

GRAD529

South Platte River Basin Water Administration



Colorado Division of Water Resources
Corey DeAngelis Division One Engineer

Division of Water Resources

Who are we?

Department of Natural Resources - Divisions

Click on any Image to Learn More

[Avalanche Info](#)



[Forestry](#)



[Mining](#)



[Energy & Carbon](#)



[Parks & Wildlife](#)



[State Trust Lands](#)



[Water Conservation](#)



[Water Resources](#)



- ***Water Resources***
- Parks & Wildlife
- Energy & Carbon Management Commission
- Avalanche Information Center

- Water Conservation Board
- Reclamation, Mining and Safety
- State Land Board
- Forestry

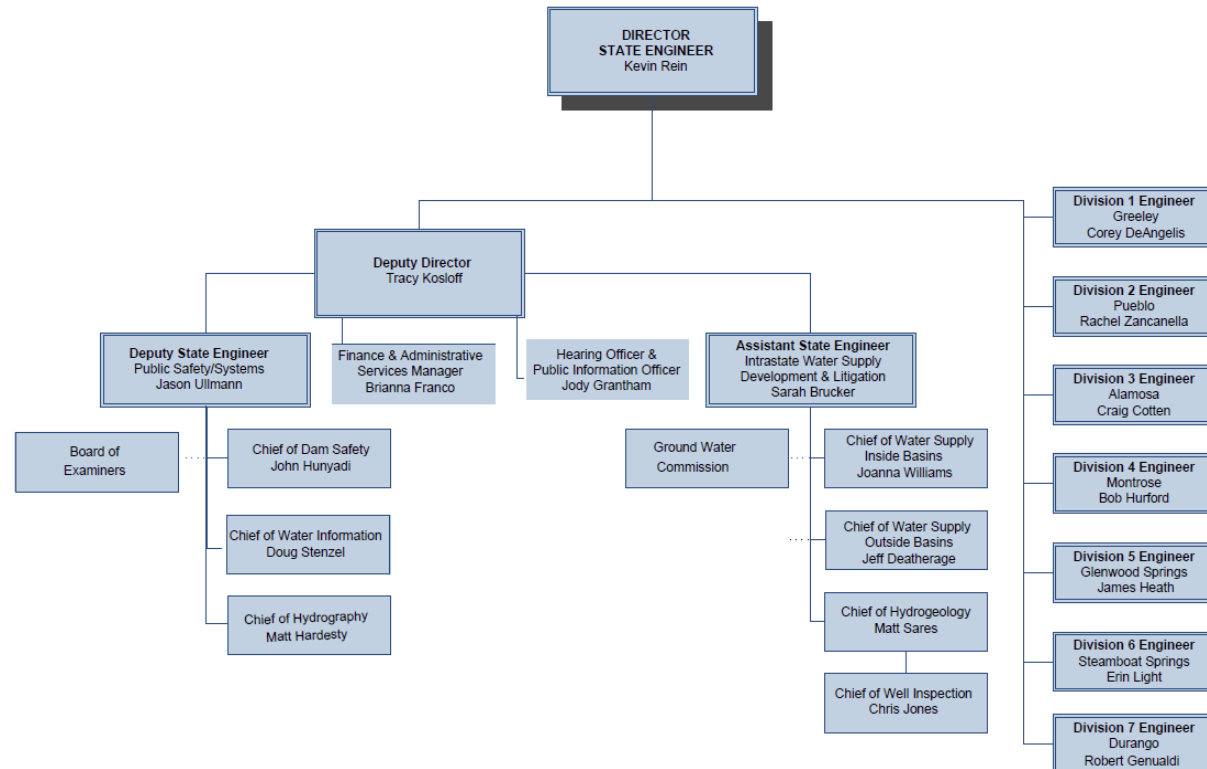
Division of Water Resources

Mission:

The Division of Water Resources will administer the waters of the State to maximize lawful beneficial use, ensure that dams and water wells are properly constructed and safe, and provide information about water resources to the public.



COLORADO DIVISION OF WATER RESOURCES ORGANIZATIONAL CHART



Division of Water Resources Responsibilities

- Water Administration (**surface** & ground water)
- Public Safety (Dams and wells)
- Ground Water Well Permitting
- Interstate Compacts
- Hydrographic Program
- Public Information Services
- Special Studies

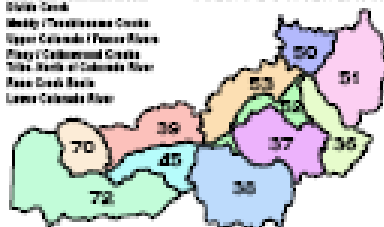
COLORADO BASINS

Colorado Map with 14 sub-basins
Individual Divisions with 14 sub-basins

State/ Sub-basin

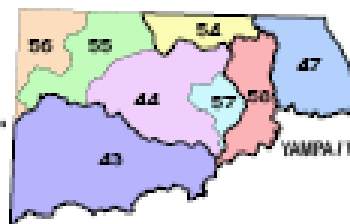
- 34 Rio River Basin
- 37 Big Horn Basin
- 38 Harding Park River Basin
- 39 Arbo/Elk/Neosho Creeks
- 40 Little Creek
- 41 Muddy /Theriot/Stone Creeks
- 42 Upper Colorado /Poudre Rivers
- 43 Flory /Cottonwood Creeks
- 44 Teller South of Colorado River
- 45 Head Creek Basin
- 46 Lower Colorado River

COLORADO RIVER BASIN



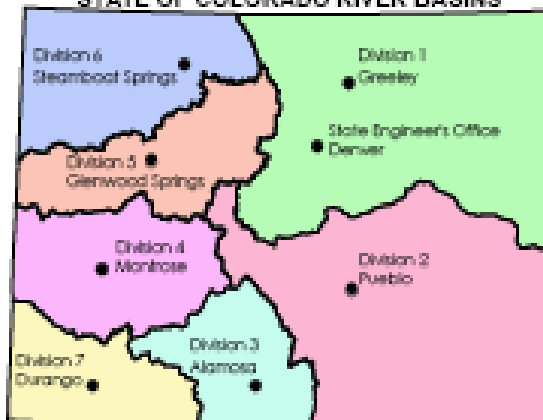
State/ Sub-basin

- 47 Wild Horse Basin
- 48 Lower Yampa River
- 49 North Platte River Basin
- 50 Stone /Theriot Creeks
- 51 Little Snake River
- 52 Snake River Basin
- 53 Middle Yampa River
- 54 Upper Yampa River

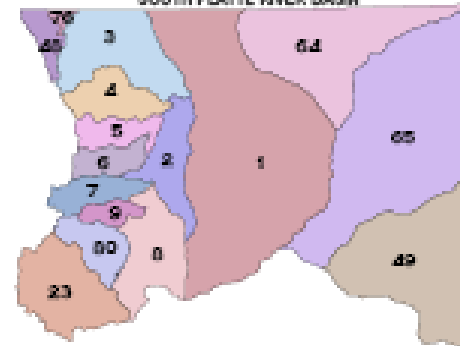


YAMPA / WHITE RIVER BASIN

STATE OF COLORADO RIVER BASINS



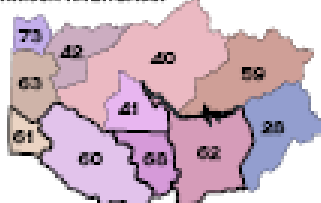
SOUTH PLATTE RIVER BASIN



State/ Sub-basin

- | | |
|---|--------------------------------------|
| 1 South Platte - Greeley to Golden | 8 Bear Creek |
| 2 South Platte - Denver to Golden | 9 Upper North Platte |
| 3 South Platte - Golden to Fort Collins | 10 Lower North Platte |
| 4 Big Thompson River | 11 Agulita River |
| 5 St. Vrain Creek | 12 South Platte - Golden to Sheridan |
| 6 Snake Creek | 13 Arkansas River |
| 7 Clear Creek | 14 Head Creek |
| 8 South Platte - Cheeseman to Denver-Sage | 15 South Park of South Platte |

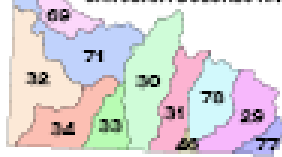
GUNNISON RIVER BASIN



State/ Sub-basin

- 46 Treadwell Creek
- 47 North Park /Teller
- 48 Lower Gunnison River
- 49 Lower Gunnison River
- 50 West River Basin
- 51 Box Elder River Basin
- 52 Poudre Creek
- 53 Upper Gunnison River
- 54 Salween River Basin
- 55 Upper Gunnison River
- 56 Little Salween River

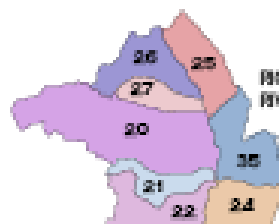
SAN JUAN / DOLORES RIVER BASIN



State/ Sub-basin

- 63 San Juan River Basin
- 64 Antero River Basin
- 65 Los Pinos River Basin
- 66 McPhee Creek Basin
- 67 La Plata River Basin
- 68 Mexican River Basin
- 69 Hondo Reservoir
- 70 Hightop/Stratton Creek Basin
- 71 West Salween Creek /Teller
- 72 Hondo River Basin
- 73 Platte River Basin

NO GRANDE RIVER BASIN



State/ Sub-basin

- 70 No Grande
- 71 Alamosa La Jara
- 72 Canon River
- 73 Cedeno Creek
- 74 San Luis Creek
- 75 Agulita Creek
- 76 Canon Creek
- 77 Treadwell Creek

ARKANSAS RIVER BASIN



State/ Sub-basin

- | | |
|--------------------------------------|--|
| 21 Poudre Creek | 12 Arkansas - Fort Collins to Las Animas |
| 22 Arkansas - Steamboat to Delta | 13 Agulita River |
| 23 Arkansas - Delta to Fort Collins | 14 Purgatoire River |
| 24 West Snake Valley | 15 Arkansas River Basin |
| 25 Arkansas - Fort Collins to Pueblo | 16 Arkansas - Las Animas to Sheridan |
| 26 Sand Creek | 17 Head Creek |
| 27 Arkansas River | |

Map of Colorado
Department of Natural Resources
Division of Water Resources
Colorado Water Plan
2012-2015
March 14, 2012



Water Administration



**South Platte River at Kersey
(Photo by Jason Smith)**

Historic Basis for Water Administration

Surface water administration:

- Territorial Law
- State Constitution
- Adjudication act of 1879, Water Commissioners,
- Adjudication Act of 1881, Office of the State Hydraulic Engineer
- 1887, Superintendent of Irrigation

Beginning in 1887, the fundamental structure for water administration is already in place

Primary Focus of that Water Administration

Constitution, Article XVI, Section 5 and Section 6

- “The water of every natural stream...is hereby declared to be the property of the public...subject to appropriation as hereinafter provided.”
- “Priority of appropriation shall give the better right as between those using the water for the same purpose...”

