ArkDSS Memorandum
Final

To: Bill Tyner and Kelley Thompson, Colorado Division of Water Resources

From: Wilson Water Group

Subject: Task 2.1 – Water Commissioner Interviews
Notes from Water District 12 Meeting

Date: February 2019

Introduction

This memorandum provides notes from the September 20, 2017 meeting with the Water District 12 Water Commissioner. Water District 12 includes the mainstem Arkansas River from Salida to Portland and tributaries to the Arkansas within that reach. Meetings were held with Water Commissioners in each Water District in the ArkDSS study area. The objectives of these meetings were to 1) develop an initial basin understanding; 2) determine diversion and reservoir structures that should be included in future detailed modeling efforts, and 3) determine which reservoirs and diversions warrant more detailed investigation and technical documentation. These objectives support Task 3 Consumptive Use Analysis and Task 4 Surface Water Modeling. Information in this memorandum is believed to be accurate for water planning and modeling purposes; however this information should not be relied upon in any legal proceeding.

Approach

In preparation for the meeting, Water District 12 data were compiled and reviewed using the following procedure outlined in the ArkDSS Scope of Work:

1. Review the availability of diversion, reservoir storage, and streamflow data.
2. Review historical call data and identify how it may vary from current call reporting standards.
3. Identify net absolute water rights for structures in each water district. Review the irrigated lands master parcel set to identify ditches with water rights and/or diversions records for which irrigated areas have not been identified.
4. Develop an initial list of key structures and structures with acreage and water rights, but no diversion records to understand areas without records and how to estimate their use.

Maps were also developed displaying reservoirs, diversion headgate locations, and irrigated acreage of the Water District to facilitate the discussions.

The interview with the Water Commissioner was intended to determine structures that should be considered key based on seniority, water administration, or basin operations. Because much of the irrigated acreage in the Water District 12 had inaccurate ditch assignments, the interview

also served to correct irrigated parcels and ditch assignments required for modeling purposes. Prior to the meeting, a brief description of the purpose and goals of the interview was provided to the Water Commissioner. The following is a summary of the meeting agenda:

1. Review straight-line diagrams for accuracy
2. Develop a list of major projects, reservoirs, and ditches in the water district, including names of knowledgeable contact people
3. Gather information on dry-up points in the river, calling rights, augmentation plans, and administration specific to the water district
4. Gather general information on the preliminary list of irrigation diversions selected to include in future detailed modeling efforts (key structures), and solicit input on their final inclusion
5. Develop information on reservoirs, such as owner entities, ditches that get reservoir deliveries, assigned delivery losses, etc.
6. Correct irrigated acreage information

Meeting Attendance

The meeting was held at the Division of Water Resources Office in Pueblo. The following people attended the meeting:

Brian Sutton, Western Region Coordinator
Tim (Ryan) Canterbury, Water Commissioner District 12
Dan Henrichs, Water Commissioner District 12
John Van Oort, River Operations Coordinator
Kelley Thompson, DWR, Lead Modeler
Bill Tyner, Assistant Division Engineer (Surface Water Operations)
Steve Witte, Division 2 Engineer
Erin Wilson, Wilson Water Group
Brenna Mefford, Wilson Water Group

Transbasin Diversion

Transmountain water is delivered to Water District 12 from imports into Water District 11 and stored in Pueblo Reservoir or delivered directly to Water District 12 or downstream users. Colorado Springs Utilities (CS-U) can exchange their transbasin water sources up Beaver Creek from the Arkansas if the flow in Beaver Creek is 8 cfs or greater at the 115 Highway gage on Beaver Creek (07099060). This exchange generally occurs during average to wet runoff periods and during large storm events. To request the exchange CS-U will contact DWR through their website. The exchanged water will be collected into CS-U's South Slope system reservoirs in District 12: Rosemont, Mason and McReynolds. The request for the exchange does not specify which reservoir will be used for storage; it is a general request. The water stored in Mason and McReynolds Reservoirs is delivered to the east slope of Pikes Peak (Water District 10) via St.

