

Division 1 Annual Report



South Platte at Kersey (photo by Jason Smith)

Irrigation Water Year 2008

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WATER SUPPLY AND ADMINISTRATION

Accomplishments and Innovative Administration

The complexity of administration continues to grow in Division 1. Division 1 staff is responding to this challenge with continued focus on the use of technology and efforts to better communicate with users. This year the Division improved its inter-district coordination of deliveries of augmentation and other water; this has taken on dramatically increased significance with multi-district augmentation plans such as the Central GMS plan. Division 1 also implemented a systematic program for the auditing of well user accounting; previously, this had been a source of criticism for the Division. Division 1 also extended its cooperative program for the installation of data loggers and telemetry and is taking the lead to improve the efficiency and precision of diversion records and administration of well augmentation plans. Each of these efforts is discussed in more detail in the main text of the report.

Division 1 brought six complaints in water court against well owners in 2008. The steady decline in complaints is attributed to the systematic approach to the curtailment of illegal well pumping and an active presence in the water districts. In anticipation of the promulgation of the Republican River Basin and South Platte Ground Water Measurement Rules, Division 1 personnel assisted personnel from Water Divisions 2 and 3 in the preparation and production of a class in Burlington, Colorado during June 17 through 19, 2008.

While much of the effort associated with Republican River compliance has fallen on the Designated Basins Staff in our Denver office, our water commissioner of the year, Dave Keeler, has done an incredible job in bringing parties together to allow for the

successful response to our compact difficulties.

One of the most significant accomplishments of the Division has been the ability to maintain services during the recent hiring freeze. The inability to fill an open hydrographer position, a deputy water commissioner, a receptionist, and deputy well commissioner created stress on the other staff to fill the gaps so that the Division could attend to the highest priority work.

Water Supply Conditions

Water supply conditions were in good shape as the 2006-2007 water year wound down. This was due in large part to late season precipitation events. The call on the South Platte River in October, 2007 first changed from irrigation to the refill of storage rights and eventually to recharge use as the demand for irrigation water declined.

Diversions starting the new water year on November 1, 2007 were for storage below Denver along the South Platte. The primary upstream diversions on the main stem and tributaries were also for storage purposes with continued diversions for direct flow municipal use for water suppliers.

Reservoir levels at the beginning of the 2007-2008 water year were better than 2007 and generally in good condition, especially for Denver area water suppliers with many of their reservoirs nearly full. By November 21, 2007 Julesburg reservoir on the lower end of the river had reached its winter fill, allowing diversions to occur for recharge purposes at the lower end of the South Platte River, District 64.

Storage was restricted due to ice forming in ditches because of colder conditions the latter part of December and parts of January.

During these times, the call on the South Platte River was removed as users could no longer take all of the available supply. This allowed for limited recharge to occur, though

even these diversions were restricted due to the cold conditions.

Even with the colder conditions, the river flow and beginning of the year storage levels gave hope that all major irrigation reservoirs on the plains would fill by the spring of 2008, providing a good start to the 2008 irrigation season. Municipal suppliers were also optimistic that there would be ample supplies based on their water storage. As always is the case, overall supply conditions for 2008 ended up being dependent on late winter and early spring mountain snow fall and spring rainfall conditions on the plains.

The weather had warmed and eliminated the restrictions on storage during February, 2008. By the end of February, storage along the main stem was approximately 15 or 20 days ahead of 2007 and it became clear that all major reservoirs along the main stem of the South Platte would fill in 2008. Storage conditions on tributaries were also better than 2007.

The primary diversions in March continued to be for storage. By the end of the month, all of the major reservoirs on the South Platte had finished filling. This allowed for a change in call to recharge. Recharge accretions provide a significant source of augmentation to replace well pumping depletions.

Due to the relatively dry April conditions, the primary diversions changed to irrigation purposes along the mainstem by the end of the month. With little rain or supply yet from runoff, the demand for irrigation exceeded the supply and there was a direct flow call for irrigation by the latter half of the month. This is not unusual when spring conditions on the plains are relatively dry.

Snowpack throughout the basin remained average or above average as winter wound down in the mountains. The snowpack in the Clear Creek and South Platte basins above Denver far exceeded the historic average. Unlike the previous several years when peak runoff occurred in May, the peak in 2008 was in June. This runoff allowed for significant storage along the major South Platte tributaries. This was especially helpful in the Poudre basin where the runoff allowed for the

filling of reservoirs that were very low due to several years of dry conditions.