DIRECTED BY STATUTE:

- Section §37-92-501(1), C.R.S.
 - “The state engineer and the division engineer shall administer, distribute, and regulate the waters of the state in accordance with the constitution of the state of Colorado...”
- Section §37-92-102, C.R.S.
 - “...in accordance with” the prior appropriation doctrine.”
 - “...maximize the beneficial use of all the waters of this state...”

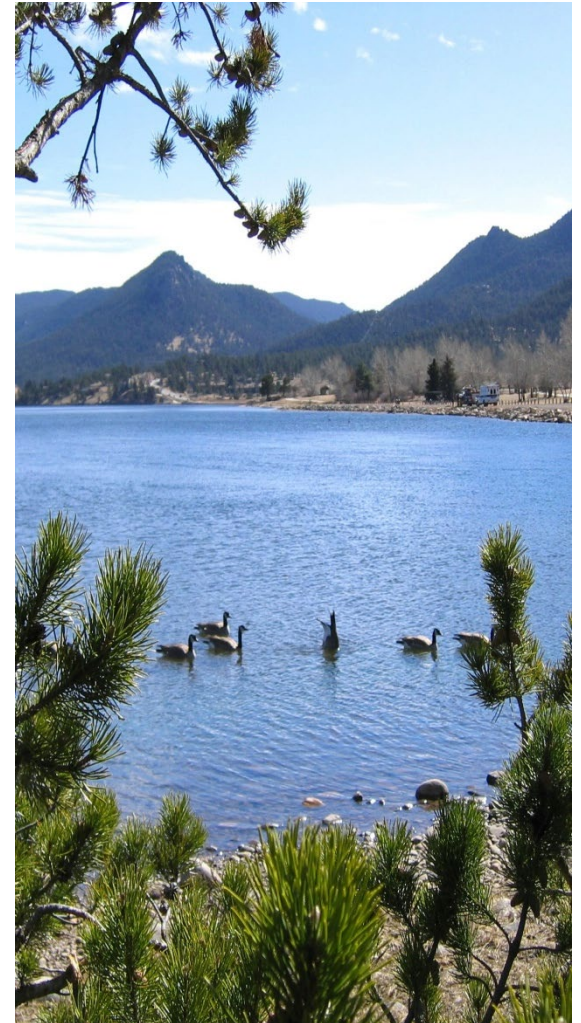
Colorado's Water Administration System

The Prior Appropriation Doctrine means those that put the water to use first are entitled to get their water first during periods of water shortage.

“First-in-time, first-in-right”

State Water Officials (DWR) Directed by:

- The Constitution of the state of Colorado
- Statute (Title 37, “Water & Irrigation”)
- Water Court Decrees
- Rulings of the Supreme Court
- Compacts (Interstate)

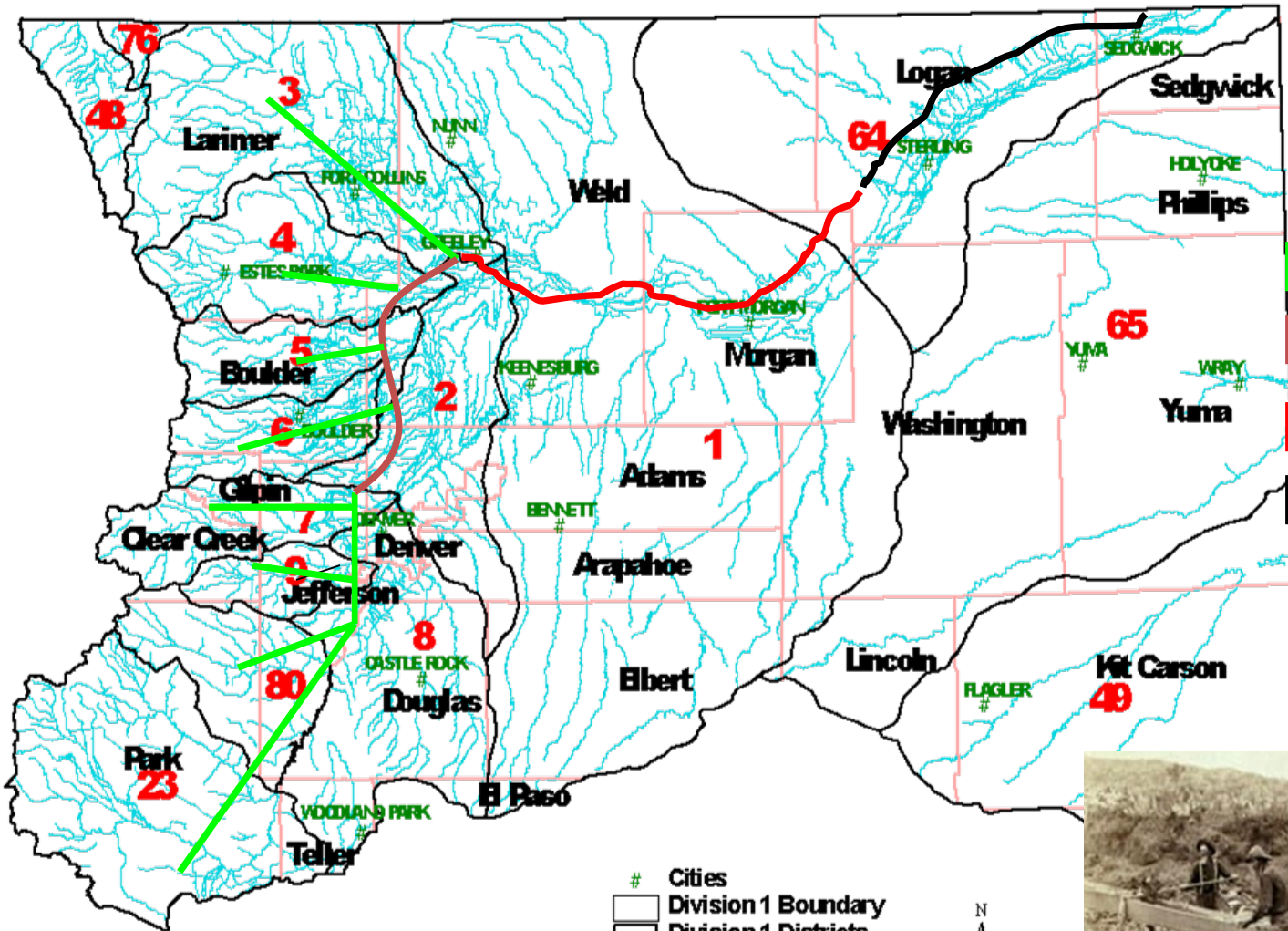


Brief History

- Surface water/ground water
 - In 1969, the Colorado General Assembly enacted the Water Right Determination and Administration Act (“1969 Act”),
 - Reinforced recognition of the connection between ground water and surface water,
 - Integrated ground water into the priority system - introduced the concept of plans for augmentation.

Division 1

South Platte River Basin



Priority Dates Of Controlling Water Rights – Late Summer

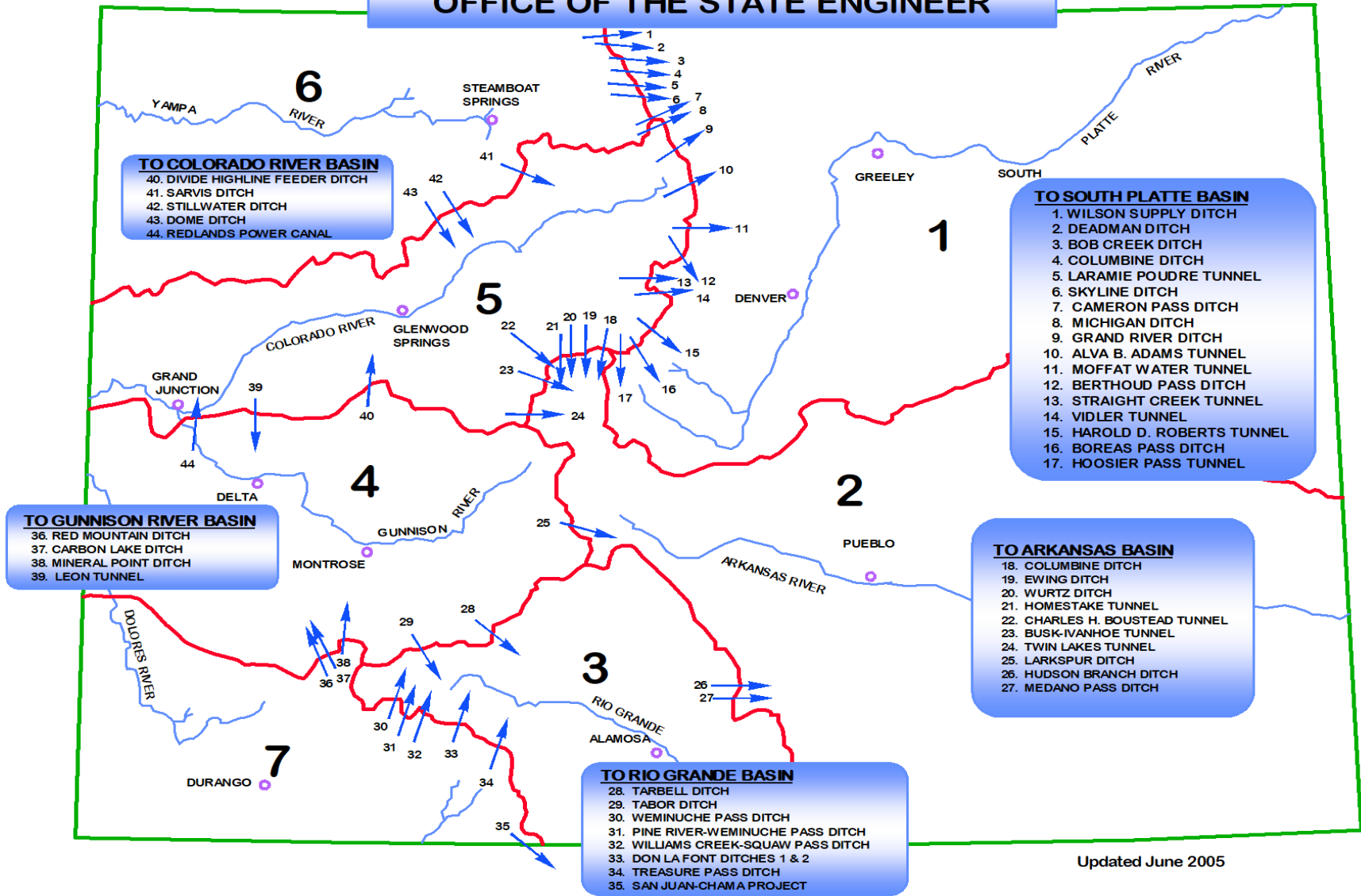
- Early 1860's
- Late 1860's To Early 1870's
- Early 1880's
- Late 1880's To Mid-1890's