John's Tunnel (1004613). Water from Rosemont Reservoir is taken through Rosemont Reservoir Pipeline (1200538) to Fisher Canon Reservoir (1003688). The pipeline is a 10" pipe and has a decreed capacity of 13.45 cfs. Flow in the pipeline can be diverted to the Broadmoor Water Treatment Plant or Penrose Reservoir (1003682) before it reaches Fisher Canyon Reservoir. Exchanges for CSU's South Slope system are recorded under ID 1203545.

Compacts and Agreements Affecting District 12 Administration

Water District 12 is subject to conditions and stipulations set forth in the Arkansas River Compact between Colorado and Kansas; however this does not typically affect administration in the Water District 12 tributaries.

Stream Gages

There are six active streamflow gages in Water District 12. In addition, there are five historical gages that may be used during model development. The gages, station ID, and comments regarding the use or quality of the gage are summarized below.

Gage ID	Gage Name	Period of Record	Comments
07096000	Arkansas River at Canon City	1888-2017	Used for administration
07096250	Fourmile Creek below Cripple Creek near Victor	1992-2017	
07099050	Beaver Creek above Upper Beaver Cemetery near Penrose	1991-2017	
07097000	Arkansas River at Portland	1939-1952 1975-2017	
07099060	Beaver Creek Above Highway 115 Near Penrose	1991-2017	
07094500	Arkansas River at Parkdale	1949-1955 1965-2017	
07093740	Badger Creek, Upper Station	1980-2003	
07093775	Badger Creek, Lower Station	1980-2003	
07096500	Fourmile Creek near Canon City	1948-1953 1971-1997	
07099100	Beaver Creek near Portland	1971-1983	
OILCANCO	Oil Creek near Canon City	1950-1953	

Instream Flow Reaches

There are 33 separate decreed instream flow reaches in Water District 12 and 6 minimum lake level decrees. Most of the instream flow reaches are in the headwaters above significant diversions; and many of the instream flow reaches are on the same tributaries; with decreed rates generally increasing

from upstream to downstream. The following instream flow reaches are likely depleted by senior water right diversions and storage; however because they are junior to most other rights, they do not typically affect river administration.

- Badger Creek Instream Flow (1203000) from the headwaters to the confluence with the Arkansas River. Maximum decreed rate is 3 cfs.
- Currant Creek Instream Flows (1203012, 1203020, 1203021) from headwaters to Cottonwood Creek confluence Maximum decreed rates increase from 1.25 cfs to 2 cfs.

General Administration

Dan Henrichs has been the Water District 12 water commissioner since September 2017. There are also two deputy water commissioners, Ryan Canterbury and Dennis Jones.

Local calls occur on most of the tributaries and are typically senior to the Arkansas Call; therefore lower mainstem Arkansas calls typically only affect mainstem water rights in this district.

Upper Arkansas Water Conservancy District (UAWCD) provides regional augmentation for users in the western portion of the district and is currently working to expand in the eastern portions. They provide weekly and annual accounting forms to the Division 2 office (the Division) on a weekly and annual basis. Many of the individual augmentation plans report either monthly or annually to the Division.

There are large exchanges that occur in District 12 including CS-U's exchange on Beaver Creek, the exchange on Four Mile Creek to Mt. Pisgah Reservoir, and the exchanges on the mainstem of the Arkansas River to replace out of priority depletions for the UAWCD. There are also significant exchanges through District 12 from Pueblo Reservoir, or below, to Twin Lakes and Turquoise reservoirs. Key target flows through Canon City and Portland must be monitored to stay within allowable limits of the large upstream exchanges done by Aurora and Colorado Springs Utilities.

The Voluntary Flow Management Program has changed the flow regime in the upper portion of the river by changing the timing of releases from Turquoise and Twin Lakes reservoirs and, to a lesser extent, from Clear Creek Reservoir. The program is still not completely understood by senior ditch users downstream of Pueblo, who don't know that the water is from storage and therefore, not available for them to call down. To help with this issue, the Division has a "Reservoir Operations Spreadsheet". This tool color-codes the water at each gage as native, transmountain, reservoir storage release, etc. The senior ditch users can only call for the native water. This program, however, is immensely successful and helps support a multi-million dollar recreation industry that includes rafting and fishing.

