

Overview of the Arkansas River Basin 2018

Arkansas Basin Roundtable Meeting
February 14, 2018
Bill Tyner, Assistant Division Engineer
Division Engineer's Office



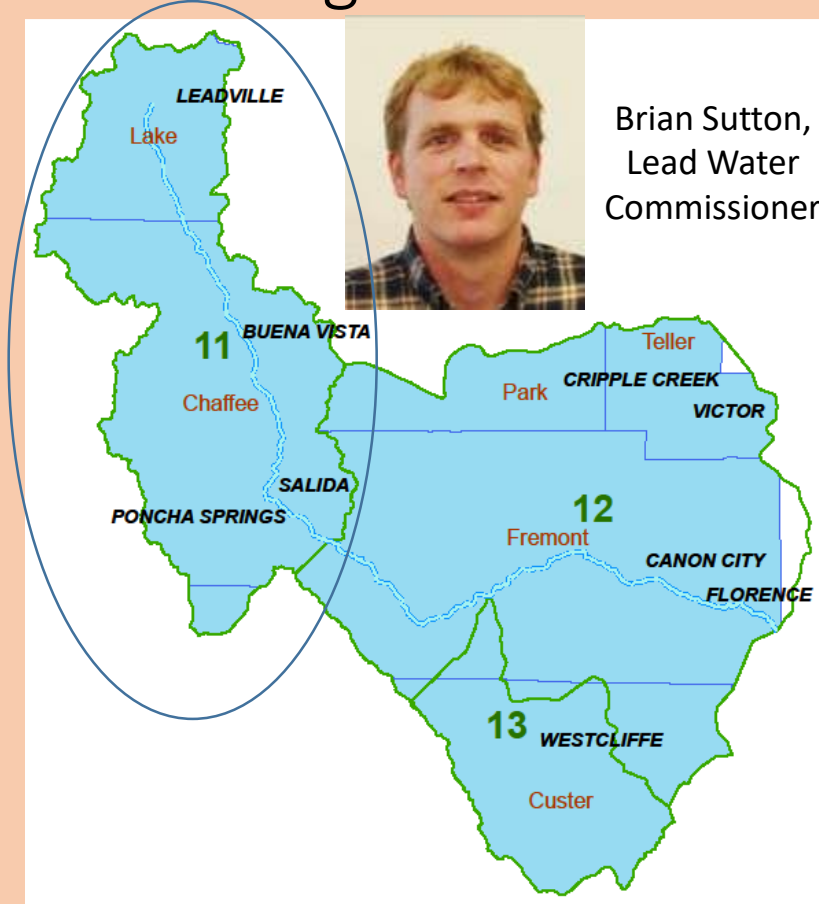
COLORADO
Division of Water Resources
Department of Natural Resources

Topics for This Meeting

- Overview of West Region
- Overview of North Region
- Overview of South Region
- Overview of East Region



