

South Central Water Conference

2024 Producer Update and Basin Outlook

LOWER REPUBLICAN NRD

Furnas Co.

Harlan Co.

Franklin Co.

Webster Co.

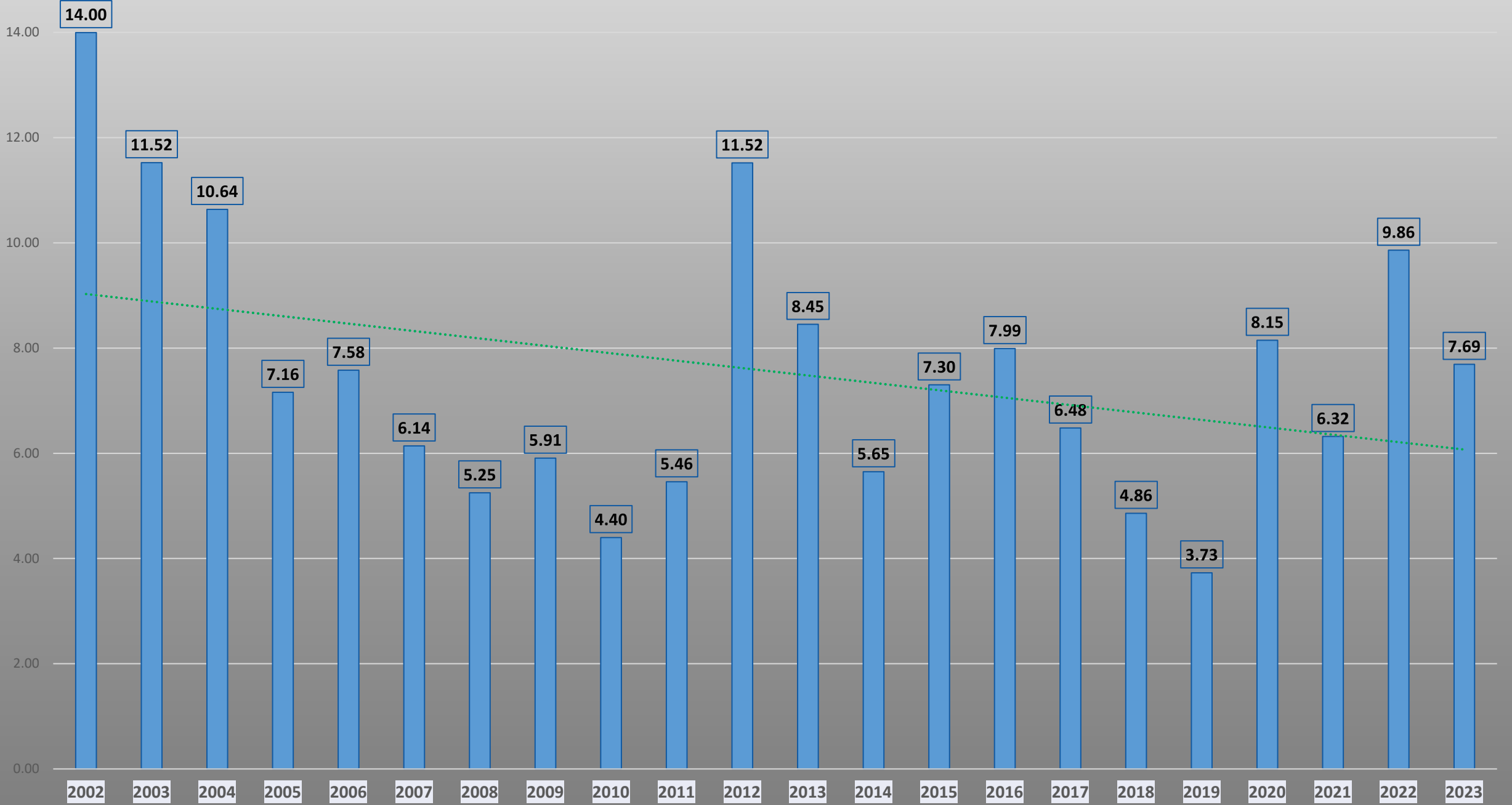


Lower Republican NRD

LRNRD: DISTRICTWIDE WATER USAGE 2003 - 2022

2003 = 13.03 inches per acre	2014 = 5.65 inches per acre
2004 = 11.24 inches per acre	2015 = 7.30 inches per acre
2005 = 7.17 inches per acre	2016 = 7.99 inches per acre
2006 = 7.58 inches per acre	2017 = 6.46 inches per acre
2007 = 6.11 inches per acre	2018 = 4.86 inches per acre
2008 = 5.25 inches per acre	2019 = 3.73 inches per acre
2009 = 5.92 inches per acre	2020 = 8.15 inches per acre
2010 = 4.44 inches per acre	2021 = 6.32 inches per acre
2011 = 5.46 inches per acre	2022 = 9.86 inches per acre
2012 = 11.52 inches per acre	2023 = 7.69 inches per acre
2013 = 8.45 inches per acre	

LRNRD District GW Pumping 2002-2023



Lower Republican NRD

Allocations for groundwater irrigation, 2023-2027

Total Allocation	45 Inches/Acre/5 Years
Annual or Base Allocation	9 Inches/Acre/Year
Maximum Annual Use	45 Inches/Acre (13 Inches/Acre in a Compact Call Year)
Carry over amount that can be used in the following allocation period	9 Inches/Acre (Max)
Hard Cap	13 Inches/Acre/Year (in a Compact Call Year)
Pooling allowed?	Yes
How are the allocations affected by surface water use?	Allocations are not affected by surface water use. Irrigators may use their full groundwater allocation, regardless of any surface water use.

Current and Future Projects

NCORPE Augmentation Project

Weather Stations for Rubicon Gates on Irrigation District Canals

Rural Water District

Platte-to-Republican Diversion Project

WFPO – Thompson and West Turkey Creek

Flag Creek Augmentation Project

WaterSMART grant for Telemetry Equipped Flowmeters

Longitude 103 Database and Nitrogen Dashboard





PARTNERSHIPS

- **USDA-NRCS**
- **NARD**
- **NACD**
- **DEPT OF NATURAL RESOURCES**
- **US ARMY CORPS OF ENGINEERS**
- **US BUREAU OF RECLAMATION**
- **TRAILBLAZER RC&D**
- **TWIN VALLEY WMA**
- **SOUTHWEST WMA**
- **FRENCHMAN-CAMBRIDGE ID**
- **NEBRASKA BOSTWICK ID**
- **NE WATER RESOURCES ASSOCIATION**
- **DISTRICT SCHOOLS & FFA PROGRAMS**
- **PRD**
- **CENTRAL NE PP&ID**
- **COUNTY GOVERNMENTS**
- **MUNICIPALITIES**
- **USDA-FOREST SERVICE**
- **NE-FOREST SERVICE**
- **NCORPE**
- **NDEE (formerly NDEQ)**
- **UNIVERSITY OF NEBRASKA**
- **USGS**
- **NEBRASKA GAME & PARKS**
- **REPUBLICAN RIVER COMPACT – KS & CO**
- **SUPERIOR HARDY SPA – Little Blue**
- **NEBRASKA ENVIRONMENTAL TRUST**

