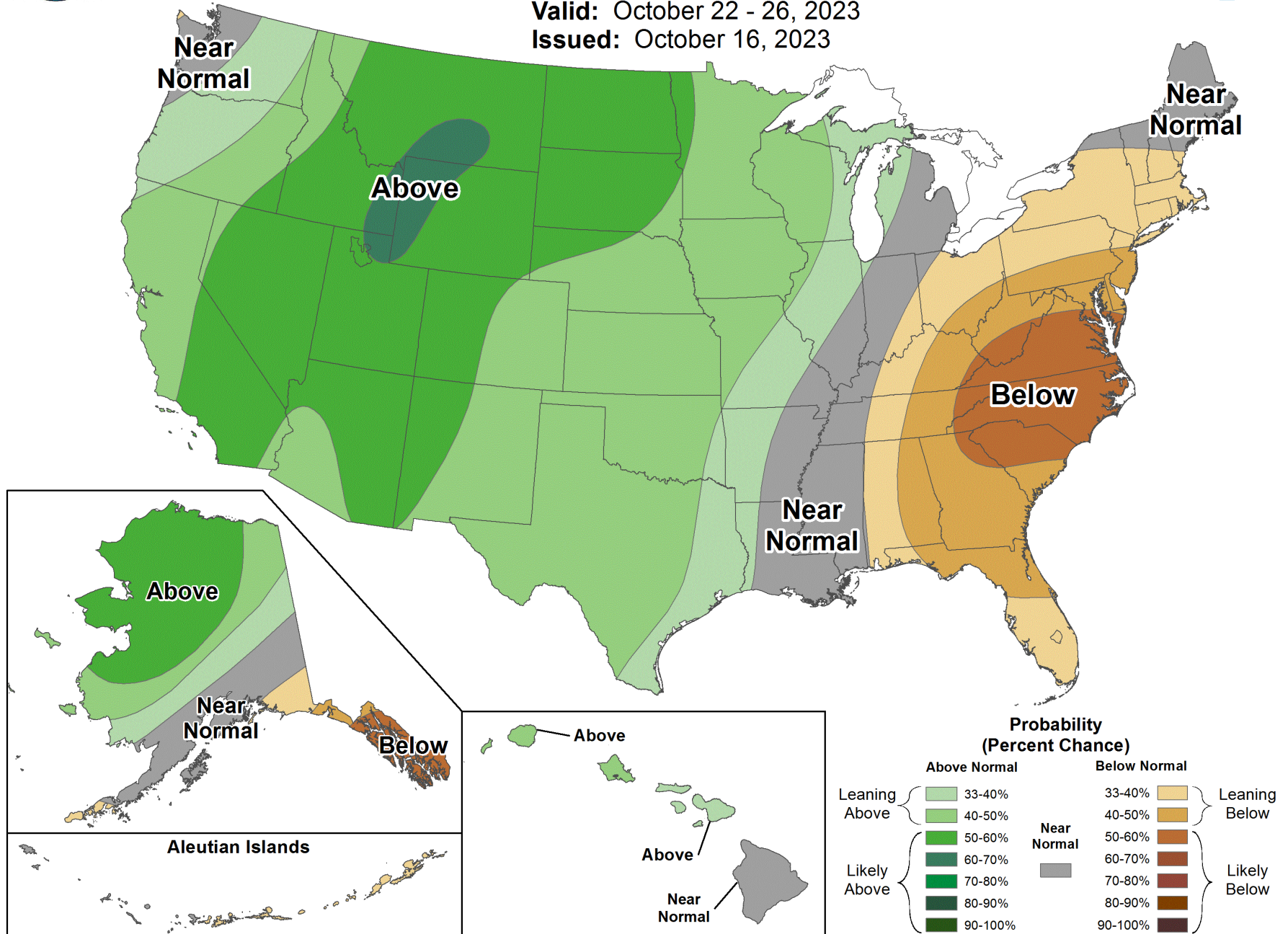




6-10 Day Precipitation Outlook

Valid: October 22 - 26, 2023

Issued: October 16, 2023



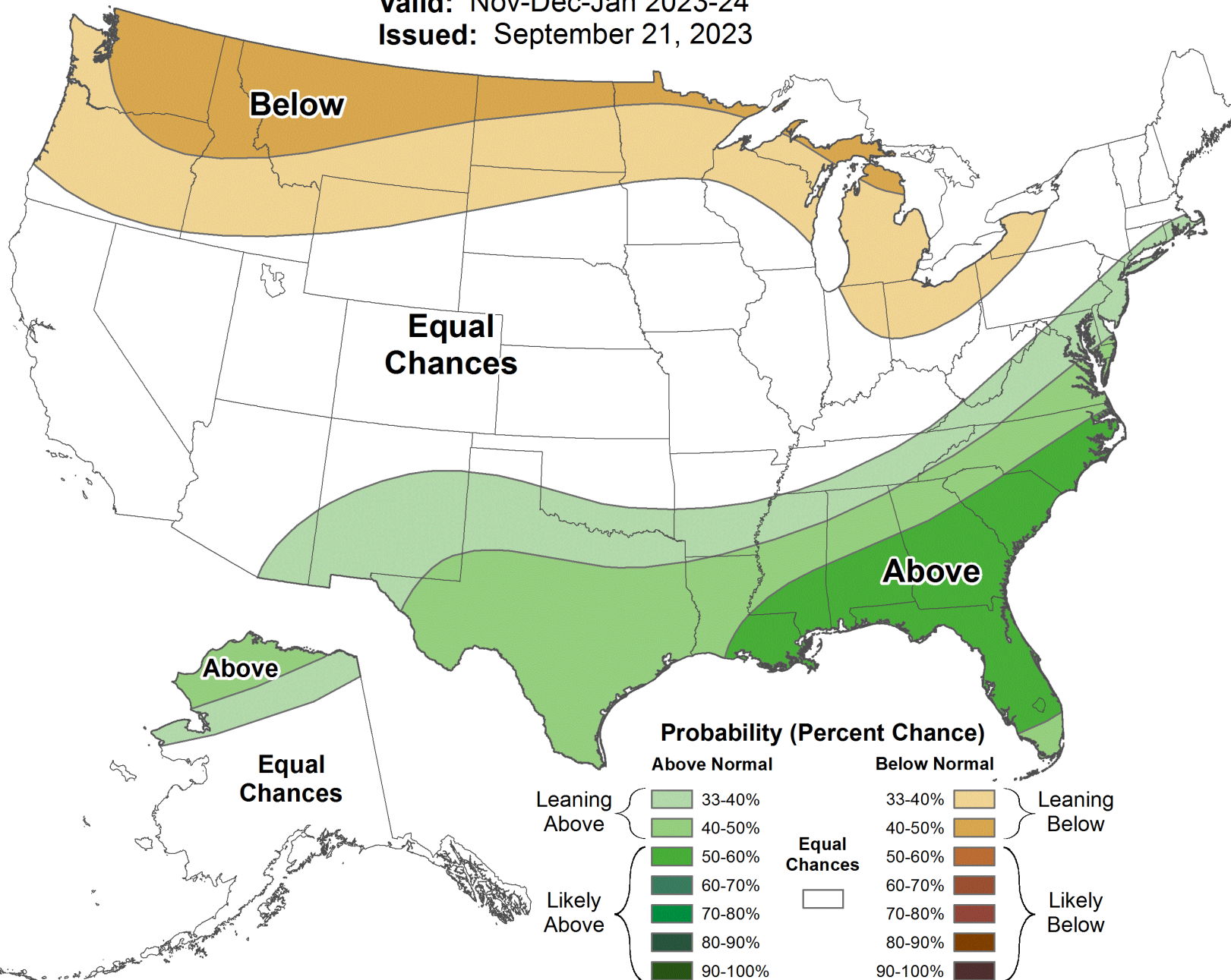


Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2023-24

Issued: September 21, 2023



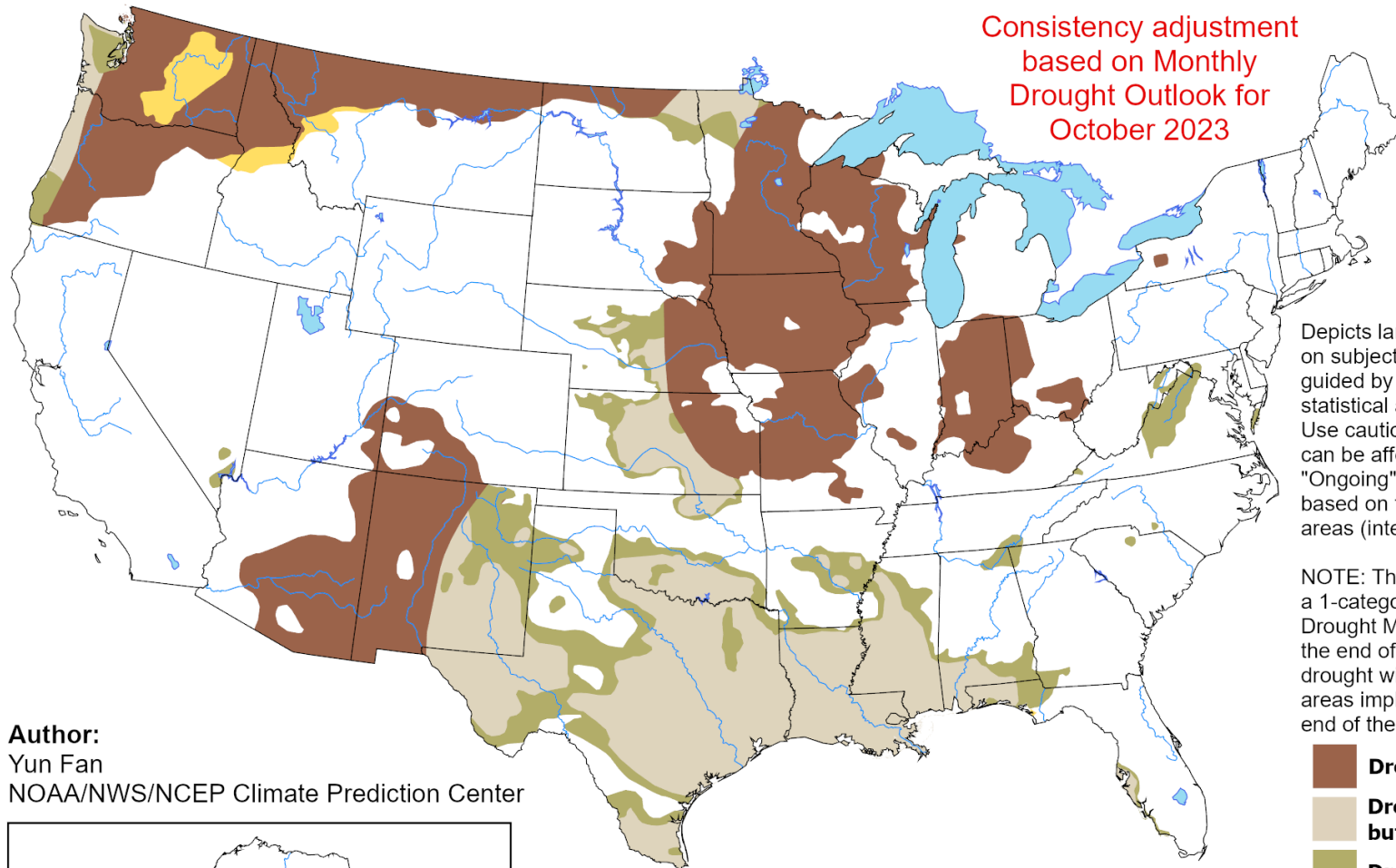
U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 1 - December 31, 2023

