

Kansas Water Authority

Meeting

January 24, 2024

Topeka, 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			--
	December 13, 2023 Meeting			X	2 - 3
9:10 am	KWA Public Water Supply Committee	John Bailey			4 - 33
	Water Contract No. 17-2, Wolf Creek	Nathan Westrup		X	--
9:30 am	KWA RAC Operations Committee	Jeremiah Hobbs			34 - 35
	RAC Messages to the KWA	Jeremiah Hobbs		X	--
	RAC Chair Reports – Marais des Cygnes & Missouri RACs	Keri Harris Michelle Wirth			--
10:00 am	BREAK				--
10:10 am	KWA Ex Officio Agency Updates	Dawn Buehler			--
10:25 am	Director's Report	Connie Owen			--
10:30 am	Governor Laura Kelly				--
10:40 am	KWA Strategic Planning Discussion	Dawn Buehler	X		--
11:50 am	New Business	Dawn Buehler			--
12:00 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:
December 13, 2023

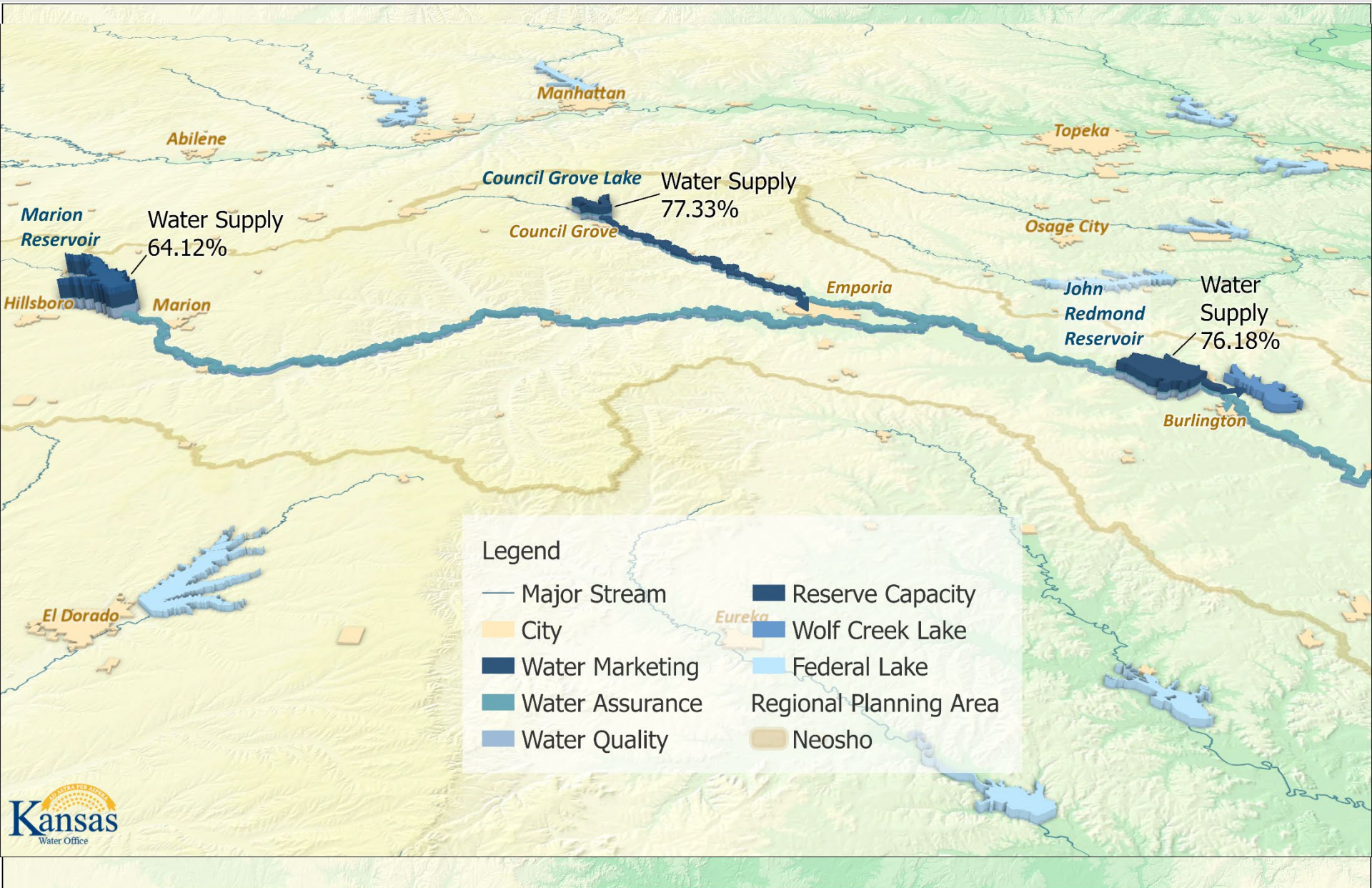
KWA Public Water Supply Committee

Presented by: John Bailey & Nathan Westrup

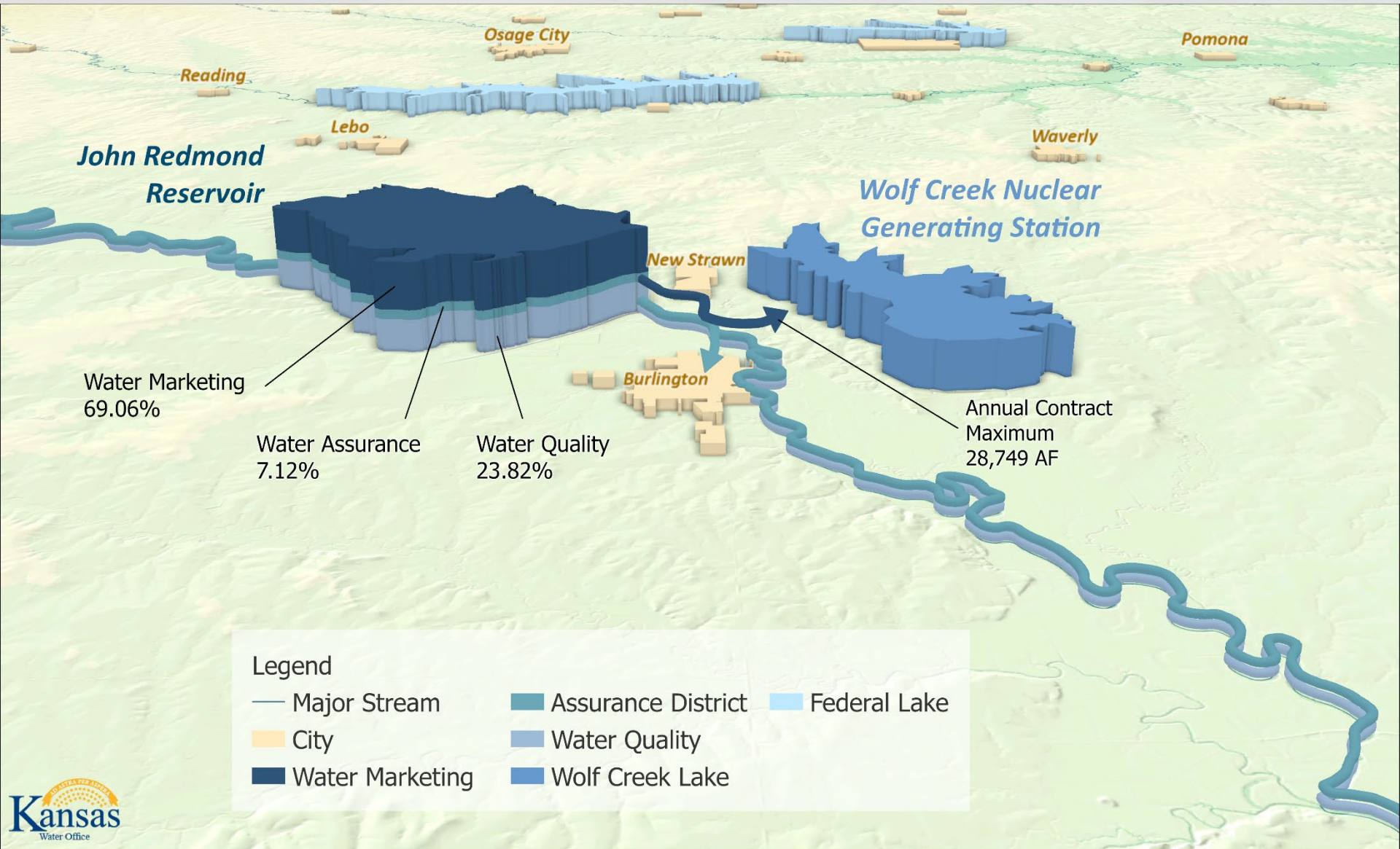
Actions Proposed Following 1/11/2024 Committee Meeting:

- Consider recommendation to approve the negotiated amendment to Water Purchase Contract No. 17-2

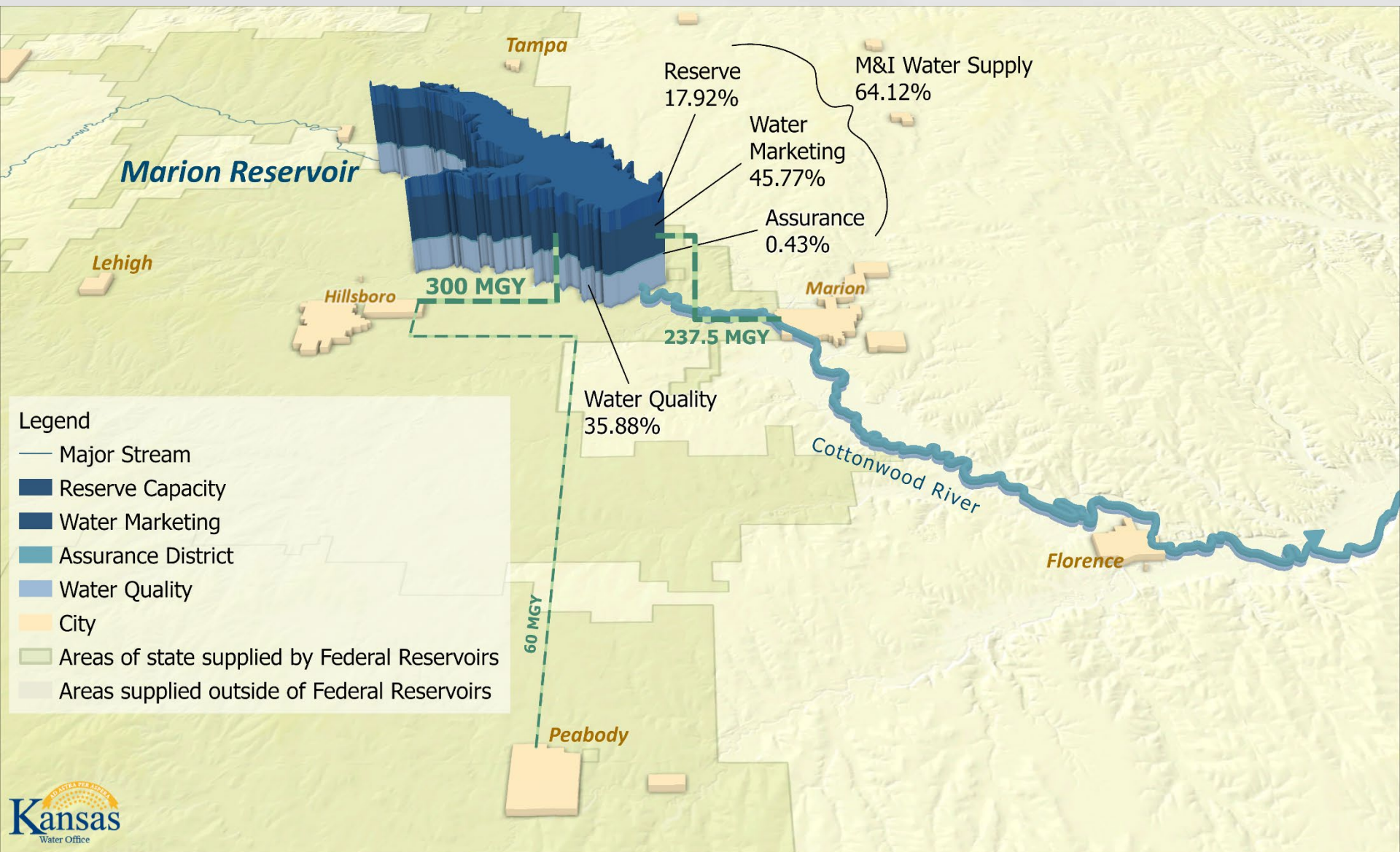
Cottonwood/Neosho Water Supply



John Redmond / Wolf Creek



Marion Reservoir



John Redmond / Wolf Creek

● Water Purchase Contract No. 17-2

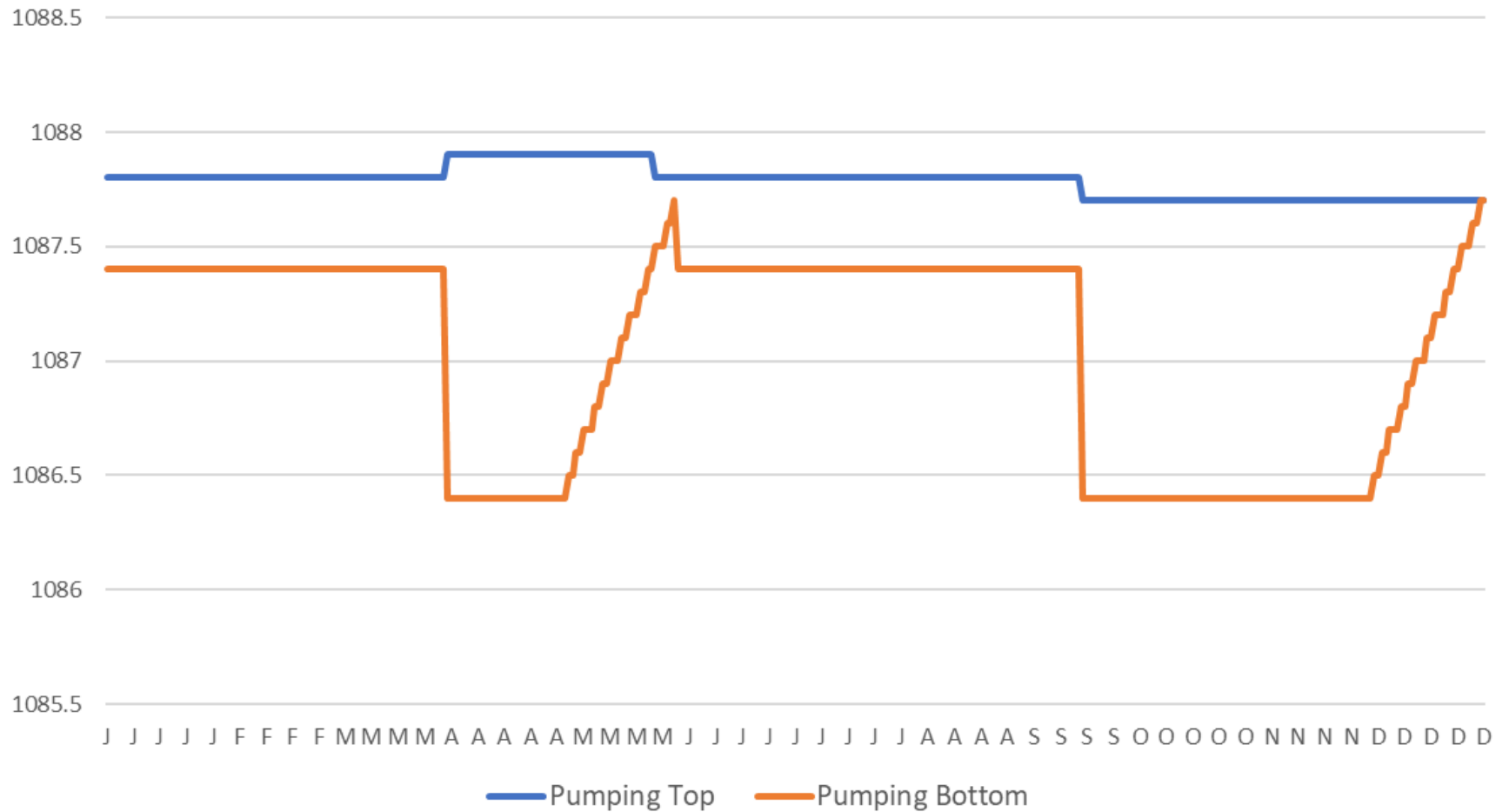
- Term of 10 years (maximum 40)
- Expires 12/31/27
- Quantity, 9,368 MGY

● Request for amendment

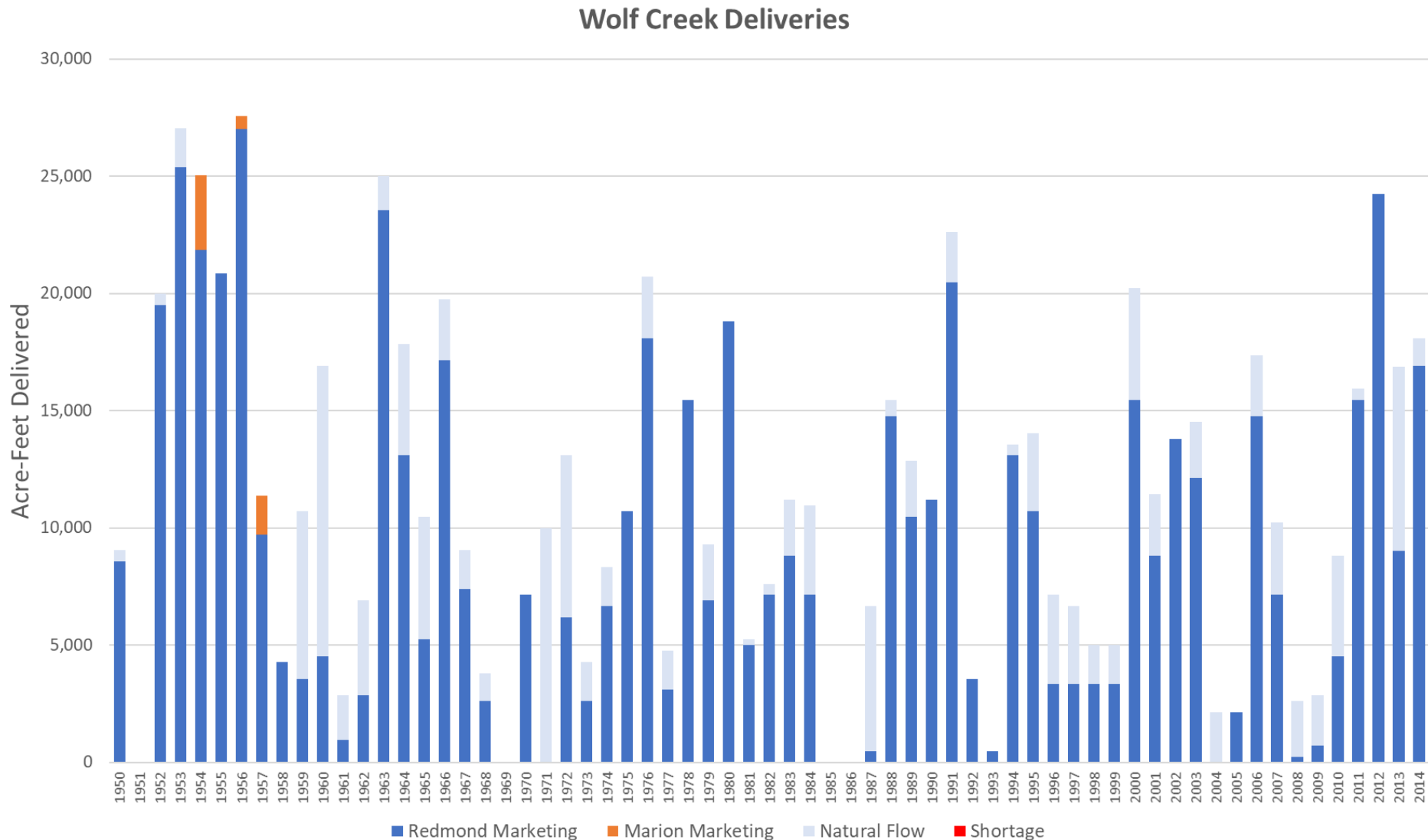
- Article 2, extend contract term through 12/31/2045
 - Plant license currently runs through 2045
- Source of water in addition to John Redmond
 - Modeling shows that a combination of Water Marketing storage in both John Redmond and a portion of Marion will be sufficient to supply contract quantity through 2045
- Article 15 allows for amendment by written agreement
- K.S.A. 82a-1316 & 1305 require KWA approval