Mining Diversions

TRANSMOUNTAIN DIVERSIONS

OFFICE OF THE STATE ENGINEER

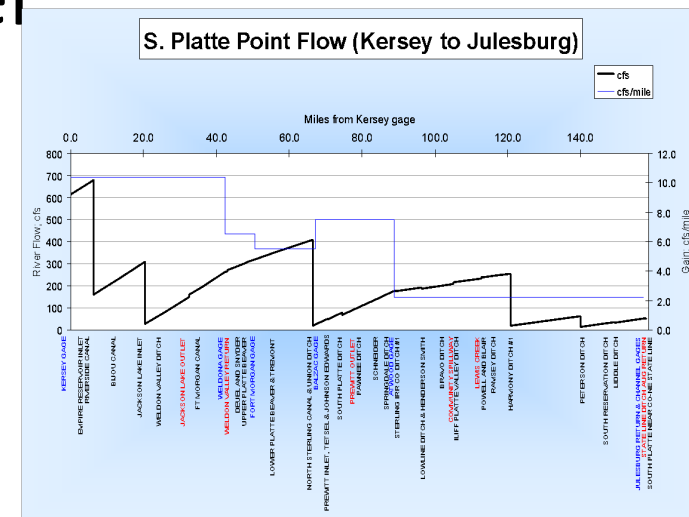


Updated June 2005



South Platte Basin Hydrology

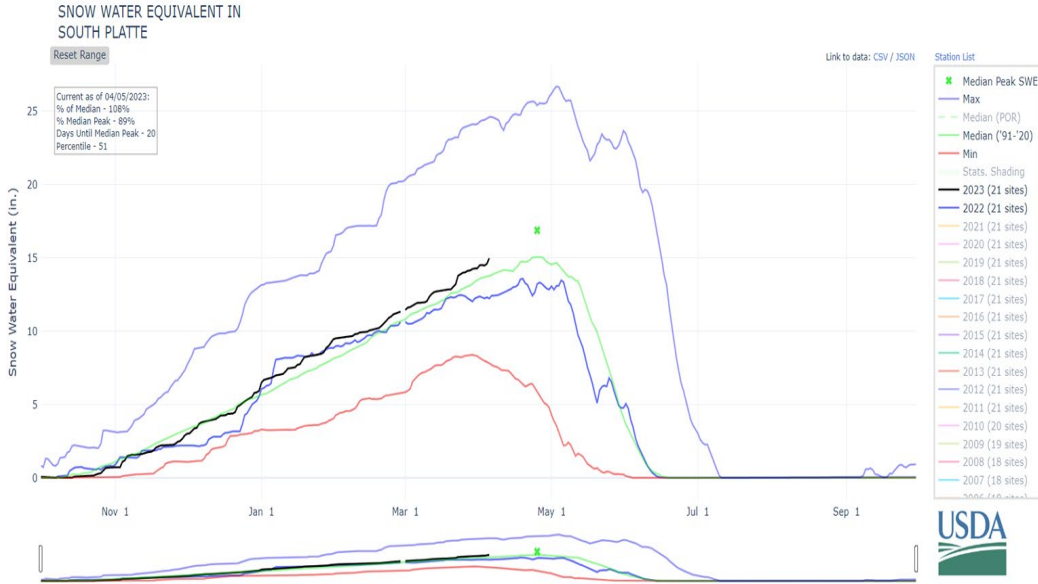
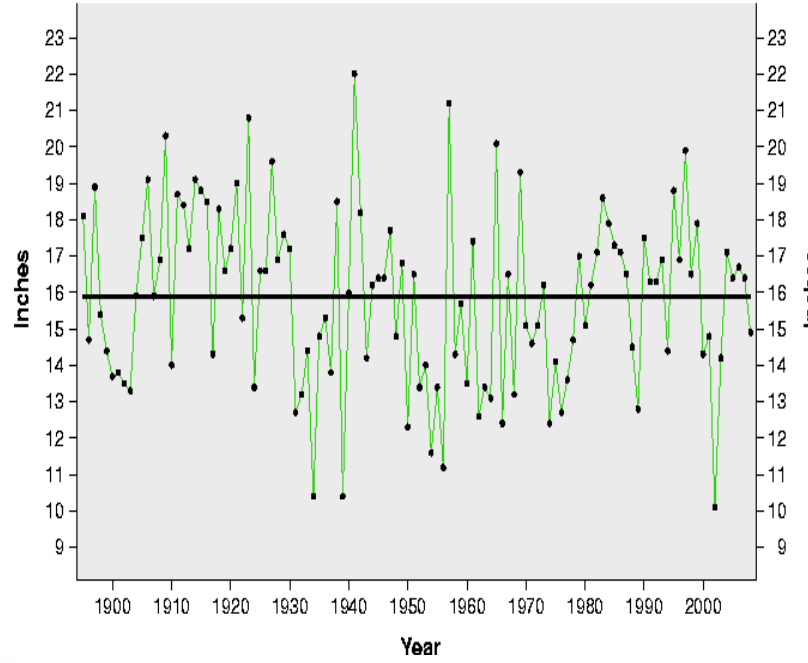
- USGS estimates total basin native flows to average about *1,400,000* acre-feet annually
- Transmountain water imports average about 400,000 acre-feet annually
- Total annual surface water diversions average about *4,000,000* acre-feet annually
- Return flows “make” the river
- Lots of reuse of water



South Platte River Basin

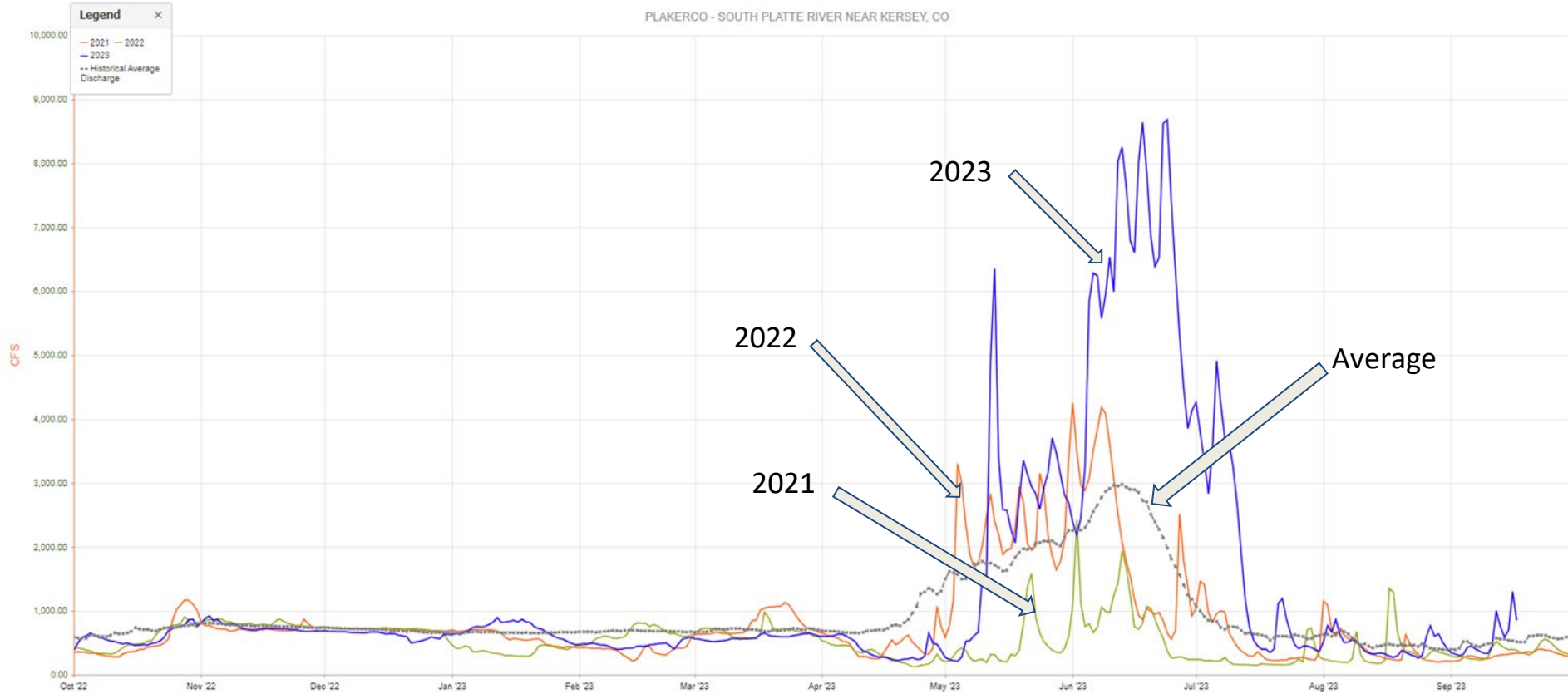
- Total South Platte River basin drainage area - 23,138 sq. miles
- South Platte River 400 miles in length
- Precipitation average - 10 to 17 inches per year
- Elevation - 3,400 to 14,000 + Ft
- Irrigated acreage – 800,000 acres

— Actual Precipitation
— Average Precipitation



Stream Flows

South Platte River Near Kersey, Colorado



South Platte River Basin Over-Appropriated

- More water is usually claimed or desired by water users than is available.
- Generally experience a water shortage much of the year.
- Almost always throughout the summer only water users who have water rights dating from the 1860's to the 1890's can divert in-priority.
- Plans of augmentation allow replacement of out-of-priority diversions.