West Region – Water Districts 11, 12 and 13



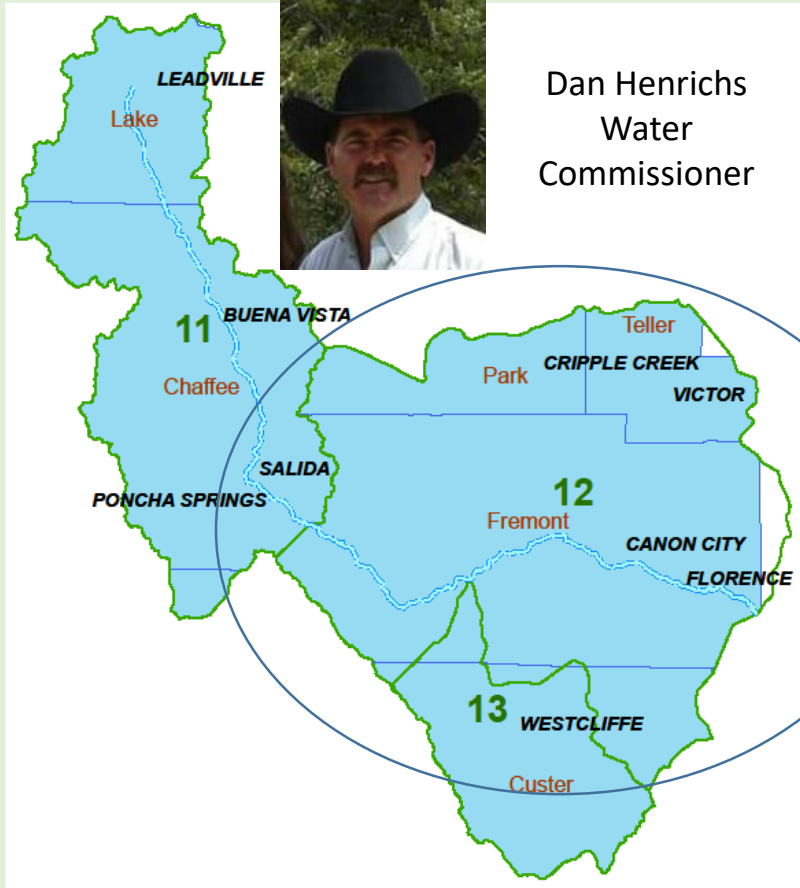
• Key Features Water District 11

- Inflow Area for all but two Transmountain Import Structures
- Home of the Fryingpan-Arkansas Upper Reservoirs (Twin Lakes – Turquoise)
- Otero Pump Station/Homestake Pipeline (Colorado Springs-Aurora Municipal)

• Native Water Rights Water District 11

- Twin Lakes Reservoir – 141,000 AF Capacity
- Clear Creek Reservoir – 11,500 AF Capacity
- Salida Ditch (Irrigation – 6,170 AF/YR)
- Williams & Hamm Ditch (Irrigation - 5,350 AF/YR)
- Municipal Rights for Leadville, Buena Vista, Salida and Poncha Springs

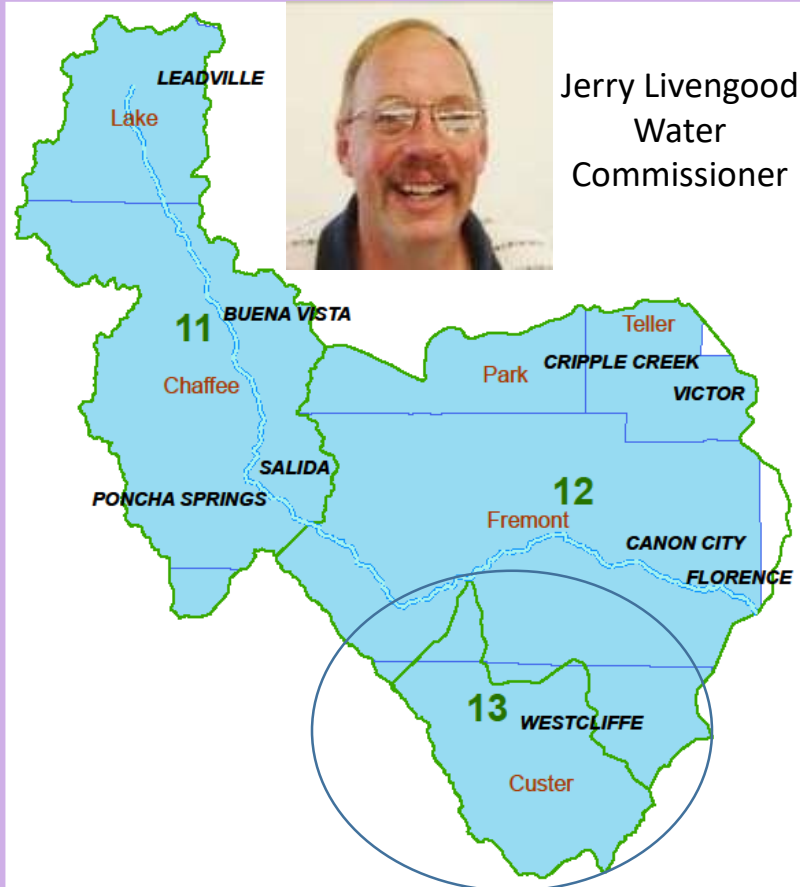
West Region – Water Districts 11, 12 and 13



