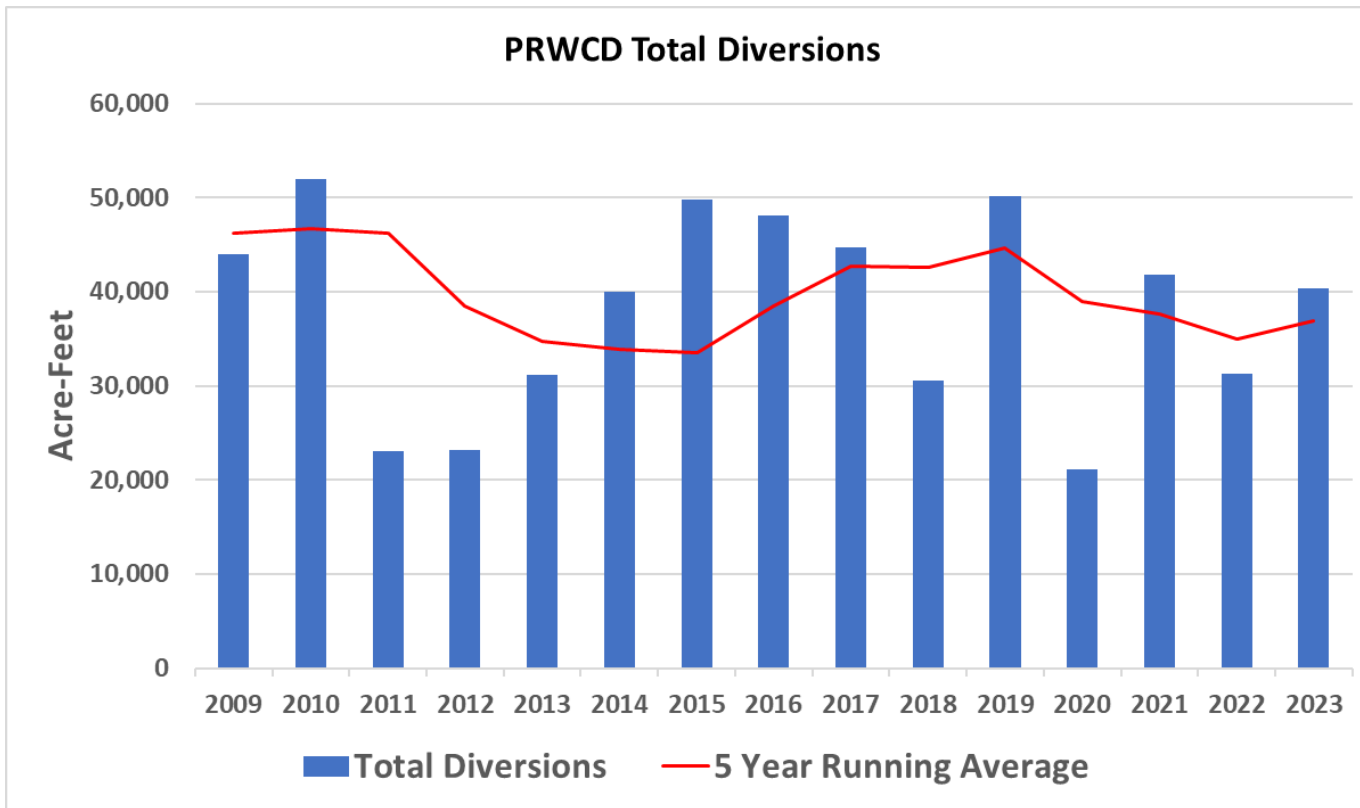


PURGATOIRE RIVER WATER CONSERVANCY DISTRICT

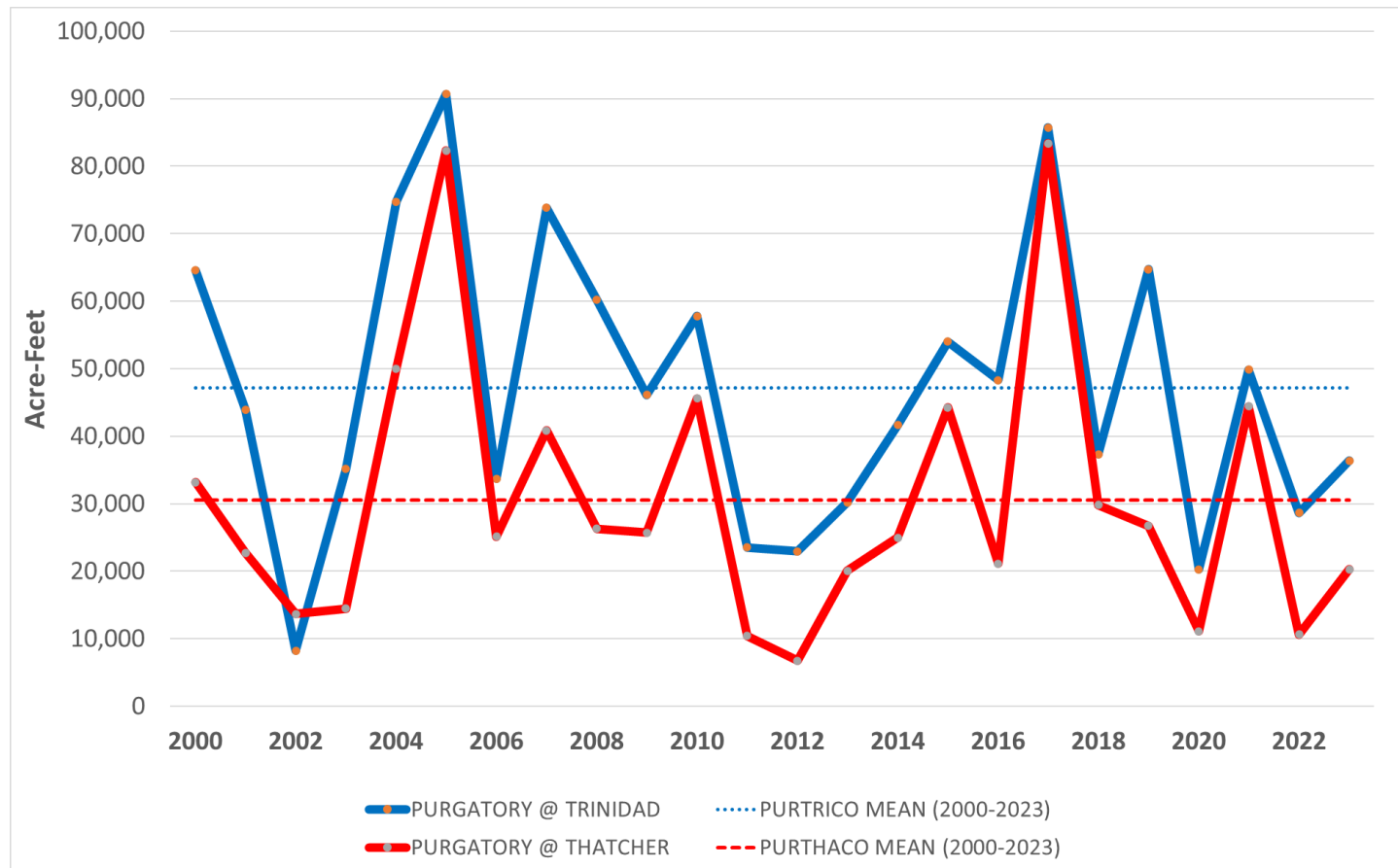
ARKANSAS RIVER COMPACT ADMINISTRATION MEETING PRESENTATION

DECEMBER 7, 2023



- Total Diversions for 2023 = 40,393 acre-feet.
 - Project Administration Diversion Component = 40,081 acre-feet.
 - Priority Administration Diversion Component = 312 acre-feet.
- Average Diversions (2005-2023): 39,941 acre-feet.
- Purgatoire River basin snowpack: March 1: 69% of average, April 1: 93% of average, May 1: 41% of average.
- The Model Pool storage in Trinidad Reservoir: October 16 (2022) – April: 7,616 acre-feet and June 8-24: 3,194 acre-feet due to significant general rains in the area.

Purgatoire River Flows at the Purgatoire at Trinidad and Purgatoire at Thatcher Locations