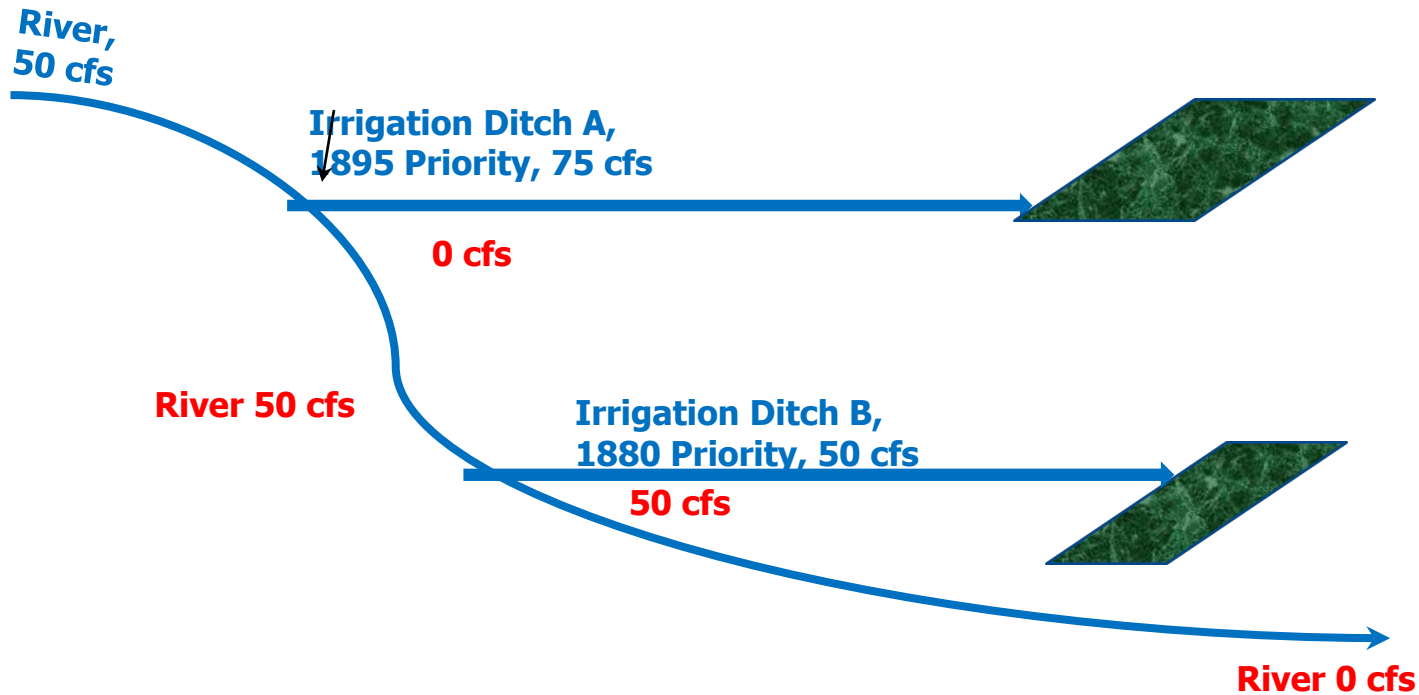
How Does A Commissioner Set The Valid Call For A Portion Of The River?

- Determines river conditions (supply) from stream gaging stations
- Determines the demand (calls) by various water right holders from water user contacts
- Sets the valid call based on a comparison of river conditions (supply) and demand (calls) and knowledge of water gains or losses and water travel times between points on the river
- DWR “curtains” all junior diversions upstream of the “Calling” Water Right
- Division 1 requires that the “Call” location diverts all native flow in the stream at the point of diversion (sweeps or dries the river)

Conditions Commissioners Review Prior to Placing A Valid Call for a User

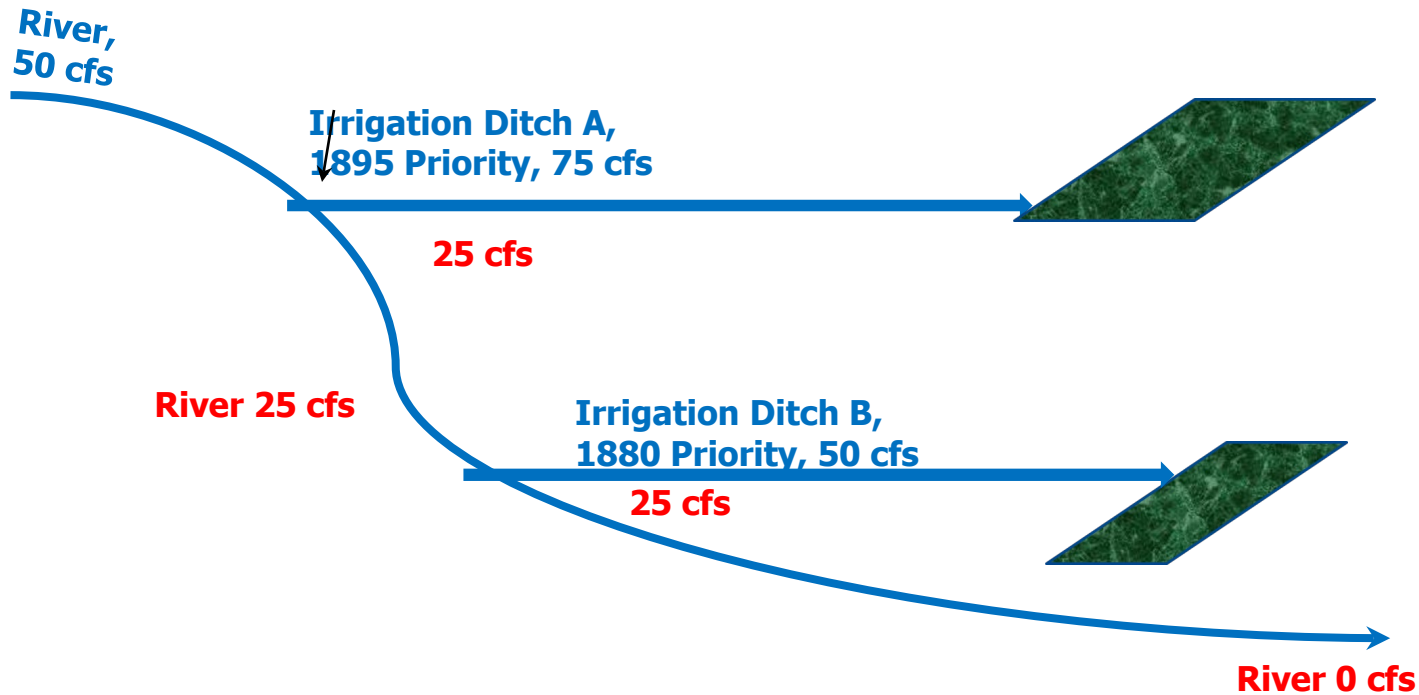
- User must be in priority
- Water diverted by user must be used in accordance with the **decree** terms and conditions (amount, location, use)
- Water cannot be wasted
- User must have an acceptable headgate and an accurate measuring device
- User must be taking all the water that is available at their headgate
- Must determine whether user can get the water they are asking for without setting a call
- Must determine whether user will get the water they are calling for by curtailing upstream junior rights