Released September 30, 2023

Consistency adjustment
based on Monthly
Drought Outlook for
October 2023

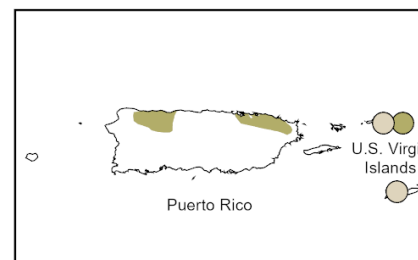
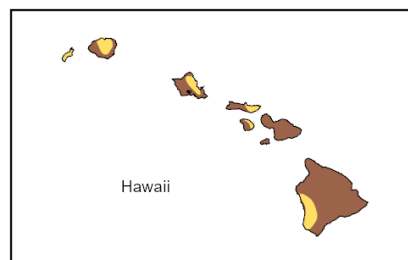
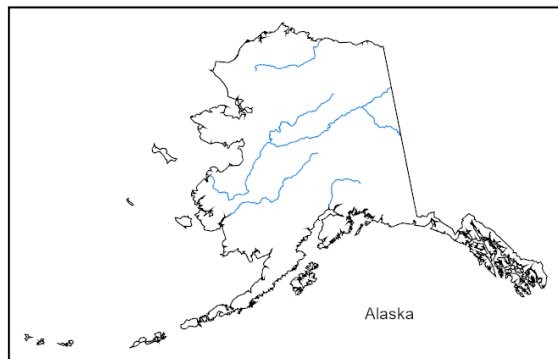


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

Author:
Yun Fan
NOAA/NWS/NCEP Climate Prediction Center

-  **Drought persists**
-  **Drought remains, but improves**
-  **Drought removal likely**
-  **Drought development likely**
-  **No drought**



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

KWA RAC Operations Committee

Presented by: Jeremiah Hobbs & Angela Anderson

Actions Proposed Following 10/3/2023 Committee Meeting:

- KWA approval of RAC Membership Appointments

BREAK

Meeting will resume shortly

KWA Budget Committee

Presented by: Mike Armstrong & Matt Unruh

Actions Proposed Following 8/14/2023 Committee Meeting:

- KWA approval of SWPF FY 2025 Budget Recommendations

THANK YOU TO TODAY'S
MEETING SPONSOR

The Nature
Conservancy



Hays/Russell Water Transfer

Presented by: Matt Unruh

KWA Discussion/Potential Action

- Request to be recognized as a commenting agency
 - *Potential action at today's meeting*
- Discussion of potential comments:
 - Does the KWA want to provide comments?
 - Areas the KWA is best suited to provide comment?
 - What information would be needed to help draft comments to provide?
 - Additional discussion and potential action at a future meeting
 - Special standalone meeting and/or next regular meeting on October 18

KWA Ex Officio Agency Updates

Director's Report

Presented by: Connie Owen

New Business

Adjourn

Upcoming Meetings:

- November 15 & 16, 2023 - Governor's Conference on the Future of Water in Kansas, Manhattan
- December 13, 2023 – Kansas Water Authority, TBD
- January 23 & 24, 2024 – Kansas Water Authority, Topeka
- April 17, 2024 – Kansas Water Authority, TBD
- June 11, 2024 – Kansas Water Authority, TBD
- August 21, 2024 – Kansas Water Authority, TBD
- October 16, 2024 – Kansas Water Authority, TBD
- December 11, 2024 – Kansas Water Authority, TBD