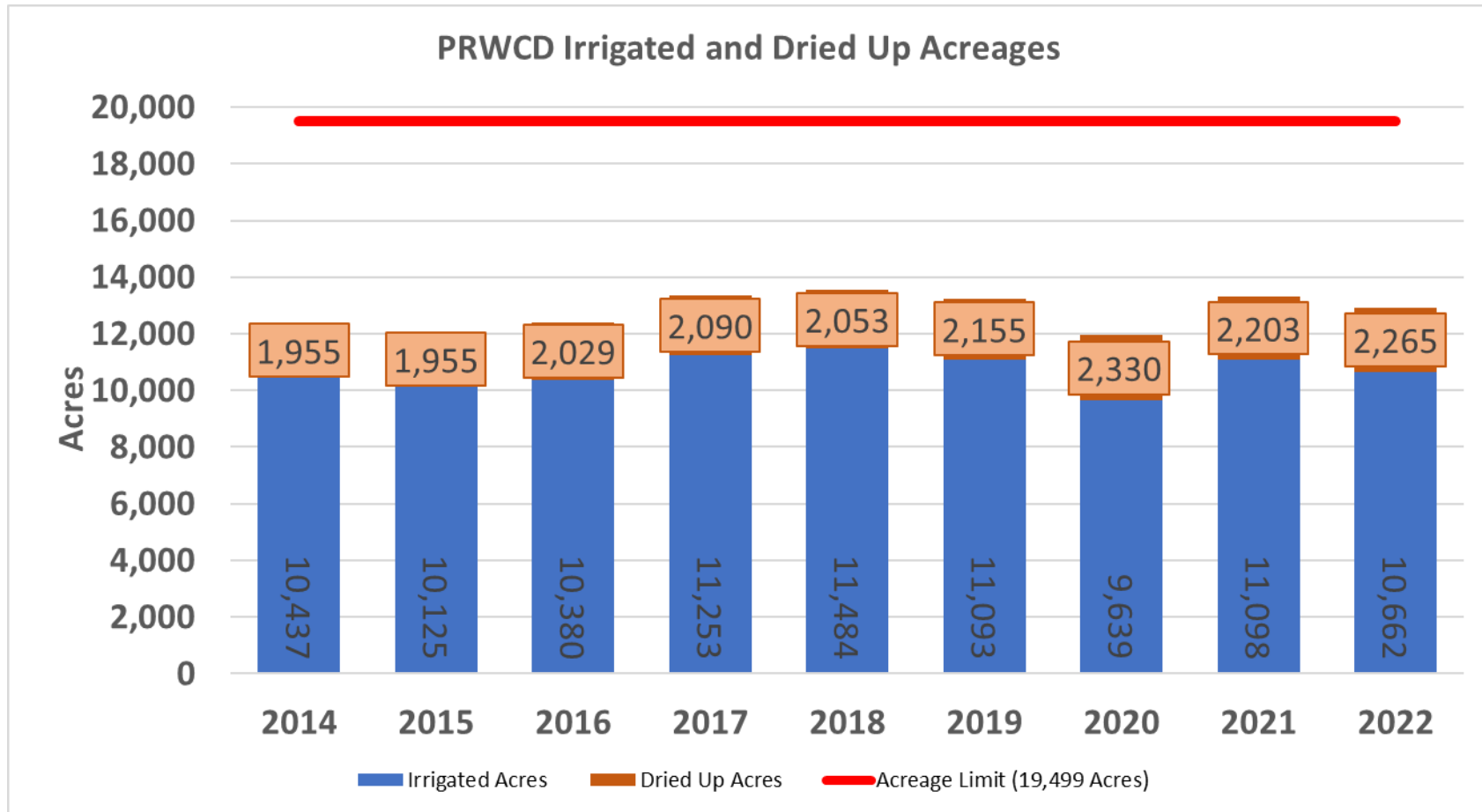


Purgatoire River @ Trinidad flows = 36,391 acre-feet, 77% of average.

Purgatoire River @ Thatcher flows = 20,253 acre-feet, 66% of average.

Relatively minor amounts of water were administratively required to be by-passed to downstream water rights in 2023.