Prior Appropriation Administration



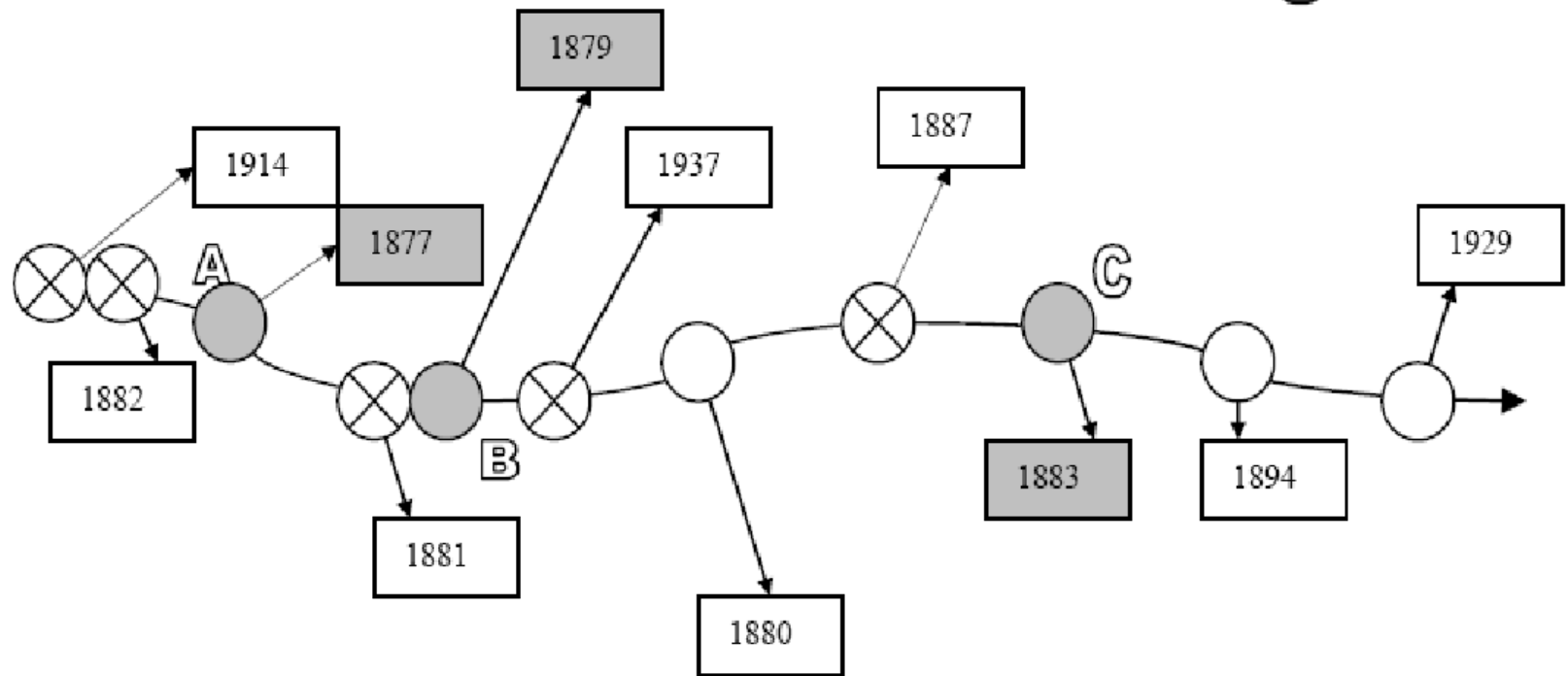
Ditch B 1880 Priority

Prior Appropriation Administration



Ditch B 1895 Priority (Ditch A)
"By-pass Call"

Descending Call



The calls become progressively more junior in downstream locations.

Mainstem South Platte River Calls On July 23, 2007

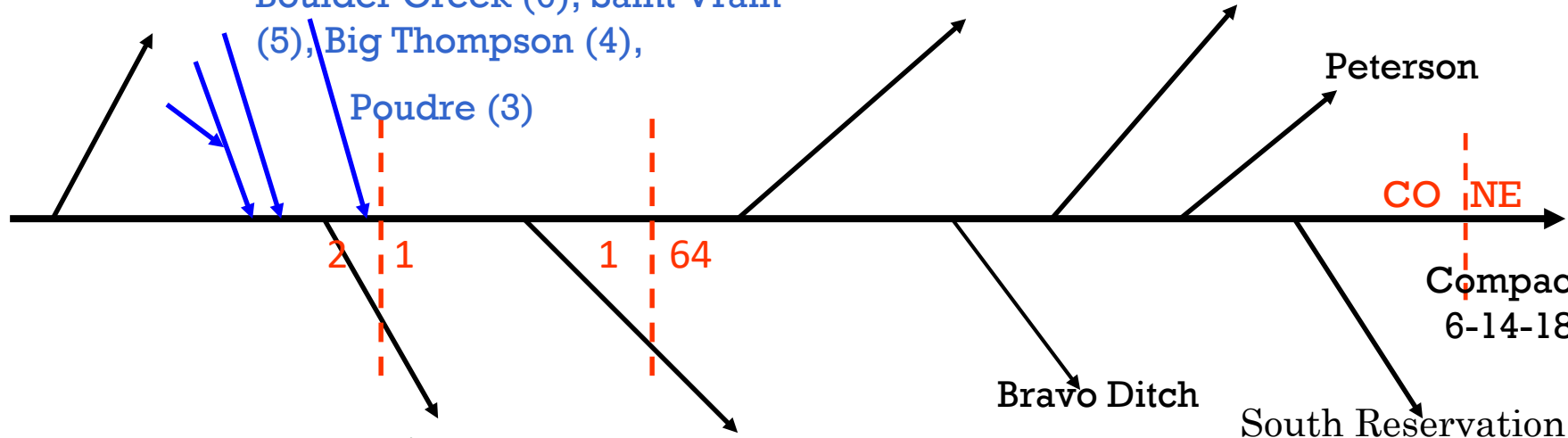
Sterling No. 1 using 9-4-1882 (Admin. No. 11935)
Lower Platte and Beaver Ditch priority

Harmony No. 1 using 7-11-1895 (Admin. No. 16628) Bravo Ditch priority

Brantner Ditch

Boulder Creek (6), Saint Vrain (5), Big Thompson (4),

Poudre (3)



Lower Latham using 1-15-1881 (Admin. No. 11338)
Brantner Ditch priority

Lower Platte and Beaver Ditch

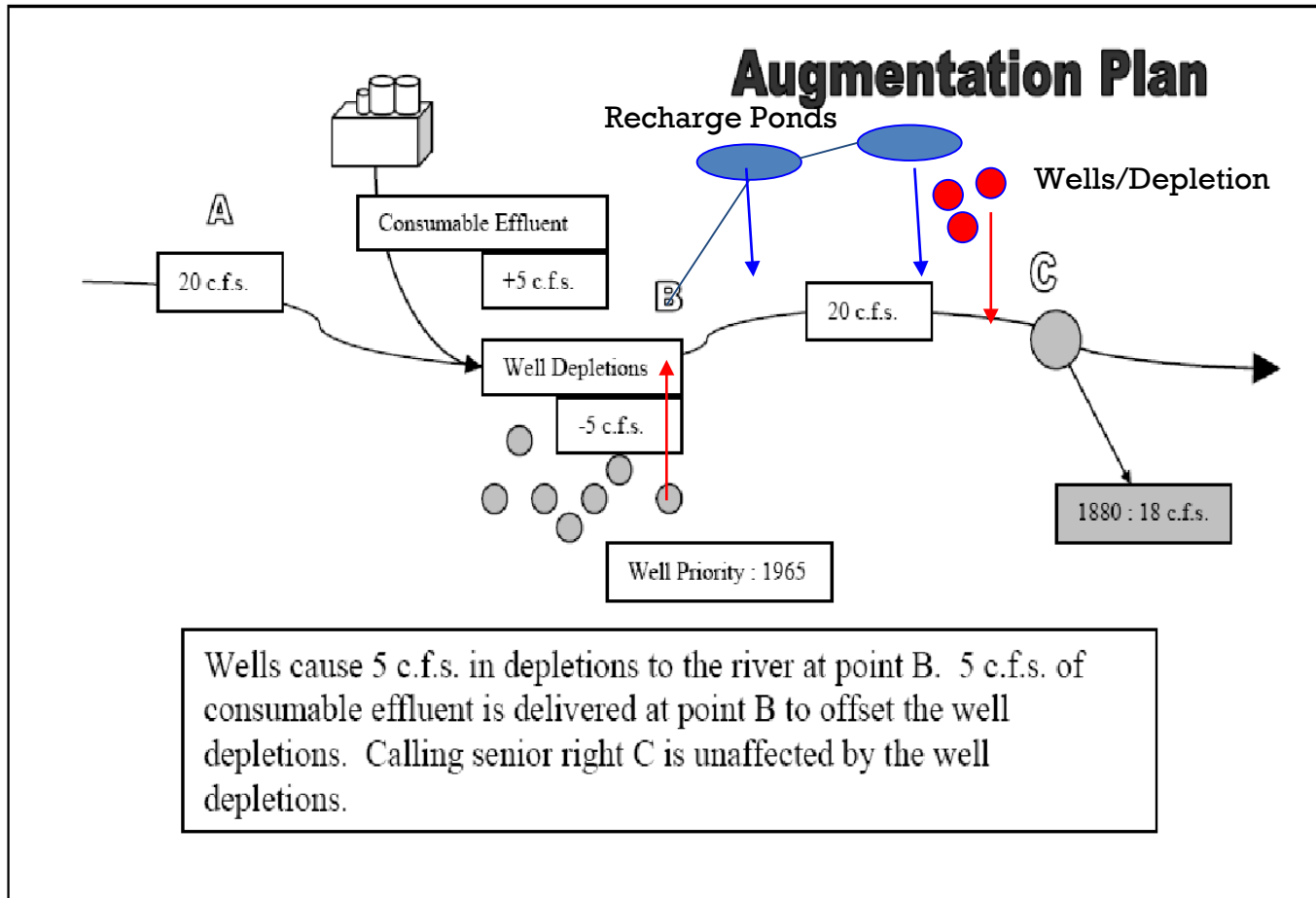
Bravo Ditch

South Reservation using 3-01-1895 (Admin No. 17846.16496) Peterson Ditch priority