The normal year call sequence is specific to each tributary and is documented in the "Tributary Specific" information below.

Where to find more information:

- Additional information on Voluntary Flow Management Program is included in the ArkDSS Fryingpan-Arkansas Facilities and Related Operations memorandum.
- Additional information on augmentation in Water District 12 is presented in the ArkDSS Upper Arkansas Water Conservancy District Operations memorandum.
- Additional information on historical calls is presented in the ArkDSS Task 2.9Historical Calls memorandum.

Municipal Use

Town of Howard residents are on domestic wells. UAWCD provides augmentation water for lawn watering to one large subdivision (Acres of Ireland) and a few other smaller subdivisions. Acres of Ireland subdivision replaces depletions through an augmentation plan (1207017) using a changed irrigation water right known as the Allen Ditch. Replacement water is measured through an augmentation station (1201009) on Cherry Creek.

Glen Vista subdivision is in unincorporated Fremont County between Cotopaxi and Canon City and operates under an augmentation plan (1207008) using 12 ac-ft (0.23 cfs) of changed water from the Pleasant Valley Ditch (1200500) and 2 ac-ft of storage water from Twin Lakes Reservoir (1103503) as the replacement supply.

Canon City receives water from the Arkansas River from two sources. The City has senior water rights in the Canon City Hydraulic Ditch (1200505) for year-round diversions. The City previously used the Canon City Royal Gorge Intake (1200928) in addition to the main Hydraulic Ditch. This Alternate Point of Diversion is located upstream of the Hydraulic Ditch and also takes out of the Arkansas River, but the structure burned down in 2013 and has yet to be re-built .Canon City also has Fryingpan-Arkansas Project water, but typically relies on their direct flow rights. They are currently working on accounting to incorporate Fryingpan-Arkansas Project water into their system.

City of Florence receives water from the Arkansas River, Adobe Creek and Newlin Creek. The city owns shares in the Union Ditch (1200835) that can be used year-round. The city owns a series of reservoirs, Florence Reservoirs 1, 2, and 3 (1203319, 1203320 and 1203321) that are filled from the Florence Newlin Creek Pipeline (1200788), Florence Mineral Creek Pipeline (1200987) and the Florence Adobe Creek Pipeline (1200830). Although they have rights to store in all three reservoirs, currently only Reservoir 1 is in operation. Florence also has water rights for the Florence Diversion Work (1200992) that is an alternate point of diversion for their Union Ditch water and all three of their pipelines. Florence also supplies water to Lincoln Park subdivision.

Town of Wetmore residents all use individual wells.

Penrose Water District provides municipal water for the town of Penrose. Penrose Water District (Penrose) receives water from Brush Hollow Canal, Brush Hollow Reservoir and wells that are Alternate Points of Diversion to the Pleasant Valley Ditch (1200500) water. Of the 10 cfs originally decreed for irrigation, Penrose added municipal use to8.936 cfs. Penrose diverts the Pleasant Valley Ditch at the original point of diversion and then returns it to the river for diversion through their alluvial wells (less transit losses) along the Arkansas River near Penrose.

Penrose has actual and conditional storage rights in multiple reservoirs. Brush Hollow is their main place of storage, but Penrose can also store in DeWeese Dye Reservoir (1303613) and Pueblo Reservoir (1403526).Penrose has two decreed exchange points (1) Pueblo Reservoir and (2) DeWeese Dye Reservoir. Fully consumable water can be stored in Pueblo Reservoir during the irrigation season. Water stored in Pueblo can be released for immediate exchange (50 cfs) up to Penrose's alternate points of diversion (wells) on the Arkansas River between Fremont County line and the confluence with Eightmile Creek. Water stored in Pueblo can also be exchanged up to DeWeese Reservoir. Penrose can also exchange (4.7 cfs) of fully consumable water up from the confluence of Grape Creek and the Arkansas River up to DeWeese Reservoir. The maximum annual volume of exchanges for both Pueblo and DeWeese Reservoir is 800 acre-feet.