The runoff from the South Platte basin above Denver and the Clear Creek basin allowed for very junior direct flow calls for the main stem down to Kersey. The high flows also provided significant flows to fill the remaining reservoir storage space above Denver. These flows helped assure there would be an adequate supply this year for all the major municipal suppliers in the Denver area.

Though snowpack was average or above average throughout the basin, generally the demand by the senior users along the tributaries and the upper part of the South Platte took all of the available supply. Thus, there were senior calls on the main stem below Kersey in May and June, unlike the spring of 2007 when there were 7 weeks of free river. The difference in river flow and thus call conditions between the two years reflects the difference between a dry and rainy spring on the plains. The dry conditions in 2008 did not allow downstream users the ability to refill reservoirs that were needed early in the irrigation year. Instead, users had to depend on these reservoirs to supply their irrigated crops. The dry-land winter wheat crop was impacted by the dry conditions as well.

The very dry conditions continued in July with precipitation averages of less than 75% of normal over most of the front range. It was the third driest July in Denver during the period of record with only 0.24 inches of precipitation. This compares to an average of 2.16 inches of precipitation in July. In addition, July was extremely warm with record breaking conditions. For instance, Denver weather in July was the third warmest on record. In fact, there were 24 straight days with high temperatures above 90 degrees between July 13 and August 5 breaking the old record of 18 straight days of 90 degree weather. While crops were generally behind their usual growth stage going into the summer because of the cool, but dry, spring, the hot July temperature allowed them to catch up.

Because of the hot temperatures and dry conditions, the flow of the South Platte at the key Kersey gage averaged 295 cfs compared to a historic average of 666 cfs in July. The call on the lower end of the main stem of the South Platte continued to be very senior. Many irrigation users in the lower reach of the river had to depend heavily upon their supplemental reservoir supplies to provide an adequate amount of water to their crops. It appeared that the major irrigation supply reservoirs on the South Platte would be empty by the end of the irrigation season because of the heavy draft on reservoirs. The main concern with this was that it would require a wet spring in 2009 in order to allow reservoirs to fill in 2009.

The conditions on the South Platte above Kersey and on the tributaries were considerably better in July as the rights in these areas are generally senior to those on lower end of the South Platte. We continued to see some runoff from South Park and down Clear Creek for the first half of July. This helped keep the calls from becoming too senior in the upper part of the South Platte above Kersey. However, by the end of July, even some of these users were getting concerned with whether they would have an adequate supply to complete the irrigation season.

Fortunately, August was significantly wetter than the previous portion of the irrigation year on the plains with several significant widespread storms in the basin. In fact for some of the plains areas, the rain in August was nearly half of the total precipitation for the year. The additional supply provided much needed water directly to crops, reduced the need for reservoir supplies and increased stream flow allowing for junior users to come into priority and begin taking water. It even allowed for periods of reservoir refills on the plains on the main stem of the South Platte. While storage conditions by the end of the month were not as good as at the end of August 2007, there was at least enough storage water to assure an adequate supply for most surface water users to finish 2008.

Without the wet conditions in August, some users had expressed concern that they would

not have had enough supply as their rights would have been out-of-priority and/or the irrigation reservoirs they depend on would have been empty prior to the end of the irrigation season. While not generally in danger of serious supply limitations in 2008, municipal suppliers also benefited from the rains as they reduced their demand on reservoir water which will have the effect of increasing available supply for future years.

Better than average precipitation continued in the South Platte basin in September. With this additional precipitation, the calls on the South Platte became more junior for the whole month with irrigation users generally having an adequate supply for their crops. Because of the junior call conditions, a limited amount of refilling of irrigation storage occurred during part of the month. While overall reservoir storage declined due to usage, the decline was not as large as would have occurred if the conditions had been drier. This was significant as it helped assure irrigation users had an adequate supply to finish out the irrigation year.