Compact
6-14-1897

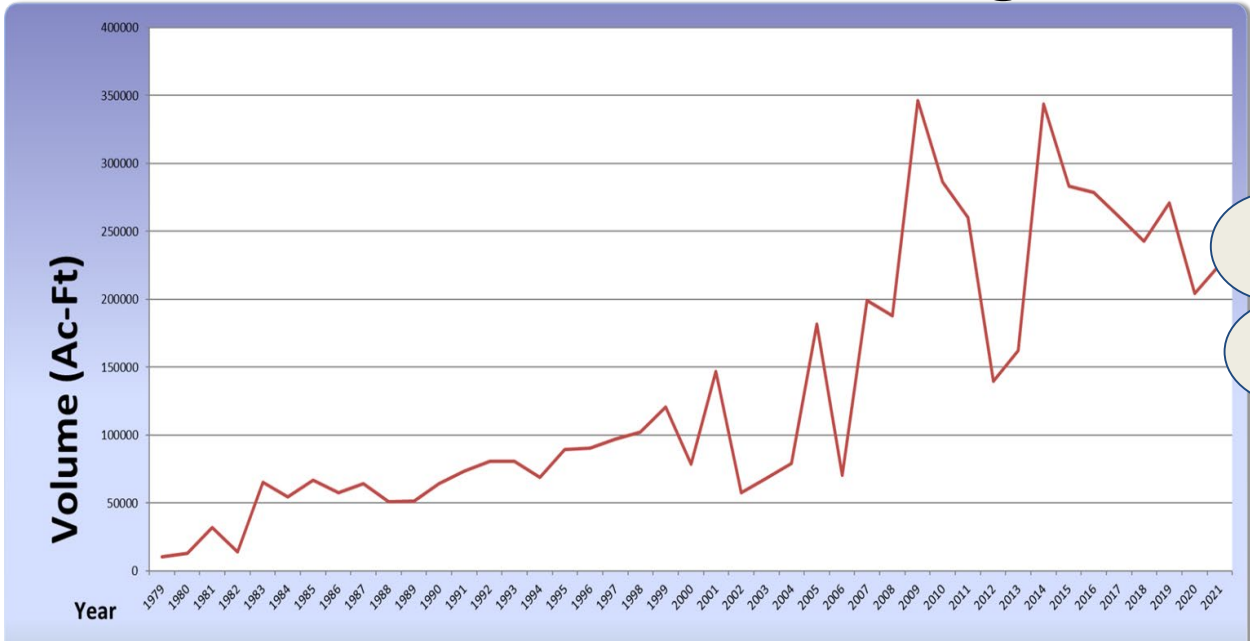
Plan for Augmentation

Plan to provide replacement water so that diversions by a junior water right user can occur without injuring other water right users. The junior water right diversion is usually associated with a well or a group of wells and replacement is of the depletions of those wells.





Division 1 - Total Recharge Volume

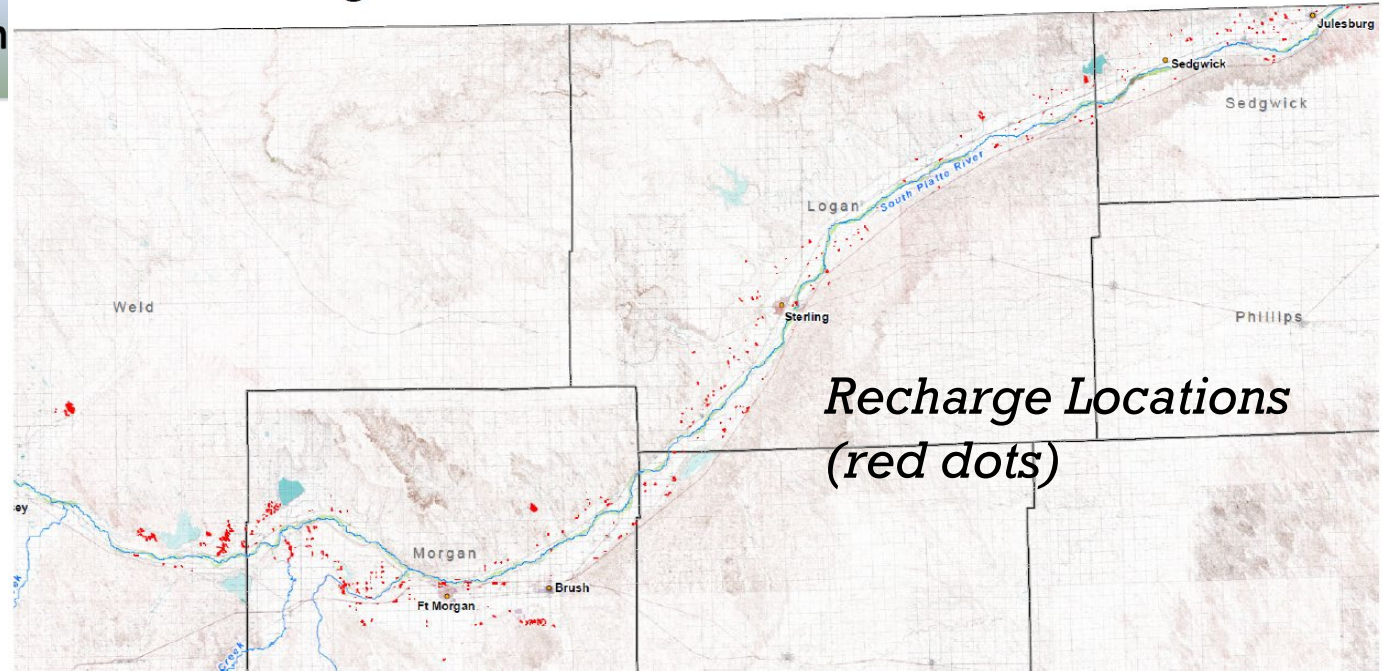


200,000 Acre-feet annually

2022

2023?

Division



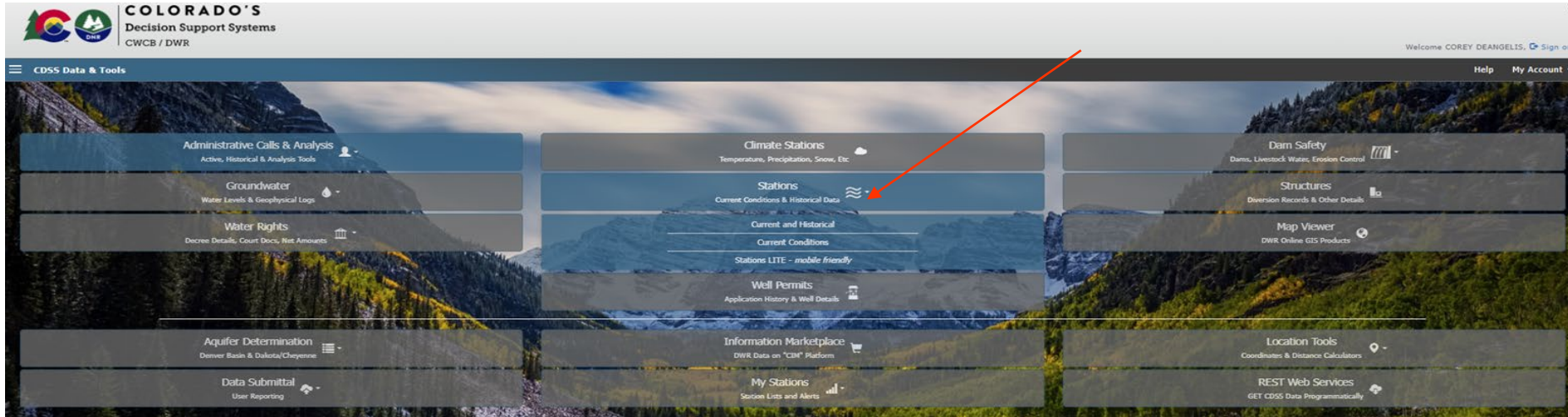
Recharge Locations (red dots)

Division 1

South Platte River Basin

*A Day in the life of a Water
Commissioner...*

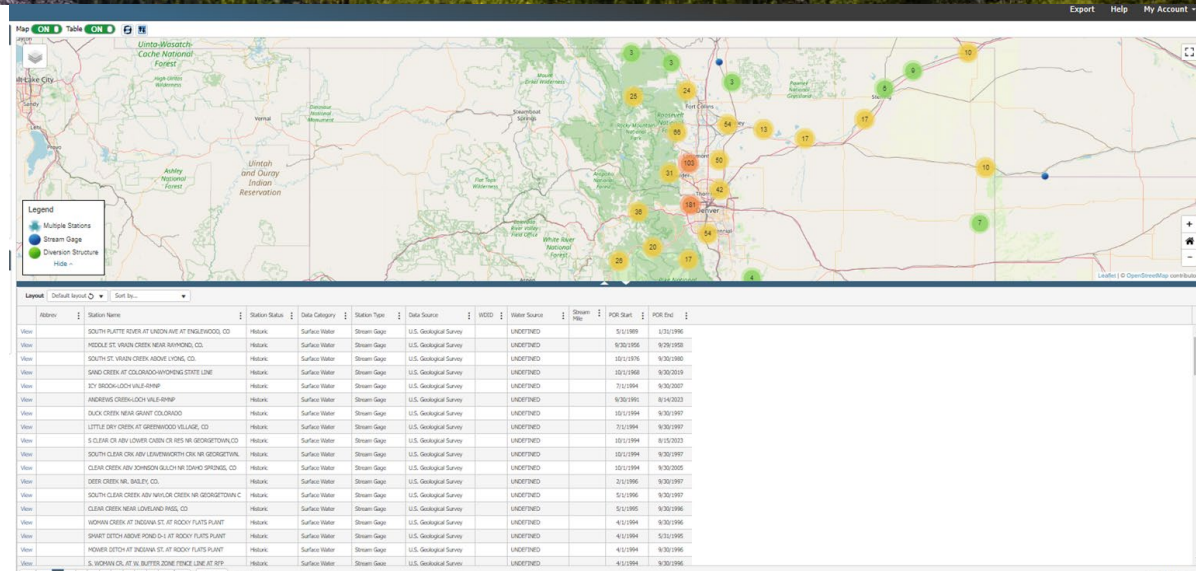
Determine Water Supply, Water Demand, and Timing



Telemetered Sites

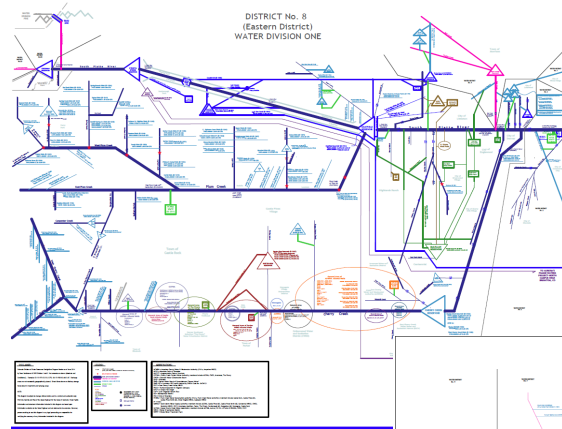
Key Division 1 Sites (864)