Town of Cripple Creek has three small reservoirs on Beaver Creek: Cripple Creek Reservoirs 1 (no longer exists),2, and 3 (1203906, 1203907 and 1203908), and they also own a conditional storage right on West Four Mile Creek Reservoir (1203585) that has not yet been constructed. The combined decreed total storage of all four reservoirs is around 581 ac-ft. The Cripple Creek Pipeline (1200540) is decreed for 1.25 cfs and takes water out of Beaver Creek and delivers it to Cripple Creek's treatment facility. Outside of the irrigation season, the pipeline delivers water into their Cripple Creek Reservoirs. The town also owns several wells that are augmented using water purchased from Howard Ditch (1200755) and changed from irrigation to augmentation. The Cripple Creek Augmentation Station (1201008) is at the historical Howard Ditch headgate. The town leases out some of their ground water and augmentation water.

City of Victor has senior water rights transferred to the Altman Water Pipeline (1200535) for delivery to the City's treatment facility. City of Victor owns Bison Park Reservoir (1203913) and Victor Reservoir No. 2 (1203910).Victor Pipeline (1200541) delivers water from Victor Reservoir No. 2 to the City's treatment facility. An unmetered pipeline delivers water from Bison Park Reservoir to the treatment facility. City of Victor water is used for both potable water and for mining.

Park Center Water District uses an artesian well that is administered as non-tributary for the first 227 acre-feet. They can store water in Mt. Pisgah Reservoir (1203505) and release it to

cover depletions over 227 acre-feet. Additionally, Park Center has historically used shares from the Canon Heights Ditch in their municipal system and completed a change of water right in 2018 for their Canon Heights Ditch shares to municipal use.

Reservoir Specific Information

Mt Pisgah Reservoir (1203505) is also known as Wrights Reservoir. It is located on Fourmile Creek and has a decreed capacity of 2,743 ac-ft for irrigation. Catlin Canal Company owns the reservoir. It has intermittent storage records since 1950; contents are generally complete since about 1995. The reservoir has an outflow gage (1200507) that is mapped incorrectly in GIS. The reservoir fills in the winter under the Winter Water Storage Program. It comes into priority occasionally in the summer during storm events. Although the reservoir is outside of Southeastern Water Conservancy District boundaries, the Catlin Canal Company is still allowed to exchange water up and store Fryingpan-Arkansas Project water in the reservoir because Catlin Canal (1700552) is inside Southeastern's boundary. The reservoir has several accounts and stores fully consumable credits by exchange for a few small augmentation plans.

Brush Hollow Reservoir(1203779) is located on Brush Hollow Creek and is owned by Beaver Park Irrigation Company. It has a decreed capacity of 4,185 ac-ft. Water from Beaver Park Ditch is routed to and stored in Brush Hollow Reservoir. In 1994 the reservoir was restricted to a gage height of 22 feet; the restriction was removed in Oct 1997 after repairs were finished. Brush Hollow Reservoir has an agreement with Ark Valley RW L&P Res 1, aka Skaguay Reservoir (1203819) in which Skaguay will hold 172 ac-ft of water, equal to the dead pool in Brush Hollow. When Beaver Park Irrigation Company needs the water, the 172 ac-ft will be released. Historical contents are generally available since 1950.

Mason Reservoir(1203814) is owned by CS-U and stores water from Beaver Creek. It has a decreed capacity of 2,653 ac-ft and is part of CS-U's South Slope Collection System. Water is delivered from Mason Reservoir through the St. John's Tunnel (1004613) to Lake Moraine Reservoir (1003654). The reservoir is filled from water exchanged up Beaver Creek and from direct flow rights on Middle Beaver Creek.Mason Reservoir also receives water from the East Fork of West Beaver Creek being brought through the Strickler Tunnel to Boehmer (12003813) Reservoir and released into Mason Reservoir. Historical contents are generally available since 1950.