Modeling

Cooling Lake Operating Parameters - Calendar Year

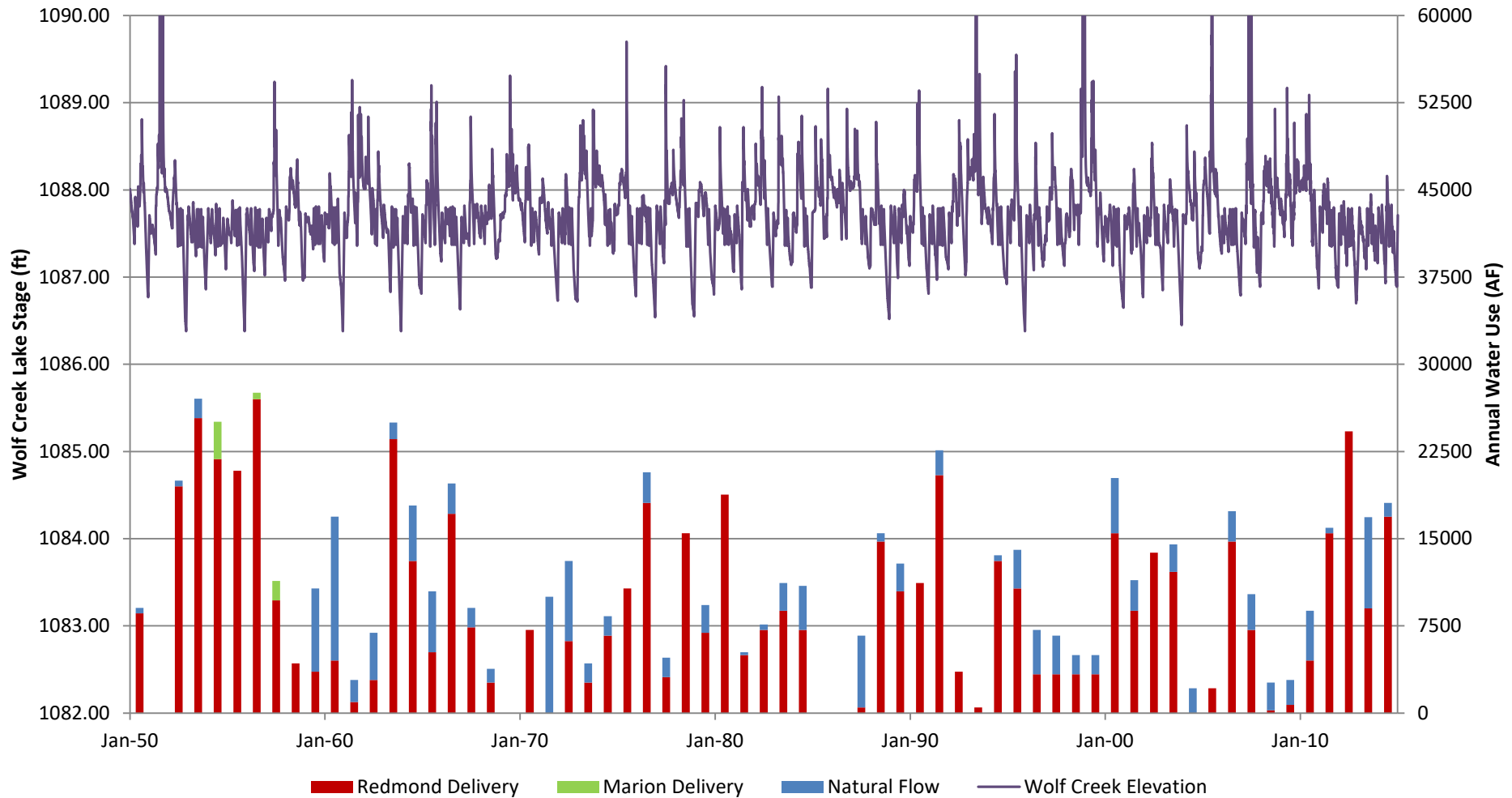


Modeling



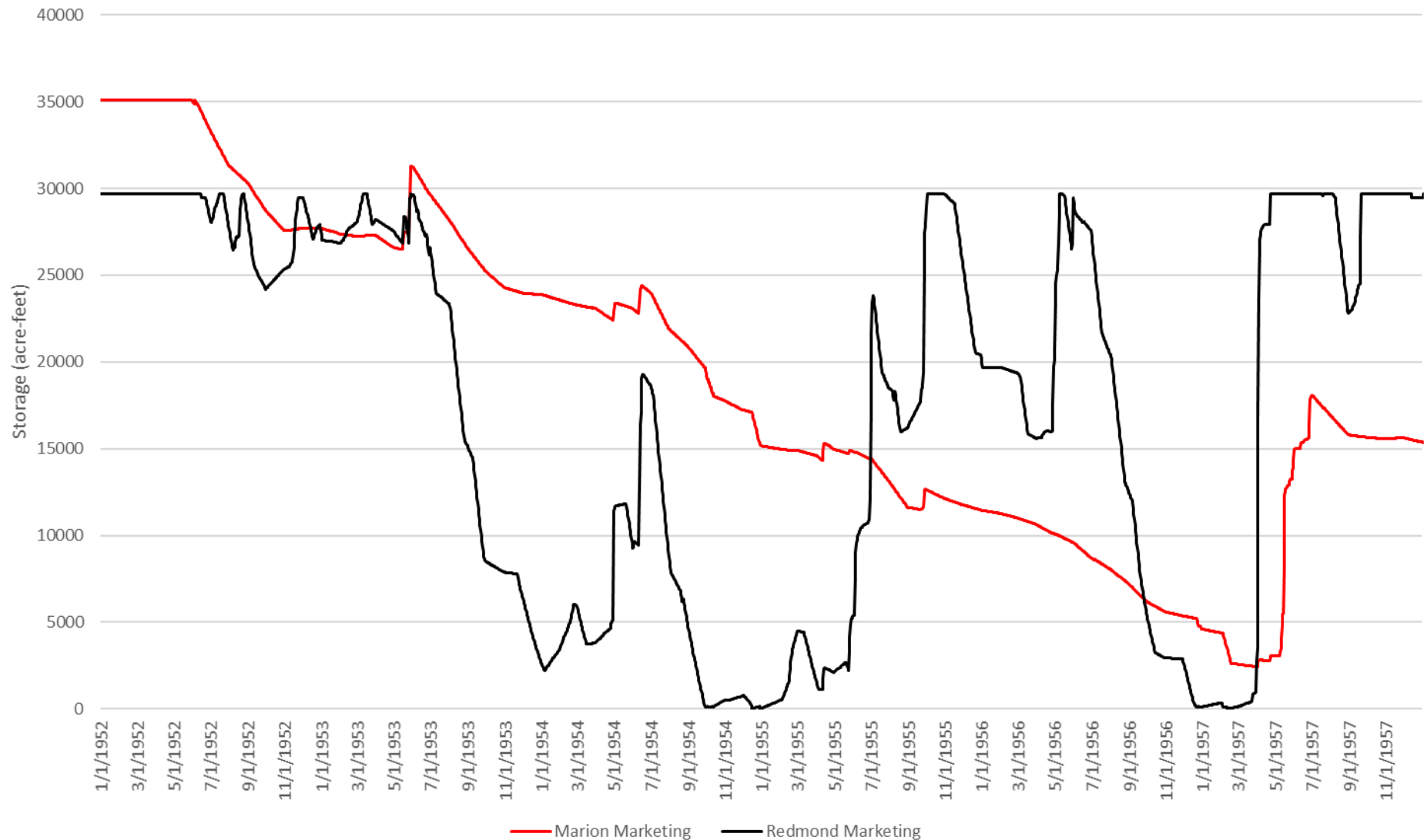
Modeling

Wolf Creek Stage and Delivery



Modeling

Water Marketing Storage



John Redmond / Wolf Creek

● Water Purchase Contract No. 17-2

- Term of 10 years (maximum 40)
- Expires 12/31/27
- Quantity, 9,368 MGY

● Negotiated amendment

- Article 1, expanding available Water Marketing storage (Marion)
- Article 2, extend contract term through 12/31/2045
- Article 10, Point of withdrawal
- Clarification of Article 13, apportionment
- Statement asserting that John Redmond will be utilized as primary source