Dan Henrichs
Water
Commissioner

- Key Native Water Rights District 12
 - Brush Hollow Reservoir (Abs rights 4,200 AF)
 - Mt Pisgah Reservoir (Abs rights 2,740 AF)
 - Minnequa Canal (Industrial – 58,850 AF/YR)
 - Canon City Hydraulic (Irrigation/Municipal – 30,375 AF/YR)
 - South Canon Ditch (Irrigation/Domestic – 16,480 AF/YR)
 - Municipal rights for Canon City, Florence, Cripple Creek and Victor

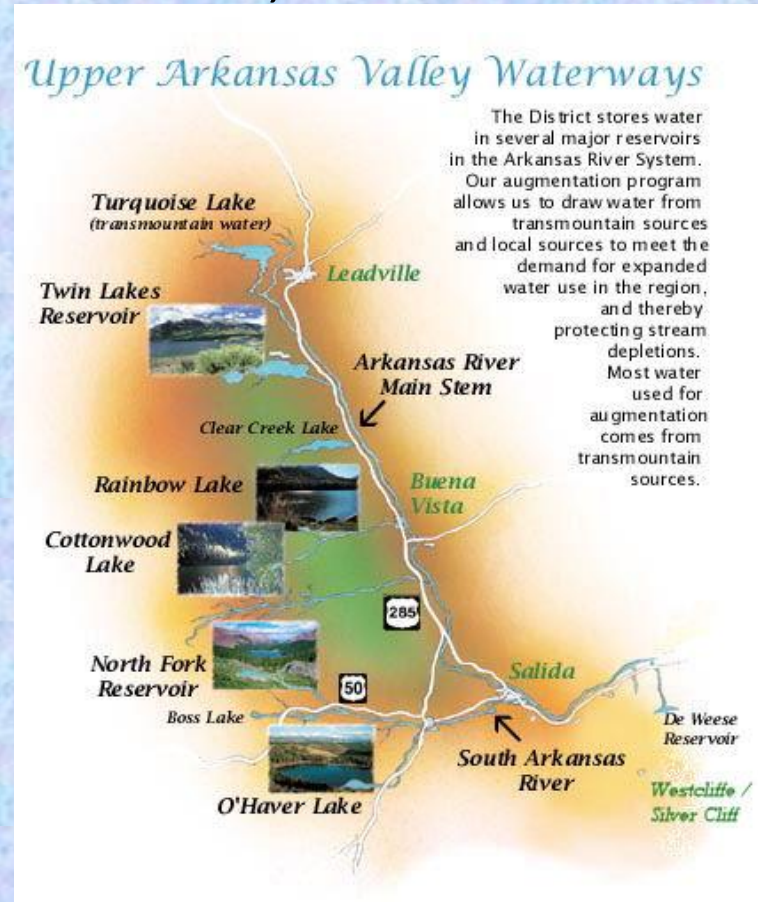
West Region – Water Districts 11, 12 and 13



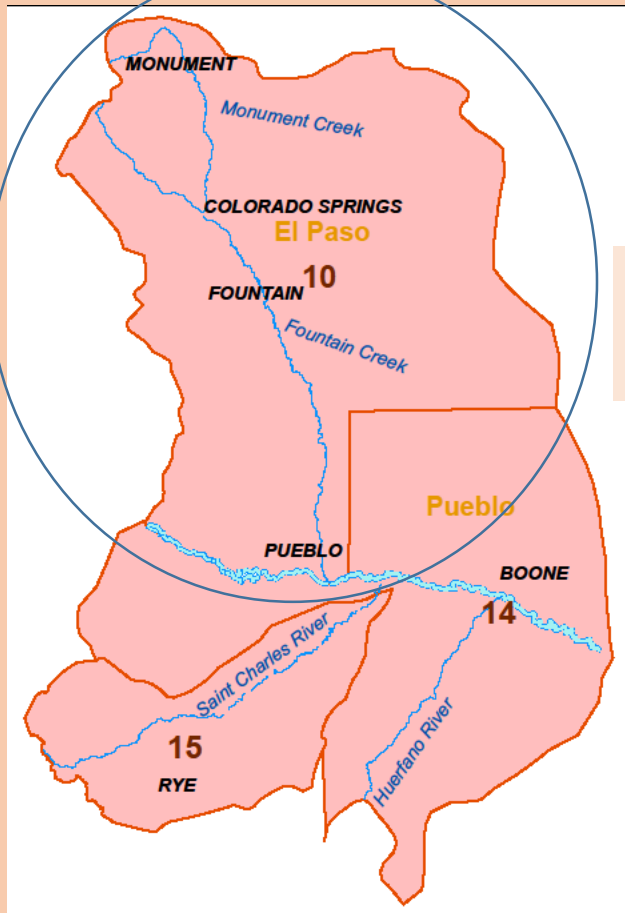
- Key Native Water Rights District 13
 - DeWeese Dye Reservoir (Abs rights 4,200 AF)
 - Ula Ditch, Taylor Creek (Irrigation – 1,355 AF/YR)
 - Smith Ditch, Taylor Creek (Irrigation – 1,320 AF/YR)
 - Municipal Supply for Westcliffe/Silver Cliff from Round Mountain Water and Sanitation District
 - Some municipal dryup for Widefield and Fountain