As the irrigation season wound down once again, attention was directed to next year's supply. By the beginning of October, the supply of water exceeded the reduced irrigation demand and users began to store water for next year's supply. The overall storage situation at the end of the water year on October 31, 2008 along the South Platte was above average when compared to the last several years of drier conditions. Significantly, the Cache la Poudre River had much more storage at the end of the 2008 water year than the last several years as excess CBT water was placed in storage in Big Windsor, Reservoir No. 8, Douglas and Cobb reservoirs in October. With this storage situation, Division 1 staff were optimistic that all the major irrigation reservoirs and key municipal reservoirs would once again be able to fill prior to the 2009 irrigation season.

Augmentation Plans

The augmentation plan coordinator assisted with the coordination of the interdistrict deliveries of replacement water for the first time in 2008. Because of the great success in 2008, we believe this is a valuable use of the augmentation plan coordinator's time and this position will continue to provide this information to the water commissioners.

In addition to the augmentation plan coordinator's tremendous strides in establishing a systematic approach to auditing the augmentation plan's accounting, this was the first year we dedicated a field person to assist with the auditing process. Members from the well enforcement program were able to assist with collecting surface water delivery data for various augmentation plans and in the process identify deficiencies in the structures used to collect this data. We intend to continue this effort in 2009 and look to expand their efforts to include additional augmentation structures.

The Sterling office team is incorporating the numerous innovative tools being created in coordination with the Lower South Platte Water Conservancy District and Northern Colorado Water Conservancy District into the diversion records process. We are hopeful these tools will be beneficial to all the water commissioners within the division.

Well Administration

The state and division engineers brought 6 complaints in water court against well owners in 2008. The steady decline in complaints is attributed to the systematic approach to the curtailment of illegal well pumping and an active presence in the water districts.

Until 2008, the well enforcement program has primarily focused on curtailing illegal well pumping in water districts 1, 2, 8, and 64; mainly along the main stem of the South Platte. At the end of 2008, the well enforcement program began redirecting their

focus to curtailing well pumping within the tributary river districts. The first district to receive this attention will be the Cache la Poudre river basin, water district 3.

Data Logger and Telemetry Installation

The installation of data loggers and telemetry in District 1 and 64 continues to be successful. With the information from data loggers, both users and Division 1 staff have been able to turn around recharge information within a matter of days, allowing users to obtain credit for recharge accretions immediately when appropriate. The increase in diversion and stream flow data on the web has improved administration because users and DWR staff are immediately aware of any problems associated with diversion quantities. It also has improved trust between users by providing real time information and confirmation that all users are operating in accordance with their water rights.

As a result of the success of the data logger program, the Division, along with NCWCD and LSPWCD successfully obtained approval of \$48,800 of funding from the South Platte Roundtable and Colorado Water Conservation board for the installation of additional data loggers and cell phone modems. The principle focus of this funding was the installation of data loggers and telemetry on all major structures diverting from the mainstem of the South Platte downstream of Denver and upstream of Kersey (District 2) in 2008. The only cost associated with the grant was to purchase equipment. As an in-kind service, purchased equipment was installed in coordination with the various ditch companies by NCWCD representatives.

With installation in District 2, data loggers and telemetry exist on all significant diversion and return structures from the north end of Denver to the state line along the South Platte River. The Division looks forward to the continued expansion of this successful

program into the tributaries of the South Platte. In the next annual report the Division will follow up with the successes and difficulties associated with this project.

Protocols

To administer augmentation plans in a fair, consistent, and transparent way, Division 1 has developed and/or updated several protocols including one for accounting for plans for augmentation, one for the delivery of replacement water using the natural streams, one for dry up of irrigated land, one for recharge, one for data loggers, one for exchanges of excess water credits, one for alternate point of diversion wells and one for the use of replacement sources not specifically identified in an SWSP or augmentation plan.

It is important to stress that these protocols are not meant to replace decree conditions, but rather supplement the decrees. The protocols are often attached to SWSPs as a term and condition prior to a plan for augmentation being decreed. In at least one case, the Water Judge required a protocol be included in a decree.

Well Measurement Testing And Rules

Burlington Well Tester Certification Class

In anticipation of the promulgation of the Republican River Basin Ground Water Measurement Rules, Division 1 personnel assisted personnel from Water Divisions 2 and 3 in the preparation and production of a class in Burlington, Colorado during June 17 through 19, 2008. The purpose of this class was to provide instruction and training to private individuals and state employees in the accuracy testing of installed totalizing flow meters, the calculation of power conversion coefficients (these allow the amount of water pumped from a well to be calculated based

on the amount of power consumed), and the requirements of the Republican River Basin Ground Water Measurement Rules. At the conclusion of the class, participants were given the opportunity take an examination to become an approved well tester in Colorado. Approximately 40 individuals attended this class, the majority of whom passed the exam to become approved well testers.