McReynolds Reservoir(1203815)is owned by CS-U and stores water from Beaver Creek. It has a decreed capacity of 2,049 ac-ft. McReynolds Reservoir is part of CS-U's South Slope Collection System. Water from McReynolds Reservoir is delivered to Lake Moraine Reservoir (1003654)through St. John's Tunnel (1004613). Water from both Mason and McReynolds Reservoir are used conjunctively, and could be modeled as a reservoir system. McReynolds is filled from direct flow rights from Middle Beaver Creek and other water owned by CS-U is stored by exchange. McReynolds Reservoir also receives water from the East Fork of West Beaver Creek that is brought through Strickler Tunnel to Boehmer Reservoir and released to McReynolds Reservoir. Historical contents are generally available since 1950.

Ark Valley RW L&P Res 1 (1203819) is also referred to as Skaguay Reservoir and is located on West Beaver Creek. It's owned by Colorado Parks and Wildlife (CPW). The upper two feet of storage is owed and delivered to Beaver Park Irrigation Company by agreement. It has a decreed capacity of 3,275 ac-ft and the only releases to Beaver Park Irrigation Company by agreement and for out-of-priority storage to replace evaporation. Some records have been stored under Skaguay Reservoir alternate WDID (1203511). Storage records are available back to 1950, but there are extended periods without information.

Rosemont Reservoir (1203820) is located on East Beaver Creek and owned by CS-U, with a decreed capacity of 2,427ac-ft. It is decreed for irrigation, municipal and domestic use. The reservoir has intermittent storage records back to 1950. CS-U does the accounting for the reservoir and may have additional records. The reservoir has low priority and therefore typically is only filled from direct flows exchanged up Beaver Creek from the Arkansas during high flow events.

Bison Park Reservoir(1203913) is decreed for Municipal and Domestic use and is owned by City of Victor. The Reservoir has a decreed capacity of 1,147ac-ft. The reservoir is located on the East Fork of West Beaver Creek (Intake ID 1201121). The reservoir rarely ever comes into priority and normally relies on direct flow rights on the Arkansas exchanged up Beaver Creek to be fill the reservoir. Diversion comments under this reservoir show that records are kept under City of Victor.

Where to find more information:

- Additional information on Colorado Spring Utilities storage in Water District 12 is included in the ArkDSS Colorado Springs Utilities Operation memorandum.

Tributary Specific Information

The basin has several significant tributaries that experience local administration.

Mainstem Arkansas River

The mainstem of the Arkansas River in Water District 12 is generally affected only by local calls with Minnequa Canal followed by Union Ditch being the most senior irrigation calling rights.

- Rogers Ditch No. 1 (1200501) is normally taken through an alternate point of diversion, Rogers Ditch No. 1 APD (1200953). The Water Commissioner has an excel sheet with recent meter readings for 1200953, but these have not been put into HydroBase yet. Any records for this ditch are still under 1200501.
- Davis & McCumber Ditch (1200878) and Fremont County Ditch (1200510) are the same structure and records should be combined and the structures modeled as a diversion system.

- Plum Creek Pipeline (1200805) has not been useable since 2005 due to a collapsed pipe. 0.33 cfs from Crosswhite Ditch (1200800) and 1 cfs from Plum Ditch (1200804) were transferred to Plum Creek Pipeline. Currently it is being changed for augmentation
- Minnequa Canal (1200511) is diverted in Canon City and takes water to Pueblo to be used for steel manufacturing.
- Union Ditch (1200835) is diverted off the Minnequa Canal (1200511) and used for irrigation, municipal and augmentation. Augmentation water is diverted and measured through an augmentation station (Union Ditch Aug Station, 1200971). Water is also used for Town of Florence municipal water.
- Lester & Attebery (1200512) is used to augment a few ponds that are close to the headgate. Excess water is leased to Upper Arkansas Water Conservancy District.

Tributaries to the Arkansas River

Fourmile Creek

Landowners on Fourmile Creek generally place calls for administration on the tributary. Local calls occur during the irrigation season, with Titsworth Ditch (1200531) and Canon Heights Ditch (1200530) being the senior calling rights. These ditches share the most senior rights, but the Titsworth must be satisfied prior to the Canon Heights Ditch on all matching calling priorities.