West Region – Water Districts 11, 12 and 13

- Upper Ark Water Conservancy District
- Blanket Plan for Augmentation the provides replacement water for over 1,400 wells and for other structures including ponds.
 - Annual plans to serve variable water needs
 - Serves areas in multiple counties and on multiple tributary streams and along the Arkansas mainstem
 - Utilizes key reservoirs for plan operation as depicted in their website map
 - Replaced over 500 AF of depletions in 2017
- Additionally there are over 250 other augmentation plans in WD's 11, 12 and 13



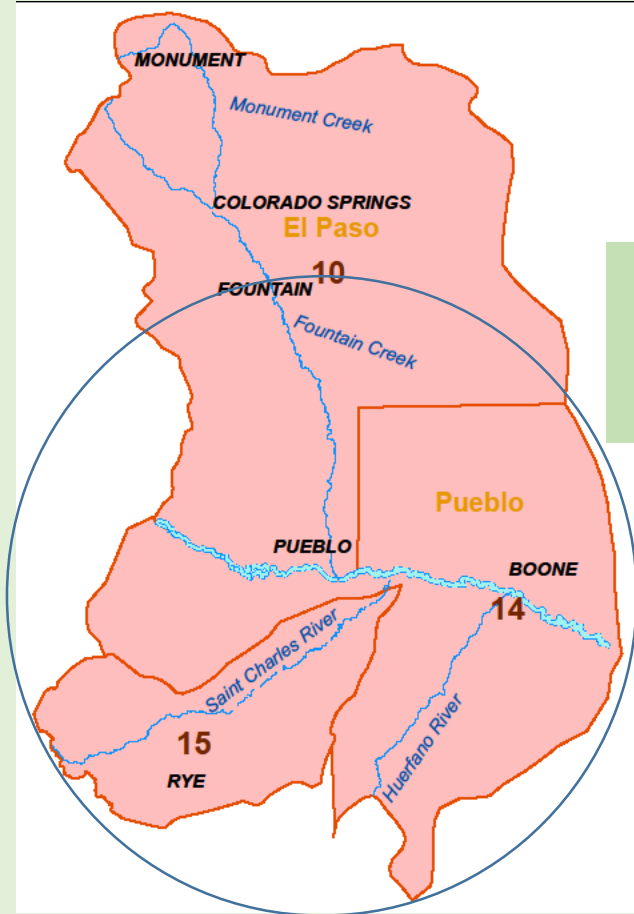
North Region – Water Districts 10, 14 and 15



Doug Hollister,
Lead Water
Commissioner

- Key Features Water District 10
 - City of Colorado Springs Municipal System
 - North/South Slope Pikes Peak Systems
 - Fountain Valley Pipeline/Southern Delivery System Pipeline
 - 167 Active Augmentation Plans
- Native Water Rights Water District 10
 - Denver Basin/Designated Basin Wells
 - North Catamount Reservoir (Municipal - 13,600 AF)
 - Fountain Valley Res. No.2 [Big Johnson] (Mixed Uses – 5,100 AF)
 - Fountain Mutual Irrigation Ditch (Mixed Uses – 7,770 AF/YR)
 - Chilcotte Ditch (Mixed Uses – 6,830 AF/YR)
 - 152 High Capacity Wells in Rule 14 Plans approved to pump up to 4,340 AF