● PWS Committee recommends amendment approval

KWA RAC Operations Committee

Presented by: Jeremiah Hobbs & Angela Anderson



Actions Needed Following 1/10/2023 Committee Meeting:

- KWA responses to messages from the Upper Arkansas and Upper Republican Regional Advisory Committees

Upper Arkansas Regional Advisory Committee:

Message: *“At the December 15th Upper Arkansas RAC Meeting, the committee voted unanimously to approve providing letters of support for eight proposals to help extend the life of the High Plains Aquifer. We believe there is a need to have facilitation for water users to come to together to improve and help develop effective water conservation practices and programs that help with short-term and long-term solutions. We have had discussion on two different concepts brought forward by members of the RAC. If the grant projects presented at today’s meeting were to receive approval, those activities would be helpful in developing these concepts. The Upper Ark RAC would like to express our sincerest thanks and appreciation to the KWA for the work to restore the SWPF and bring awareness to the water challenges we face. We request a seat at the table for developing the formal process to establish goals and actions to “halt the decline of the Ogallala Aquifer while promoting flexible and innovative management within a timeframe that achieves agricultural productivity, thriving economies and vibrant communities — now and for future generations of Kansans.*

Thank you from the Upper Arkansas RAC. “

Background: The Upper Arkansas RAC met on December 15, 2023 at the Finnup Center, Lee Richardson Zoo in Garden City. They continued discussion on two concepts that had been introduced as messages at the previous meeting that were tabled. During the course of their discussion, it was pointed out that both of the concepts had similar aspects to them, including the same goal and desired outcome to help address the declines of the High Plains Aquifer. The conversation then turned to how to get ideas like those shared and the proposals for letters of support previously shared during the meeting into action and getting the right facilitation in place. The need was identified for facilitation for all water users to come together to help develop effective water conservation practices and programs. The RAC Committee voted unanimously to send a message that highlighted the key points of their discussion and restated points from a previous message.

RAC Operations Committee’s Response: The RAC Operations Committee voted unanimously to provide the following response to the Kansas Water Authority:

“The RAC Operations Committee agrees with the Upper Arkansas RAC committee that there is a need for facilitation for water users to come together to improve and help develop effective water conservation practices and programs that aid with short-term and long-term solutions. The RAC Operations Committee believes the Ogallala Committee should receive this request and work with the Upper Arkansas RAC to help provide the input necessary to the Kansas Water Authority on this subject.”

Proposed Response for the KWA: The Kansas Water Authority agrees with the Upper Arkansas RAC committee that there is a need for facilitation for water users to come together to improve and help develop effective water conservation practices and programs that aid with short-term and long-term solutions. The Kansas Water Authority believes the Ogallala Committee should receive this request and work with the Upper Arkansas RAC to help provide the input necessary to the Kansas Water Authority on this subject.

Upper Republican Regional Advisory Committee:

Message: *“The Upper Republican RAC would like to express appreciation and gratitude to the KWA for the support and efforts taken towards increasing State Water Plan Funds to our region. Your support through funding demonstrates your shared concern for water resources in our region and those funds will assist us in continuing to reduce aquifer declines. Thank you!”*

Background: The Upper Republican RAC met on December 8, 2023 at the Northwest Kansas Groundwater Management District No. 4 office. The RAC wished to express their appreciation and voted unanimously to send message stating this.

Staff Input: The Kansas Water Office offers thanks for both the message and for all the Upper Republican RAC members do for advising the KWO and KWA on local water-related issues, serving as a link to the public and water management entities in Kansas, and for all they do for water in Kansas.

Recommended Action of the KWA

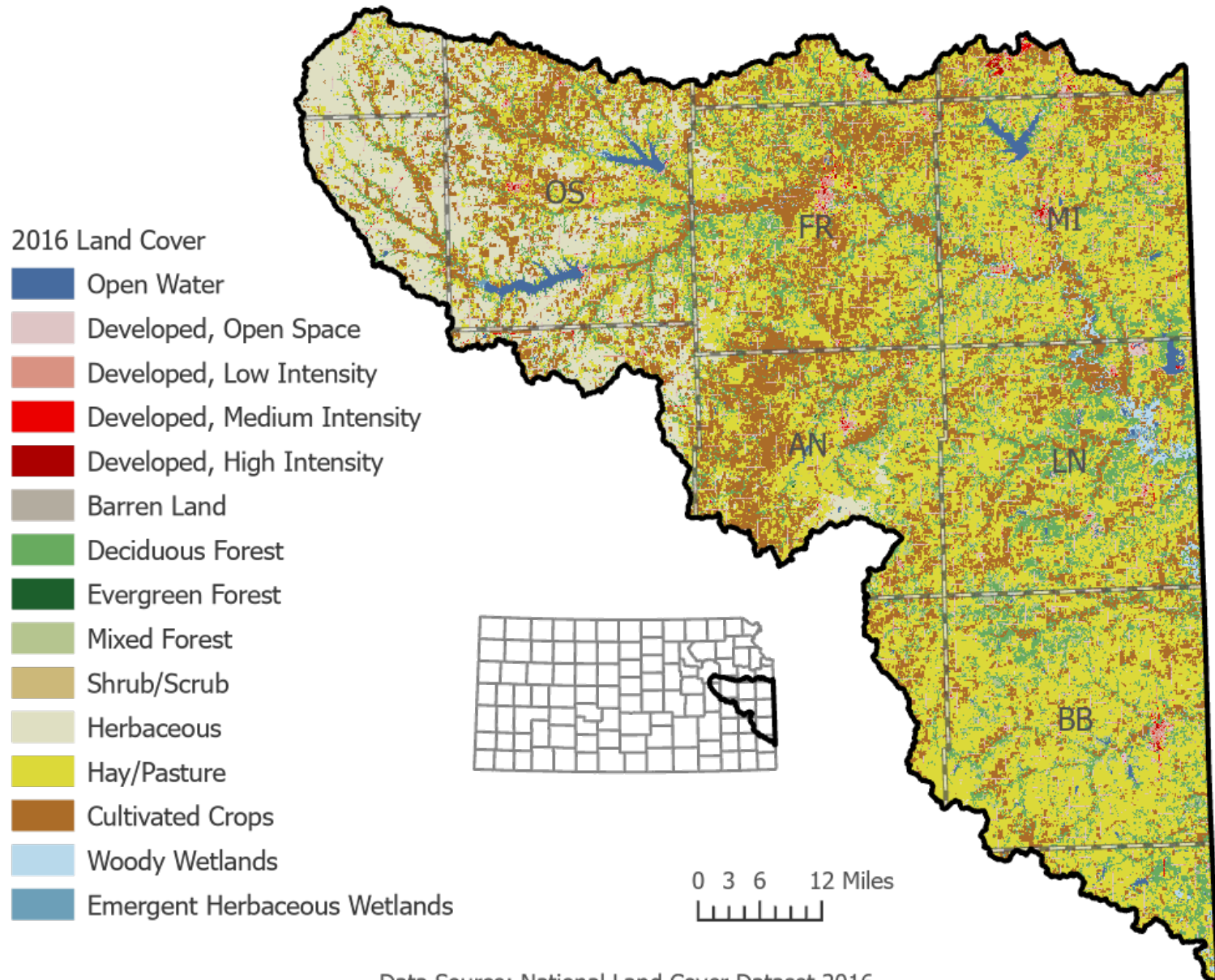
The KWA RAC Operations Committee recommends approval of the proposed responses, and offerings of thanks for the appreciation given to the Kansas Water Authority for the support and efforts towards securing funds for the State Water Plan Fund, as reflected in the messages from the Upper Arkansas and Upper Republican RACs.