- Silver Spruce Ditch (1201098) is the only existing structure of the Silver Spruce Structures, the other three structures (1201101, 1201099, and 1201100) do not physically exist. Silver Spruce Ditch is used to convey water to Silver Spruce Reservoirs 1 through 7 (1203397). Silver Spruce Reservoirs are used for municipal useby the Rainbow Valley Water District. The Rainbow Valley Water District provides water to the Rainbow Valley Subdivision. Water can be diverted out of the reservoirs or trucked out to the subdivision. 0.99 cfs from Doris Ditch (1200523) was transferred to Silver Spruce Ditch for the Rainbow Valley Augmentation Plan. The augmentation station has not been built, but construction is scheduled for the fall of 2017. The gage on the Ditch has some measurements, but they are not very accurate. These structures should be modeled as a diversion system.
- First Leon Ditch (1200524) and Second Leon Ditch (1200525) do not currently irrigate, but could potentially irrigate in the future. Some of the land under the ditch was dried up for the Lakemoor West Augmentation Plan (1207005). The structure hasn't been used since 1969.
- Pauls Ditch (1200760) headgate is also the diversion point for the Frazier Ditch (1200769) and the Grose Extension of Frazier Ditch (1200753).These ditches should be modeled as a diversion system.
- McIntire Ditch (120758) irrigates the North Side of West Fourmile Creek. Historically (1955-1965) diversions were combined with Pauls Ditch (1200760), Krestle Ditch (1200756), Frazier Ditch (1200769), and O'Briens Ditch (1200759). In 1950 to 1954 and in

1966 diversions were combined with South Ditch (12000761) and Fromm Ditch (1200751). These ditches should be modeled as a diversion system.

- Howard Ditch (1200755) includes transferred rights from Spring Ditch (1200762) and George Ditch (1200752).City of Cripple Creek purchased all the water rights under Howard ditch and the ditch is now used as an augmentation station. Records for the Cripple Creek Augmentation Station are kept under 1201008.
- Adams Ditch (1200527) and Phillips Ditch (1201010) are both being taken through the Adams Ditch headgate and called the Adams Phillips Ditch. The transfer of Phillips Ditch to Adams Ditch has not gone through water court yet. These ditches should be modeled as a diversion system.
- Canon Heights Ditch (1200530) is now completely piped.

Bear Creek

Calls and administration on this creek are handled by the District 11 Water Commissioner.

- Smith Ditch No. 1 (1100864) and Smith Ditch No. 1(1200812) are the same structure. Historic records are kept under 1200812 and more current records are kept under 1100864. The District 11 WDID will be the one used in the future.Records will need to be combined.
- Smith Ditch No. 2 (1100816) and Smith Ditch No. 2 (1200813) are the same structure. Historic records are kept under 1200813 and more current records are kept under 1100816. The District 11 ID will be the one used in the future.

Hayden Creek

Hayden Creek has local calls, with Hayden Ditch (1200697) having senior priority on the creek.

- Hoagg Ditch (1200708) is the same ditch as Hoagg Ditch (1201090) and 1201090 is the correct location for the diversion. Records are recorded under1200708. Acreage and records will be re-assigned to 1201090.

Little Cottonwood Creek and Oak Creek

Mosher Creek is a small drainage with few ditches and does not experience a local call.

- Little Cottonwood Ditch (1200749), Mosier Ditch (1200670) and Oak Creek Ditch (1200671) are all taken through the same ditch and irrigate the same grounds. All the water is taken through the location of the Mosier Ditch headgate. These structures should be modeled as a diversion system.

Bernard Creek

Bernard Creek has only a handful of ditches and does not typically experience a local call.

- Hylton Ditch (1200799) was transferred to Hilton Upper (1201054), which generally diverts through its alternate point of Hilton Lower Ditch (1201055).
- Bernard Ditch (1200797) irrigates the Cotopaxi football field.

Tallahassee Creek

Typically, Tallahassee Creek is managed internally and no local calls are placed.