- Stream Gages (437)
- Diversions / Releases (427)

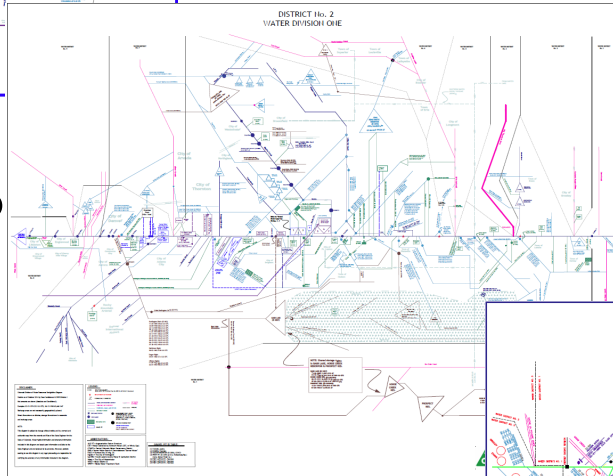


Incorporate Expertise of Water District(s)

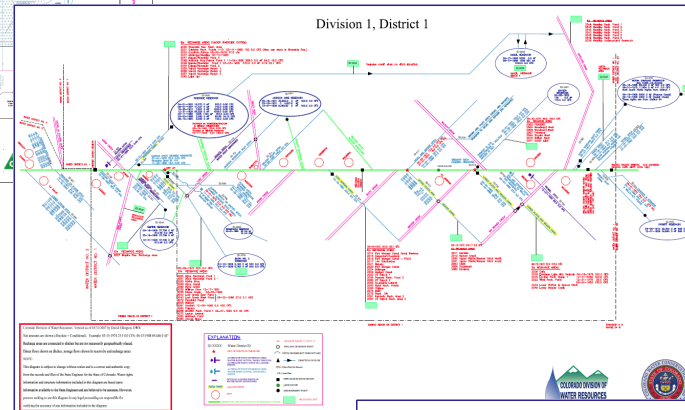
- Hydrology
- Return Flows / Replacements
- Transit Loss / Gains
- Timing



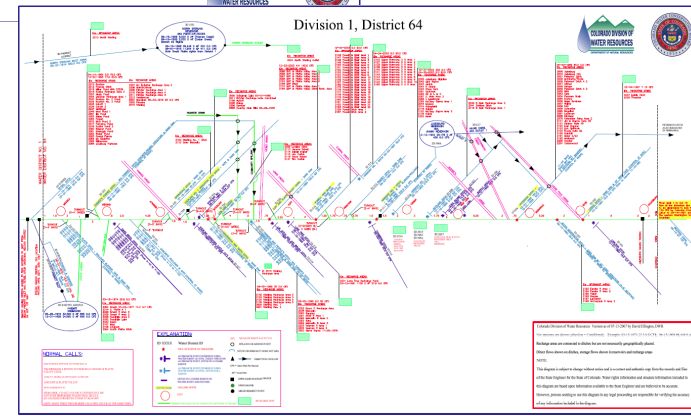
**District 8
Chatfield Res. to
Commerce City**



**District 2
Commerce City to
Town of Kersey**



**District 1
Town of Kersey to
Town of Hillrose**



**District 64
Town of Hillrose to
CO/NE Border**

Water Commissioner Tools

- Priorities / Geographical
- Snapshot of Telemetered Flows

WDR	Water Source	Ditch Name (if gaged not, ditch has no water rights)	Combed for Flows	APPROXIMATE	3700.00	3750.00	3800.00	3850.00	3900.00	3950.00	4000.00	4050.00	4100.00	4150.00	4200.00	4250.00	4300.00	4350.00	4400.00	4450.00	4500.00	4550.00	4600.00
PR004	Clear Creek	Wash Ditch	Combinational																				
PR006	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR008	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR010	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR012	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR014	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR016	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR018	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR020	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR022	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR024	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR026	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR028	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR030	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR032	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR034	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR036	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR038	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR040	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR042	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR044	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR046	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR048	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR050	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR052	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR054	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR056	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR058	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR060	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR062	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR064	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR066	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR068	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR070	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR072	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR074	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR076	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR078	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR080	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR082	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR084	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR086	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR088	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR090	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR092	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR094	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR096	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR098	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				
PR100	Clear Creek	Golden River Supply (Golden City Ditch)	Combinational																				

Clear Creek		Enter Projected Admin Number	Transit Loss (fdm)	Stream Gain (cfs/mi)	1 - Load Previous Data	Controlling Call									
Last Updated: 2023-09-07 14:30		5538	1.00%	1	2 - Refresh Telemetry Data	Ditch: CCFPD									
					3 - Save Data To New Tab	Admin: 5057									
						Date: 05.0603									
Stream Gage & Trib Inflow		Calculated Telemetry				Increase / Decrease									
Divergence															
Returns/Reflows to Stream															
Off Stream Structures (Does Not Affect Streamflow)		Culling Admin													
Stream Mile	STRUCTURE NAME	DIVERTING ADMIN NUMBER	DIRECT In	Direct Dammed	TOTAL DIVERSION	RETURNS TO STREAM	Gages Or Estimated Tributary Inflow	EST. STREAM GAIN	River Overflow (Observed/Estimated)	RIVER TOTAL	Non-Native Release or Diversion	Dam/Leak Available After Treatment	Native Diversion	Previous Update 2023-09-07 06:30	DIFF. BETWEEN CURRENT AND PREVIOUS
64.65	Clear Creek Ski Pipeline 2		0.00												
64.65	Lowland Valley Headgate		0.00												
62.50	Clear Creek Skiing Corp Return Flow Point						193.00			193.00				193.00	0
Grizzly Gulch (Top of Stream)															
58.16	Josaphine Pipeline		0.00												
58.03	Grizzly Gulch Pipeline		0.00												
Clear Creek / Grizzly Gulch Confluence															
55.91	Austin Ditch & Pipeline		0.00												
56.32	Sharon Ditch & Pipeline		0.00												
55.34	Silver Plume Pipeline		0.00												
Leavenworth Creek (Top of Creek)															
5.59	Widder Tunnel					0.00								0.00	0
0.52	Green Lake Ditch														
South Clear Creek (Top of Stream)															
2.26	Green Lake Sertage Inflow Point						0.51			0.51				0.51	0
Leavenworth Creek / South Clear Creek Confluence															
0.07	Leavenworth Creek At Mouth Near Georgetown, Co						6.53			6.53				6.53	0
	Georgetown Ditch		0.00												
Clear Creek / Leavenworth Creek Confluence															
51.04	Clear Cr. Abv. Georgetown Lake Nj Georgetown, Co						28.90			0.51				40.70	-16
50.24	Georgetown Lake									0.51				444.00	-2
49.91	Georgetown V/VTP									0.51					
48.89	Diamond B Diversion									0.51					
48.82	Orst Ditch									0.51					
47.67	Clear Creek Abv West Fork Clear Creek Nj Empire Co						42.70			42.70				41.50	12
West Fork Clear Creek (Top of Creek)															
11.67	Jones Pass Delivery To West Fork Of Clear Creek						-999.00							-999.00	0
Hoop Creek (Top of Creek)															
145	Berthoud Pass Pipeline Structure						0.61							0.64	-0.03
146	Berthoud Pass Diversion		0.00												
West Fork Clear Creek / Hoop Creek Confluence															
2.47	Guanelle Reservoir Inflow						2.92			2.92				2.95	-0.03
2.47	Guanelle Reservoir (Outflow)						3.85			3.85				3.88	-0.03
0.16	West Fork Clear Creek Abv Mouth Nj Empire Co						24.80			24.80				24.20	0.6
Mad Creek (Top of Stream)															
0.29	Empire Town Water Right		513	182											
0.25	Lindstrom No. 1 Ditch		404	120											
West Fork Clear Creek / Mad Creek Confluence															
Clear Creek / West Fork Clear Creek Confluence															
Mill Creek (Top of Stream)															
0.92	Happy Thoughts Ditch		0.00												
0.25	Green - Dumont Ditch		0.00												
Clear Creek / Mill Creek Confluence															
45.21	Clear Creek Near Laveron, Co						69.20			69.20				67.80	14
Fall River (Top of River)															
9.64	Fall River Reservoir Outlet						15.00			15.00				15.00	0
Loch Lomond Creek (Top of Creek)															
166	Loch Lomond Reservoir Outlet					</									

Set & Communicate Calling Water Right(s)

Colorado's Decision Support Systems
CWCB / DWR

Welcome COREY DEANGELIS. Sign out

CDSS Data & Tools

Administrative Calls & Analysis
Historical & Analysis Tools

Groundwater
Water Levels & Geophysical Logs

Water Rights
Decree Details, Court Docs, Net Amounts

Aquifer Determination
Denver Basin & Dakota/Cheyenne

Data Submittal
User Reporting

Climate Stations
Temperature, Precipitation, Snow, Etc.