Well Measurement Rules

Currently there are no rules governing groundwater measurement within the South Platte River basin. There are also currently at least 12 Water Court augmentation plan cases (either decreed or pending) involving approximately 1,980 large capacity wells that contain the following language "Meters must be tested and certified to be accurate at least once every four years by a registered professional engineer or other person qualified to test and certify well meters.". However, without rules it is very difficult to meet the decree requirements as there is no definition of what the terms "tested", "certified", "accurate", or "other person qualified" mean. For example, no flow measurement device is 100% correct all the time, so does "accurate" mean 95% or 85% or 75% correct? Without a standard definition, arguments could be made for each percentage.

Additionally there are another approximately 2,000 large capacity wells within the South Platte River basin that have or need flow measurement devices to legally operate, but no decreed certification requirement. For wells with no decreed term requiring a certified meter, the Division Engineer must issue an individual order to each well, which obviously means issuing and maintaining information on approximately 2,000 orders. Measurement rules would alleviate this cumbersome and expensive process.

Division 1 intends to address this situation by promulgating measurement rules to become effective in Irrigation Year 2011. It is anticipated these rules will address the problems referenced above as well as improve the credibility of Division 1 with water

users by promoting a sense of equity because all water users will know that everyone is held to the same standard.

Excess Accretions Tool

Due to interest on the lower end of the main stem for exchanges or leases of excess recharge accretions, Scott Cuthbertson has lead an effort, with others, to develop a tool to determine if there is any exchange or lease potential for a given plan on a given day. This Excess Accretions Tool (EAT) is being tested for one Augmentation Plan in District 64 and if successful will be expanded to include other plans in the district to work out any issues before adding plans in districts up stream. One of the main hurdles to over come is the compilation of data that isn't part of the historic diversion records and the ability to obtain real time data for structures that have impacts on the river in the current month or following month.

Water Class Coding Standards

Work continues on reaching consensus with regard to, both in Division 1 and across DWR as a whole, Water Class Diversion Record Coding standards. Louis Flink at the Division 1 Office has taken the lead in the initial design of coding diagrams and diversion scenarios. Clear, consistent and accurate Diversion Records from year to year, district to district and from division to division will help bolster the public's confidence that we diligently administer water rights and augmentation plans. It is important to note, that even after standard are established every year there may be changes in some codes, but the vast majority of records will be consistent, will be understandable to an outside user and will not be changed from year to year.

Extracting Diversion Records from Accounting

Another idea in the development stage is a spreadsheet added to accounting submitted by entities to the Water Commissioners, who spend much of their winter time hours sifting through municipal and ditch company accounting to find data they need for some of their records. This spreadsheet, currently known as the DWR Sheet, will be in Water Class format similar to the format in many of the commissioner's daily administration spreadsheets. In order to initiate the addition of such a sheet a meeting with each entity would need to be set up explaining what Water Classes would be included in their particular spreadsheet and where the data comes from in their accounting. In addition to reducing the time spent on compiling this data, the records would be more accurately recorded as 'User Supplied' instead of 'Observed', as they have been in years past.

Republican River Basin

Compact Compliance

Surface and ground water within the Republican River basin is governed by the 1942 Republican River Compact, with current administration of the Compact under the Final Settlement Stipulation in Kansas v. Nebraska and Colorado accepted by the US Supreme Court in October 2003. The Settlement Stipulation sets a 5 year running average compliance period for each state's compact entitlement.