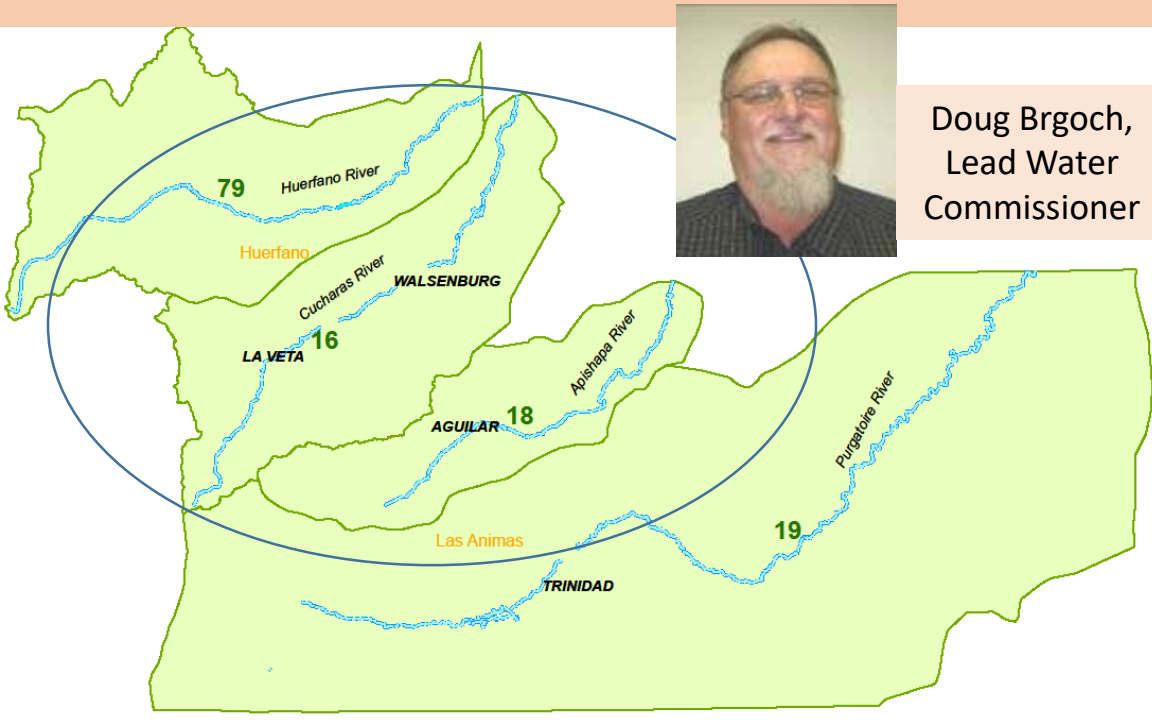
North Region – Water Districts 10, 14 and 15



Steve Stratman
Water
Commissioner
14/15

- Key Features Water Districts 14/15
 - Southeastern Colorado Water Conservancy District Office (Pueblo)
 - Pueblo Reservoir (Terminal Storage for Fry-Ark Project – 245,373 AF active/93,000 AF Joint Use)
 - St. Charles Reservoirs #2/#3 (Industrial – 9,000 AF)
 - Lake Isabel (Recreational – 970 AF)
 - Pueblo Water's Main Dam Outlet (Municipal – 28,880 AF/YR)
 - Comanche Power Plant Diversion (Industrial – 13,610 AF/YR)
- Native Water Rights Water Districts 14/15
 - 16 Active Augmentation Plans
 - Bessemer Ditch (Irrigation/Municipal – 66,875 AF/YR total)
 - Welton Ditch (Irrigation – 3,380 AF/YR)
 - St. Charles Flood Ditch (Industrial – 4,075 AF/YR)
 - Dotson Ditch No. 1 (Irrigation – 3,050 AF/YR)
 - 480 High Capacity Wells in Rule 14 Plans approved to pump up to 17,540 AF in 2017