KWA RAC Operations Committee

Regional Advisory Committee Updates:

Keri Harris – Marais des Cygnes RAC

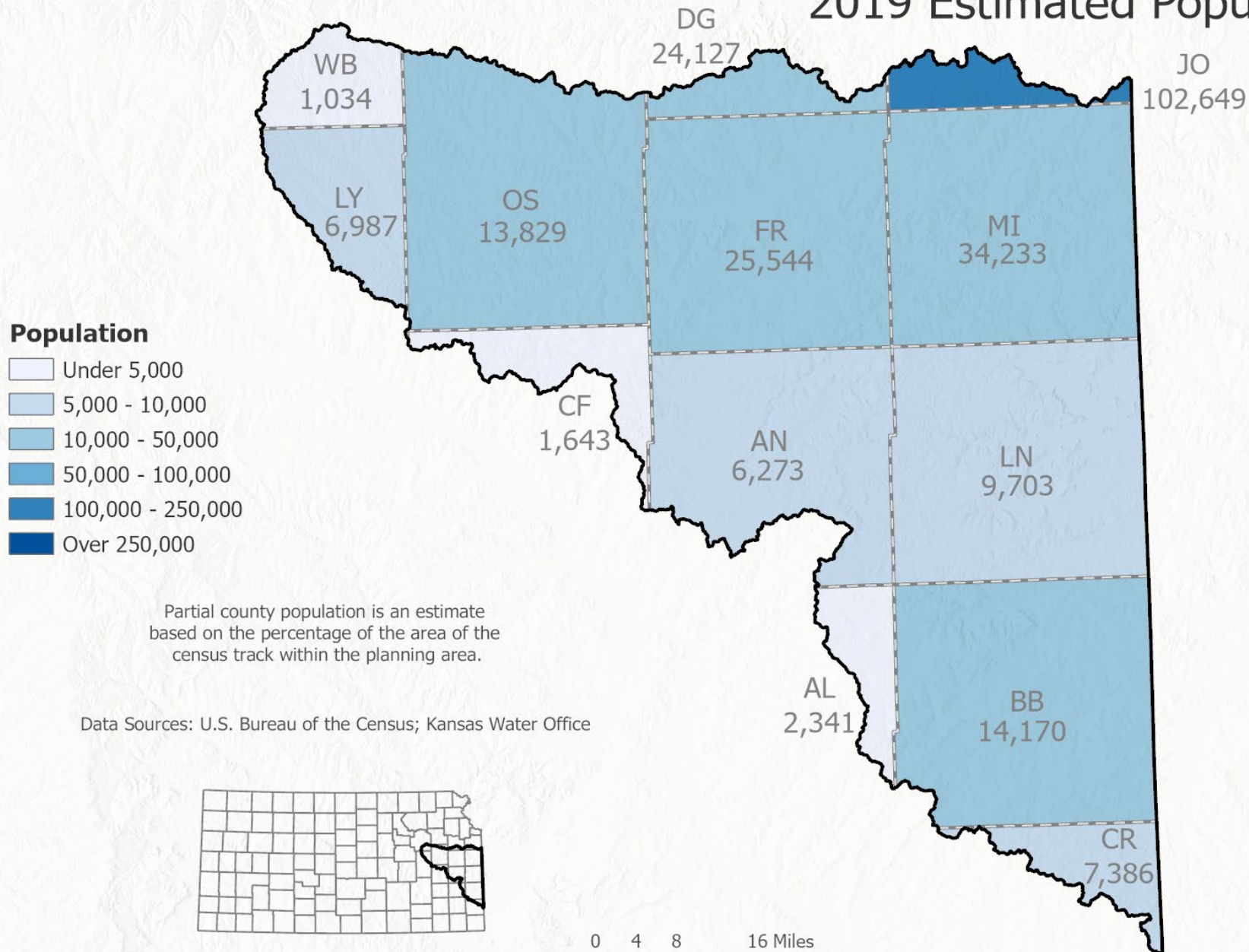
Marais des Cygnes Regional Planning Area