Irrigated Acreage Survey Results for 2022

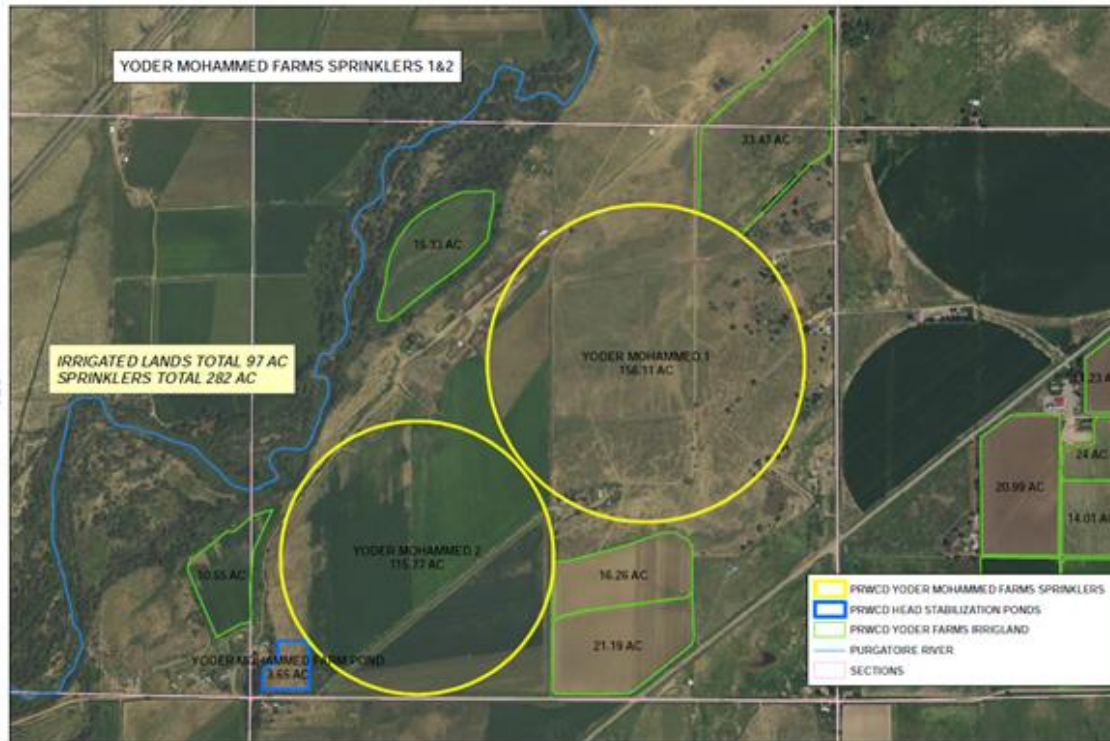


Total irrigated and dried up acreage for 2022 was 12,927 acres. A total of 19,499 acres are allowed to be irrigated by the Trinidad Project pursuant to the Operating Principles.

Survey work by the District and the Water Commissioners was conducted in August and September this year. Results from the Division Engineers Office are anticipated by this coming February 2024.

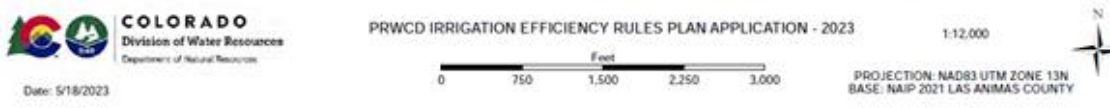
PRWCD Irrigation Improvement Rules Plan

The State Engineer's Office approved the PRWCD's proposed Irrigation Improvement Rules Plan to allow for use of 26 sprinkler systems to operate for the 2023 Irrigation Season



2023	26 Sprinklers, 2,718 acre-feet of diversions
2022	24 Sprinklers, 1,883 acre-feet of diversions
2021	22 Sprinklers, 2,050 acre-feet of diversions
2020	18 Sprinklers, 960 acre-feet of diversions
2019	16 Sprinklers, 1,652 acre-feet of diversions

A total of **247 acre-feet of replacement waters** have and will be supplied back to the Purgatoire River from ditch return flow structures, reusable return flows or from releases of waters directly from Trinidad Reservoir as a result of 2023 sprinkler system diversions.



PRWCD Ditch Headgate Improvement Project



Model Canal – New headgate installation – March 2023

PRWCD Ditch Headgate Improvement Project (continued)



Hoehne Ditch – New headgate installation – March 2023

PRWCD Ditch Headgate Improvement Project (continued)

Future Plans:

- Plan to install new headgates on the Picketwire/Baca Ditch (2 gates) and the John Flood Ditch (1 gate) during 2024. Gates have been funded by USBR, CWCB, PRWCD, SPPRCD and the ditch companies. The gates have been ordered.
- Chilili Ditch diversion dam and new automatic headgate. Project in planning stages, may involve a municipal component. Will complete PRWCD automatic headgate project goals.

Picketwire/Baca Ditch Diversion Works Project (Purgatoire Watershed Partnership)



Picketwire/Baca Ditch Diversion Dam area Prior to Project (2021).

Picketwire/Baca Ditch Diversion Works Project (continued)



Picketwire/Baca Ditch Diversion Dam area with “Island” removed (March 2022). Dam still in deteriorated condition.

Picketwire/Baca Ditch Diversion Works Project (continued)



Picketwire/Baca Ditch Diversion Dam area with Dam Reconstructed (March 2023).

Picketwire/Baca Ditch Diversion Works Project (continued)



Picketwire/Baca Ditch Diversion Dam area with Dam Reconstructed (April 2023).

Picketwire/Baca Ditch Diversion Works Project (continued)

Future Plans:

- Ditch concrete lining from headgate area to past newly constructed hotel area. Project in funding and design phase.



- Installation of diversion dam fish passage component.
- Installation of two new automatic headgates for ditch as mentioned above (2024).

Purgatoire River Sediment Removal (City of Trinidad)



Commercial Street Bridge Area Sediment Removal (May 2023).

Purgatoire River Sediment Removal (continued)



Commercial Street Bridge. Looking Upstream, before (April) and during (May 29, 2023) photos.