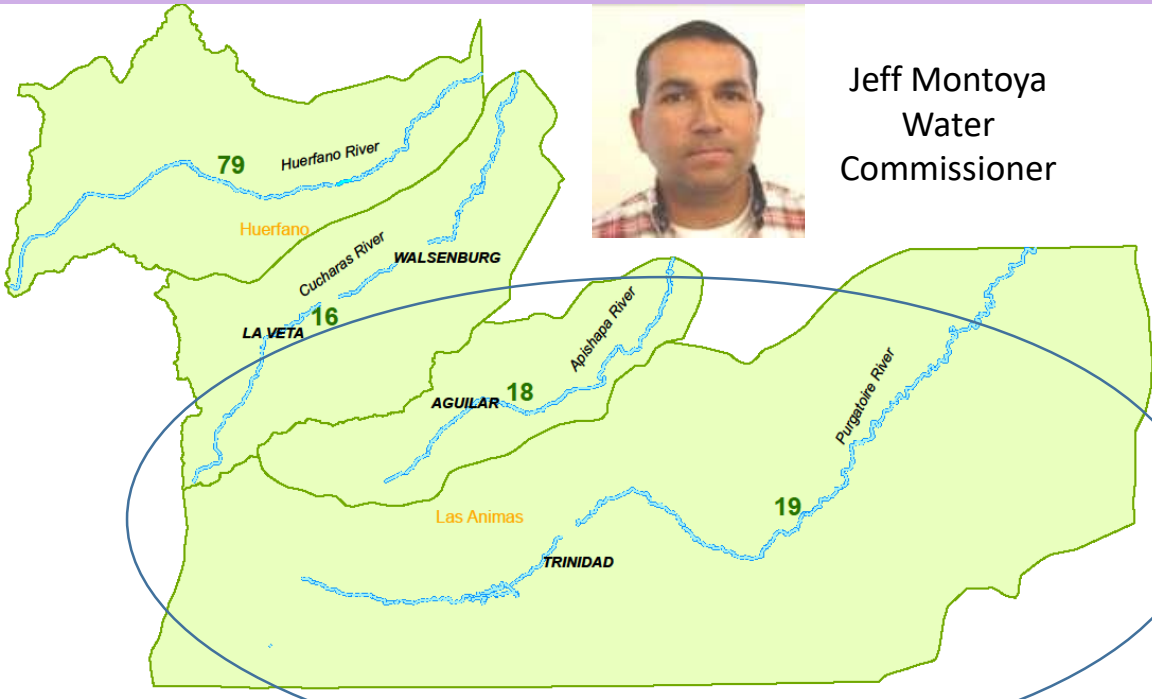
South Region – Water Districts 16, 18, 19 and 79



Doug Brgoch,
Lead Water
Commissioner

- Key Features Water Districts 16/18
 - Cucharas River (16) Apishapa River (18)
 - Municipal supplies for Walsenburg, La Veta, Cucharas W & S, Town of Aguilar
 - Cucharas Valley Reservoir (Irrigation – Abs water right of 32,000 AF; currently under dam breach order)
 - Maria Stevens Reservoir (Mixed – Net abs water rights 1,580 AF)
 - Walsenburg Pipeline (Municipal – 2,900 AF/YR)
 - Duran Ditch (Irrigation – 1,175 AF/YR)
 - Gonzales Ditch (Mixed – 2,200 AF/YR)
 - Lucero Ditch (Irrigation – 1,335 AF/YR)