Data Source: National Land Cover Dataset 2016

Marais des Cygnes Regional Planning Area

2019 Estimated Population

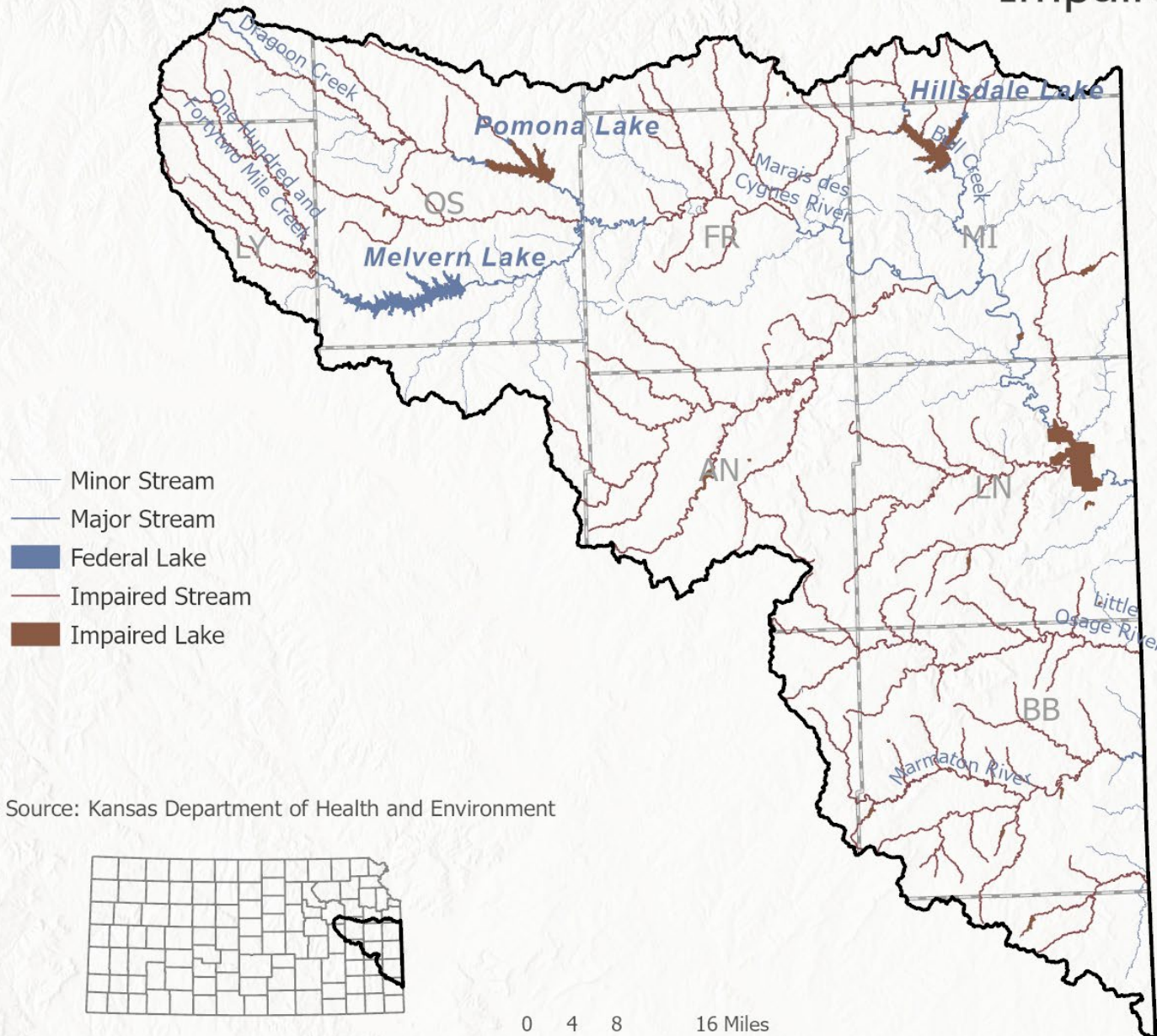


Regional Goals

1. Reduce cumulative sediment loads into the three federal reservoirs (Pomona, Melvern, and Hillsdale) by 10% every 10 years
2. Ensure water supply storage in the Marais des Cygnes is able to supply for 110% of the projected demands through the year 2050
3. Continually work to prevent the spread of AIS (aquatic invasive species) into Kansas Lakes that are not currently infested.