- Pioneer North Ditch (1200614) and Pioneer North Ditch (1201082) are the same structure. 1201082 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. The Land owner still irrigates and is planning to transfer the right back to irrigation.
- Pioneer South Ditch (1200615) and Pioneer South Ditch (1201083) are the same structure. 1201083 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer them the right back to irrigation.
- Chivvis Ditch No. 1 (1200601) and Chivvis Ditch No. 1 (1201087) are the same structure. 1201087 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.
- Chivvis Ditch No. 2 (1200602) and Chivvis Ditch No. 2 (1201086) are same structure. 1201086 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.
- Chivvis Ditch No. 3 (1200603) and Chivvis Ditch No. 3 (1201084) are the same structure. 1201084 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer them the right back to irrigation.
- Structures under the Cyprus Mine Aug Plan (1207012) that can still be being used for irrigation:
    - Cox Ditch No. 1 (1200604)
    - Cox Ditch No. 2 (1200605)
    - Meadow Ditch Fear's (1200781)
    - Arch South Ditch (1200795)
    - Jacks Ditch (1200780)
    - Potato Patch Ditch (1200784)
    - North Spring Ditch (1200783)
    - Morning Star Ditch (1200782)

Squaw Creek

Squaw Creek has only a few ditches and managed internally.

- Black Ditch No. 1 (1200676) and Black Ditch No. 1 (1201039) are the same structure. 1201039 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.
- Black Ditch No. 2 (1200677) and Black Ditch No. 2 (1201049) are the same structure. 1201049 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.
- Hodges Ditch No. 2 (1200682) and Hodges Ditch (1200822) are the same structure. 1200822 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.
- North Squaw Ditch (1200689) and North Squaw Ditch (1201081) are the same structure. 1201081 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation.. Land owner still irrigates and is planning to transfer the right back to irrigation.
- South Squaw Ditch (1200691) and South Squaw Ditch (1201080) are the same structure. 1201080 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.

Cottonwood Creek

Local calls on Cottonwood Creek are requested by water users.

- Hodges Ditch No. 1 (1200681) and Hodges Ditch No. 1 (1201030) are the same structure. 1201030 is the corrected point of diversion. The right was changed from irrigation to augmentation and transferred to the Cyprus Mine Aug Plan (1207012). The Cyprus Mine never occurred and thus, the right was not ever used for augmentation. Land owner still irrigates and is planning to transfer the right back to irrigation.

Currant Creek

The rights on currant creek were decreed in the same decree: 02/03/1894. Calls are considered futile; the decree does not allow users to call each other out. The decree does not specify a duty of water or an amount of water; only that the water is decreed for irrigation. Only some of the associated irrigated acreage is described.

- Dell Ditch No. 2 (1200908) and Dell Ditch No. 3 (1200909) are alternative points of diversion for Dell Ditch No. 1 (1200563).The Dell Ditches are the most senior water rights on Current Creek.

Six Mile and Eight Mile Creeks

Six Mile and Eight Mile Creek manage water user internally - no local call has been placed.

- Cajon Ditch (1200598), McShane Ditch (1200600) and Franck Ditch (1200599) are taken from a common headgate, but diversion records are recorded separately for each ditch.

Hardscrabble Creek

Normally, Hardscrabble Creek requires frequent administration, with the senior calling right being Hardscrabble Ditch (1200660).

- Draper Ditch (1200657) and Uetley Ditch (1200629) are taken from a common headgate and irrigate the same lands. They should be modeled as a diversion system.

Oak Creek

W H May Ditch (1200730**)** is the controlling right on Oak Creek. Oak Creek does not have a large drainage area as is often dry.

Chandler Creek

Chandler Creek administers itself and no local call has been placed.

- Frank Dich (1200825), Wesley Ditch (1200824.) and Christy Ditch (1200823) all share a headgate and irrigate the same lands. They should be modeled as a diversion system.
- Pleasant Valley Ditch (1200500) has been changed to augmentation for Penrose Water District. Penrose is putting in an augmentation station: Pleasant Valley Aug Station(1200852).