South Region – Water Districts 16, 18, 19 and 79



Jeff Montoya
Water
Commissioner

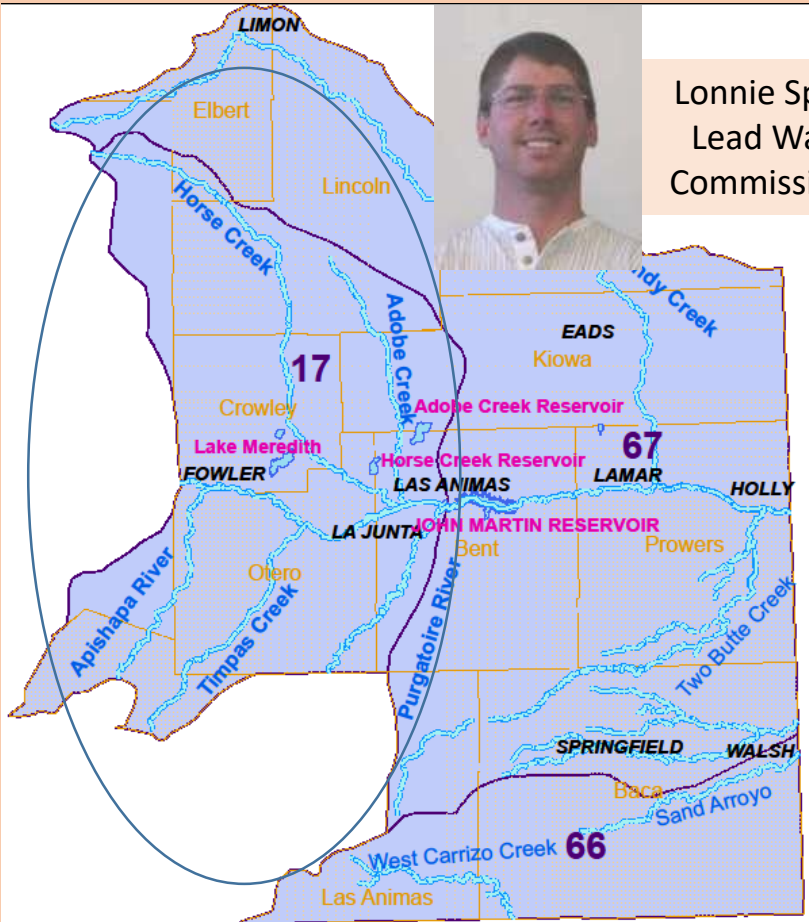
- Key Features Water District 19
 - Trinidad Reservoir (53,000 Irrigation/Sedimentation, 51,000 AF Flood Control, 16,000 AF Recreation)
 - Purgatoire River Water Conservancy District Trinidad Project Office
- Native Water Rights Water District 19
 - North Lake (Municipal 4,155 AF Abs water right)
 - Monument Lake (Municipal 1,430 AF Abs water right)
 - Enlarged Southside (Irrigation/Stock - 13,300 AF/YR)
 - Johns Flood Ditch (Mixed – 4,340 AF/YR)
 - North Lake Inlet (Municipal – 3,200 AF/YR)

South Region – Water Districts 16, 18, 19 and 79



- Key Features of Water District 79 Huerfano River
 - Only other Water District in Division 2 with Transmountain Diversions (Hudson Ditch and Medano Ditch from Division 3)
 - Huerfano County Water Conservancy District Augmentation Plan
- Native Water Rights in Water District 79
 - Orlando Reservoir No. 2 (Irrigation – 3,117 AF Abs water rights)
 - Garcia Ditch No. 1 (Irrigation – 2,020 AF/YR)
 - Martin Ditch (Irrigation – 1,020 AF/YR)

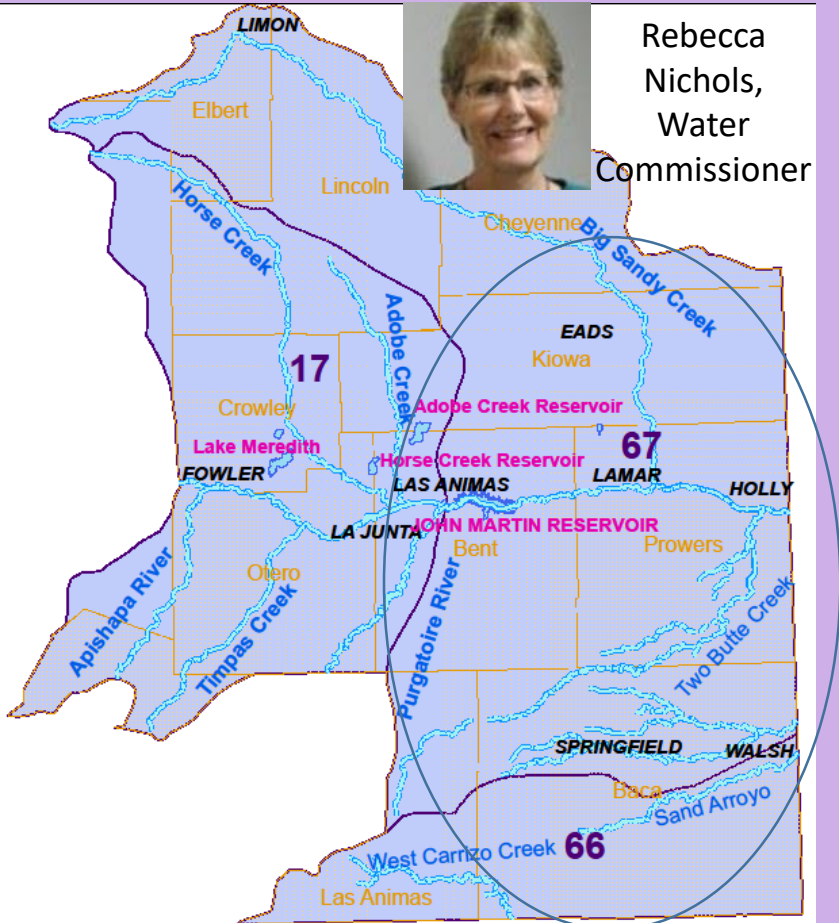
East Region – Water Districts 17, 66 & 67