Marais des Cygnes Regional Planning Area

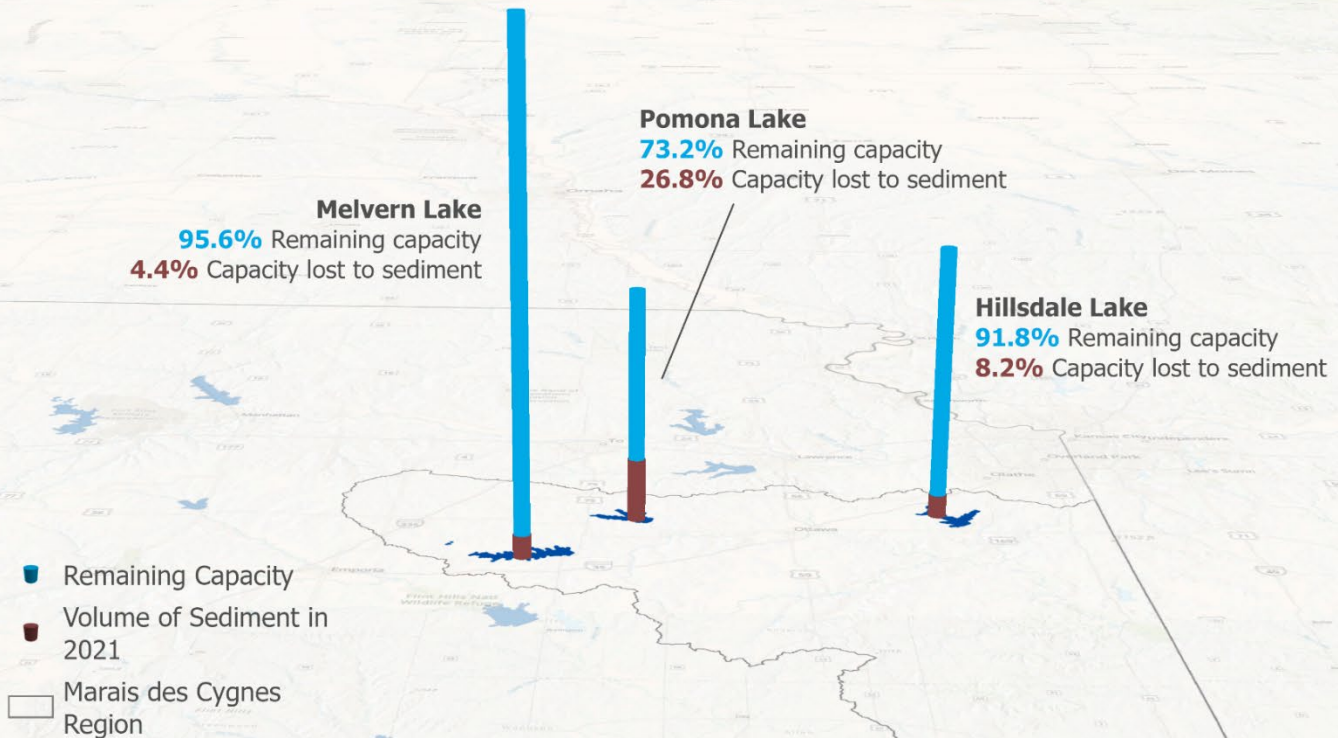
Impaired Waters



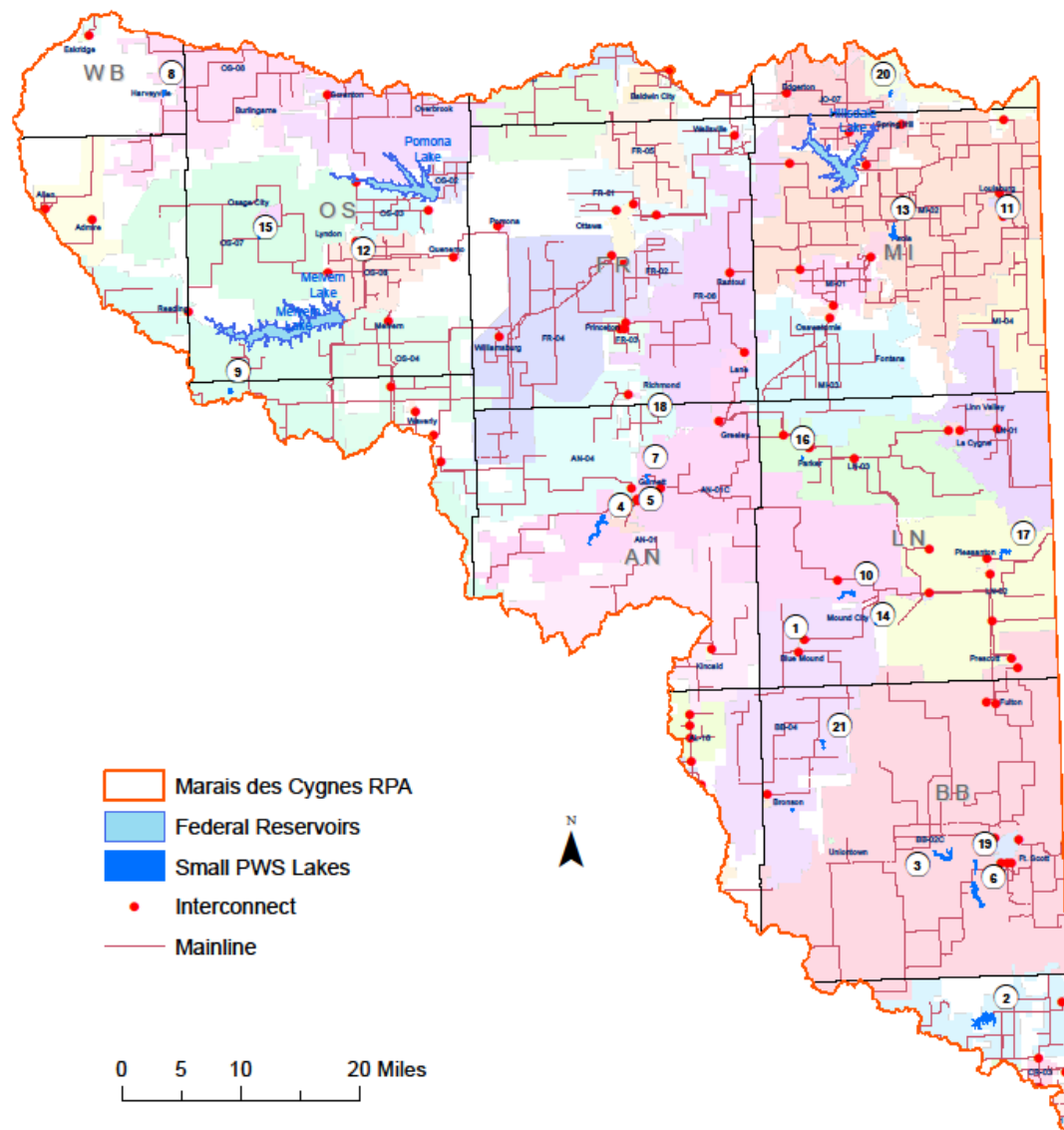
Water Quantity

Remaining Storage within Kansas Reservoirs

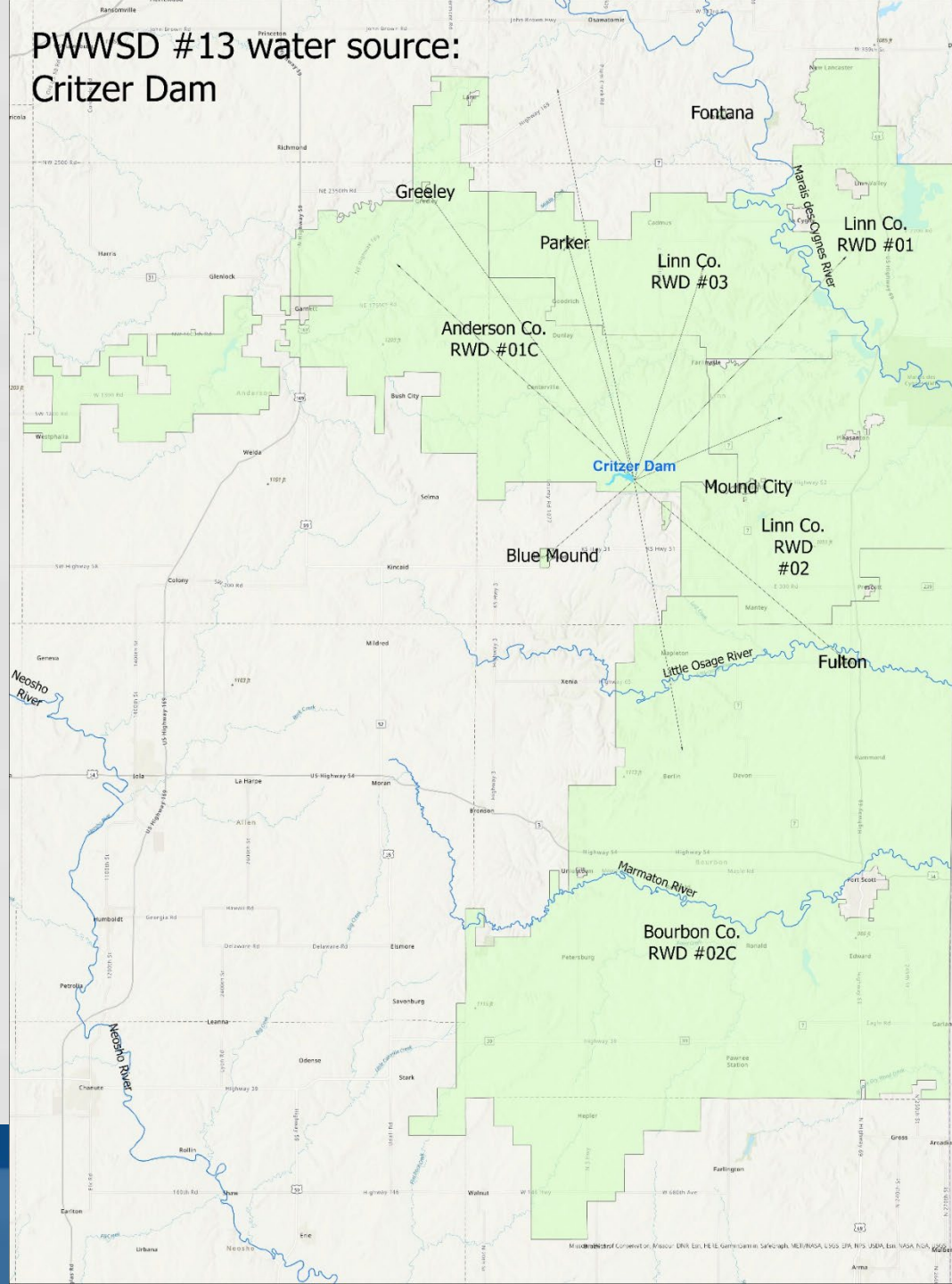
The vertical height of each bar represents total storage capacity. The blue indicates the 2021 capacity of each reservoir. The brown indicates the volume of sediment in each reservoir.



Key	Lake Name
1	Blue Mound City Lake
2	Bone Creek Lake
3	Branson City Lake
3	Cedar Creek Reservoir
4	Cedar Creek Valley Lake
5	Crystal Lake
6	Fort Scott City Lake
7	Garnett North Lake
8	Harveyville Lake
9	Lebo City Lake
10	Little Sugar Creek Lake (
11	Louisburg Old Lake
12	Lyndon City Lake
13	Miola Lake
14	Mound City Lake
15	Osage City Reservoir
16	Parker City Lake
17	Pleasanton Reservoir
18	Richmond City Lake
19	Rock Creek Lake
20	Spring Hill City Lake
21	Xenia Lake



PWWSD #13 water source: Critzler Dam



Going well in the region

1. Hillsdale WRAPS
2. Increased funding for conservation districts
3. Overall increased funding for the State Water Plan Fund

Questions?

Keri Harris

Marais des Cygnes RAC Chair
frco.conservation@gmail.com



BREAK

Meeting will resume shortly

Kansas Water Authority Ex Officio Agency Updates

Presented by: Dawn Buehler

Director's Report

Presented by: Connie Owen

The Kansas Water Authority

Welcomes Governor Laura Kelly



Kansas Water Authority Strategic Planning Discussion

Presented by: Dawn Buehler

New Business

Adjourn

Upcoming Meetings:

- April 17, 2024 – Kansas Water Authority, Garden City
- June 11, 2024 – Kansas Water Authority, Manhattan
- August 21, 2024 – Kansas Water Authority, TBD (South-Central Kansas)
- October 16, 2024 – Kansas Water Authority, TBD (Northwest Kansas)
- December 11, 2024 – Kansas Water Authority, TBD (Southeast Kansas)