Dam Safety
Dams, Livestock Water, Erosion Control

Search Fields

Geographic Location: Water Division
South Platte

Options: Select

Search

Additional Resources

Colorado Water Administration
Annual Calls
Pure Call Analysis
Source Call Analysis
Info Information Marketplace
Web Services
Portal

Map ON | Table ON

Admin Scenario	Date/Time Set	Water Source	Stream Mile	Location WGS	Location Structure Name	Call Priority WGS	Priority Structure Name	Priority Admin No.	Priority Date	Priority No.	Bounding WGS	Bounding Structure Name	Set Comments
View	CALL	9/14/2023 8:00 AM	LITTLE THOMPSON	31.31	0400503	W R BLOWER DETCH.	0400503	W R BLOWER DETCH.	7031.00000	4/1/1988			AFFECTS LITTLE...
View	CALL	9/14/2023 8:00 AM	CLEAR CREEK	3.15	0700547	CLEAR CR PLATTE	0700582	AGRICULTURAL DE...	7712.00000	2/11/1971			
View	NONCONSUM	9/13/2023 12:00 PM	SOUTH PLATTE RIV...	256.72	0601967	LITTLETON BOAT C.	3801997	LITTLETON BOAT C.	0295.51713	1/31/1963			NON-CONSUM...
View	CALL	9/13/2023 8:00 AM	SOUTH PLATTE RIV...	42.79	0400251	HARPOONY DETCH I.	0300687	NORTH STERLING	2630.23623	1/5/1922			AFFECTS DETCH...
View	CALL	9/13/2023 8:00 AM	SOUTH PLATTE RIV...	237.77	0300303	BURLINGTON D RL	0300802	BURLINGTON D RL	3150.00000	1/13/1999			AFFECTS DETCH...
View	CALL	9/13/2023 8:00 AM	BIG THOMPSON RL	71.88	0400233	VELLSBOROUGH DE...	0400230	LOVELAND GRADEL...	7596.00000	10/28/1870			AFFECTS BIG T...
View	CALL	9/13/2023 8:00 AM	BOULDER CREEK	36.08	0602108	BOULDER CR WIN	0600230	FARMERS DETCH	4027.00000	10/1/1982			AFFECTS DETCH...
View	CALL	8/11/2023 12:00 PM	SANT JUANIN CREEK	21.49	0300253	INDICE MEADOW	0202030	JAMES DETCH	8761.00000	6/20/1968			AFFECTS DETCH...
View	CALL	8/11/2023 12:00 PM	SOUTH BOULDER C.	1.44	0602250	ROWES DOWNLIF	0202030	S BOULDER BEAN C.	4028.00000	5/21/1962			AFFECTS DETCH...
View	CALL	8/11/2023 12:00 PM	SOUTH PLATTE RIV...	3.65	0499999	SOUTH PLATTE RIV...	0499999	SOUTH PLATTE RIV...	17320.00000	6/14/1997	049998	SOUTH PLATTE...	AFFECTS ALL O...
View	CALL	8/13/2023 8:00 AM	CACHE LA POUQUE.	38.61	0300205	S H DIXON DETCH	0300415	CACHE LA POUQUE.	7061.00000	5/11/1968			
View	CALL	8/13/2023 8:00 AM	CACHE LA POUQUE.	16.04	0300204	CANAL 3 DETCH	0300834	CANAL 3 DETCH	7396.00000	4/11/1975			
View	CALL	8/10/2023 8:00 AM	RALSTON CREEK	10.27	0702358	BLUNN RES	0702336	BLUNN RES	4548.00000	6/10/1982			AFFECTS RAL...

Communication With Water Users

- Website (official)
- Email Groups
- Phone Calls
- Text Messages

Division 1

Water Administration Today

- CDSS Streamflow, near real-time telemetry >850 sites
 - Near Real-time measurement, recording and reporting
 - Accurate Measurement Devices on all diversions, returns and in-stream measurement (bypasses)
 - Communication / Cooperation
- Data-Logger Projects
 - 800+ SDR's in Division 1. Very few Chart recorders
- Telemetry Project
 - 330 installed with cellular telemetry



A Few Other DWR Administrative Duties

- **Storage Rights (Reservoirs)**
 - (“reservoir fill season” = November 1 – April 1)
- **Exchanges**
- **Substitutions**
- **Augmentation Plans**
- **Minimum Instream Flows (MISF)**
- **Augmentation of ISF’s**
- **Reservoir Storage Mitigation (ISF’s)**
- **Groundwater**
- **Non-decreed diversions and use**

Interstate Agreements Administered by Water Division One

Two Compacts

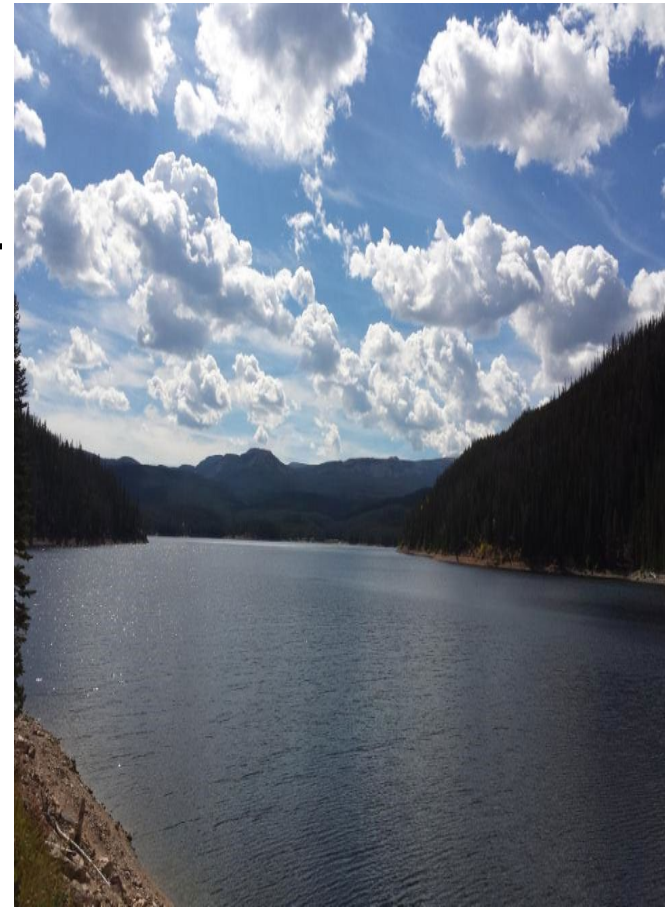
- South Platte River Compact
- Republican River Compact

One U.S. Supreme Court Case

- Wyoming v Colorado Impacting
the Laramie River

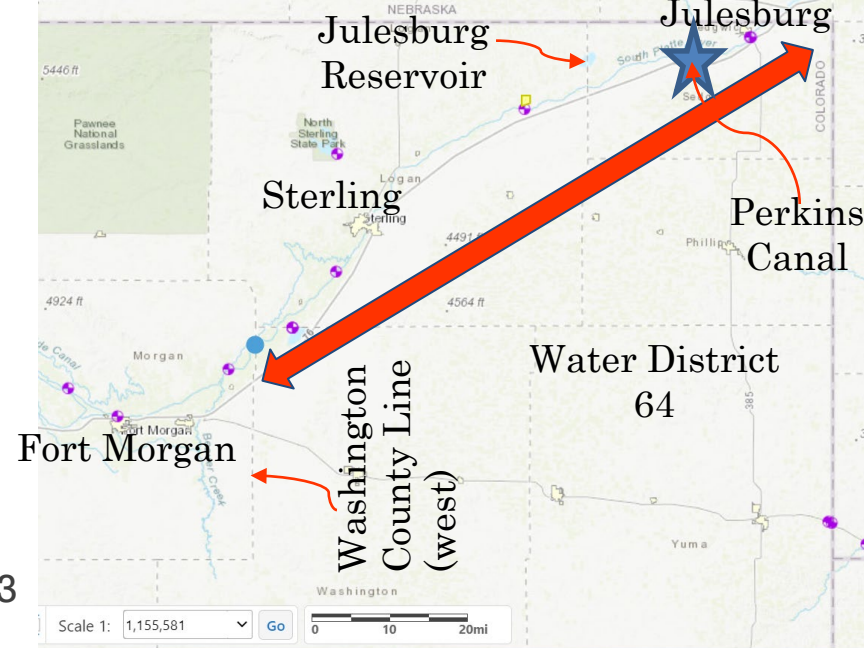
One Interstate Agreement

- Sand Creek Agreement
with Wyoming



SOUTH PLATTE RIVER

COMPACT

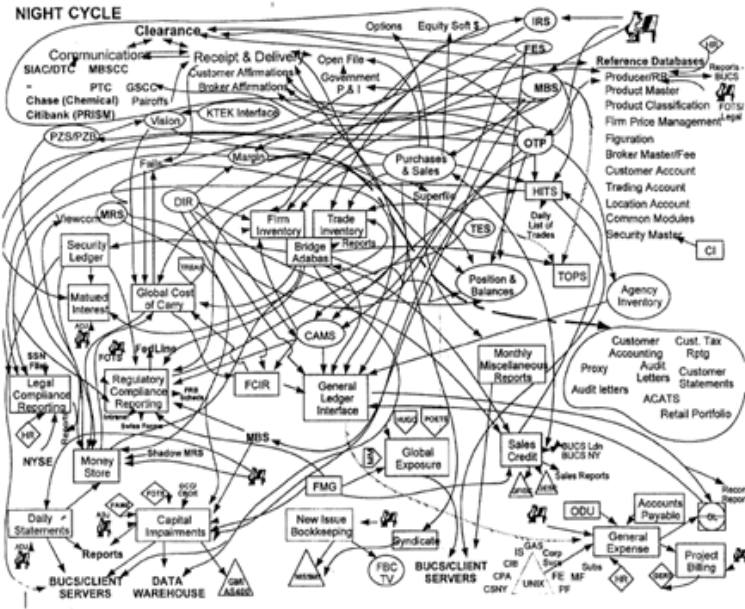


- Ratified between Colorado and Nebraska 04/27/1923
- Only impacts water district 64 (Hillrose, CO)
 - Does not extend above Westerly Boundary of Washington County to Stateline (Julesburg)
- **April 1 - October 15** must maintain daily flow of 120 cfs at the Stateline (Article IV)
 - Flow < 120 cfs, curtail water rights **junior to 6/14/1897**
 - Senior water rights may divert, even if flows below 120 cfs
- **October 16 - March 31** , no requirement for delivery except (Article VI)
 - Nebraska to construct “Perkins County Canal” (near Ovid, CO)
 - **Junior to 12/17/1921**, diversion rate of up to 500 cfs
 - Junior to 35,000 acre-feet of storage and use by Colorado
 - Julesburg Reservoir, Priority Date 2/4/1902, Storage of 28,178 Acre-Feet
 - 3-States Agreement / Endangered Species
- **Colorado has complied & remains in compliance with the South Platte River Compact**



QUESTIONS?

<https://dwr.colorado.gov/>



Divl Administration
Sounds easy - right?



TEAMWORK

Together Each Achieves More

FreePosterMaker.com