Lonnie Spady,
Lead Water
Commissioner

- Key Features Water District 17
 - Lower Arkansas Valley Water Conservancy District Office (Rocky Ford)
- Key Native Water Rights
 - Adobe Reservoir (Irrigation – 87,000 AF Abs water right)
 - Fort Lyon Canal (Irrigation/Mixed/Storage – 199,350 AF/YR Total Diversions; 157,380 AF/YR Native Irrigation Diversions)
 - Catlin Canal (Irrigation/Mixed – 94,900 AF/YR Total Diversions; 78,600 AF/YR Native Irrigation Diversions)
 - 550 High Capacity Wells in Rule 14 Plans approved to pump up to 38,110 AF in 2017

East Region – Water Districts 17, 66 & 67



• Key Features Water District 66/67

- John Martin Reservoir (331,000 AF Irrigation, 15,000 AF Recreation, 269,000 AF Flood Control)
- Designated Basin Wells (Northern High Plains/Southern High Plains)

• Native Water Rights WD's 66/67

- Two Buttes Reservoir (Irrigation/Rec – 40,000 AF water right)
- Nee Gronda Reservoir (Irrigation – 98,660 AF water right)
- Neenoshe Reservoir (Irrigation – 94,840 AF water right)
- Amity Canal (Irrigation/Industrial – 92,465 AF/YR diversion)
- Lamar Canal (Mixed – 42,800 AF/YR diversion)
- 550 High Capacity Wells in Rule 14 Plans approved to pump up to 73,000 AF in 2017

Ground Water Administration Division 2

- Water Commissioners



Dan DiRezza
Lead Water (Well)
Commissioner
(East and South)



Dale Baker
Lead Water (Well)
Commissioner
(West and North)

- Office Support



Charlie DiDomenico
Augmentation
Coordinator



Bethany Arnold
Water Resources
Engineer

River/Reservoir Operations



CO **DNR**

Arkansas Basin Water Operations Dashboard

Colorado Division 2 Administrative Decision Support Tools

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Welcome to the Arkansas Basin Operational Tools Web Site

Please **log in** to place a request for an exchange or reservoir release. Contact the Division 2 office to create an account.



- Office Support



John Van Oort
River/Reservoir
Operations Leader



Phil Reynolds
Reservoir
Operations
Specialist

Litigation Support

- Water Court Processes
 - Resume Review
 - Consultation Reports
 - Statements of Opposition
 - Expert Witness Reports
 - Testimony
- Decreed Plans for Augmentation

- Office Support



Rachel Zancanella
Assistant Division
Engineer



Janet Dash
Technical Analyst



Audrey Sartin
Decreed Plan
Augmentation
Coordinator

Hydrographic Support

- Maintain Stream Gage Network
- Assist Water Users with Administrative Measurements
- Prepare Water Measurement Records

- Hydro Team



Joey Talbott
Lead Hydrographer



Lori Lest
Hydrographic
Engineer



Anthony Gutierrez
Hydrographer



Cheston Hart
Hydrographer