As previously reported, the Republican River Water Conservation District is the local body within Colorado working with the State to assure compliance with the Compact. The District has been able to retire over 30,000 irrigated acres in the basin through a combination of its own funds as well as the Federal EQIP and CREP programs. However, as also previously reported, despite these efforts Colorado has been overusing its

Compact entitlement. While some of this overuse is due to the on-going drought, both the State and the Republican River Water Conservation District have continued to take steps to bring Colorado into compliance as outlined below:

- A) Colorado hired a full time combination Hydrographer/ Deputy Water Commissioner position in November 2007 to assist Colorado in its Compact compliance efforts;
- B) Effective July 1, 2008, Colorado also created four more full-time positions to implement the Well Measurement Rules discussed below as well as assist with Compact compliance. These new positions will primarily be located within the basin, but will be supervised from the Denver Office. Unfortunately, as discussed elsewhere in this report, the hiring freeze Colorado was forced to institute October 1, 2008 resulted in none of these four positions being filled before November 1, 2008 (though two of the four positions were filled after November 1 with exemptions from the hiring freeze);
- C) Colorado completed the process of promulgating Well Measurement Rules applicable to all large capacity wells in the basin in July 2008. The rules require that by March 1, 2009 each well pumping over 50 gpm either: 1) install and have certified as accurate a totalizing flow meter or; 2) have a power conversion coefficient (PCC) calculated by an authorized individual or; 3) be certified as inactive by the owner;
- D) Colorado also began (and continues) working with the U.S. Bureau of Reclamation, Colorado Division of Wildlife, and Colorado State Parks on the operation of Bonny Reservoir on the South Fork of the Republican River to assist in compact compliance. This is a complex and difficult issue due to the recreation and wildlife issues associated with Bonny;
- E) As discussed in last year's report, Colorado continued the process of promulgating Compact Compliance Rules

applicable to all water rights, surface and groundwater, in the basin;

- F) Also as discussed in last year's report, Colorado moved ahead with what has come to be called the Compact Compliance Pipeline. Colorado and the Republican River Water Conservation District submitted an application to the Republican River Compact Administration for approval of the pipeline in March 2008. Confidential discussions and negotiations between Colorado, Kansas, and Nebraska occurred from August 2008 through March 2009. In March 2009, Colorado requested a special meeting of the Republican River Compact Administration to be set for April 28, 2009, for a vote by the Commissioners' on acceptance of Colorado's pipeline proposal. The results of this vote and subsequent developments will be detailed in next year's report.

North Fork Of The Republican De-designation Effort

Irrigation year 2008 saw the end of the petition for hearing and appeal of a decision of the State Engineer to the Colorado Ground Water Commission by several surface water rights owners on the North Fork of the Republican River. The petition, if successful, would have essentially de-designated all groundwater within 15 miles of a point of live flow that is hydraulically connected to the surface flows in the North Fork of the Republican River. This controversy was ended when the Republican River Water Conservation District purchased the water rights of a number of surface water rights owners on the North Fork of the Republican River and removed the historically irrigated lands from irrigation. This was done as part of the overall efforts of the Republican River Water Conservation District to bring Colorado into compliance with the Republican River Compact.

South Platte Decision Support System

The South Platte Decision Support System (SPDSS) development has continued throughout 2008. Following are key milestones:

A total of six new stream gages are being or have been installed to assist with daily river administration. Three have been completed on the South Platte mainstem at Atwood, Crook, and the Bijou Ditch diversion. Planning and construction have begun on the remaining three; one on the South Platte at Masters, one on Lodgepole Creek at the mouth, and one on the Springdale Ditch Return.

The Irrigated Acreage Assessment has been completed and a summary report prepared for the following years; 1956, 1976, 1987, 2001 and 2005. The summary report, which is available on the WWW, includes estimates of irrigated acreage, crop type, irrigation method (flood or sprinkler) and water supply (surface water only, conjunctive surface and ground water or ground water only). Work is proceeding on a contract extension to evaluate irrigated acreage in 1997, the year identified for the 3 State Agreement between Colorado, Wyoming and Nebraska.

The consumptive use analysis has been completed and posted on the WWW. This report builds on the irrigated acreage assessment described above and includes irrigation water requirement and water supply limited consumptive use estimates by ditch and water district from 1950 to 2006. It also estimates historic pumping and non-consumed water (potential return flows) for use by the SPDSS ground water model. Based on new information provided from Division 1 personnel and comments provided by the SPDSS Ground Water Technical Review Team, the 2003-2006 consumptive use analysis is being refined to address well administration not reflected in the 2005 irrigated acreage snap shot.

The SPDSS alluvial ground water model development has moved from data collection to model calibration. In 2008 the focus was developing a steady state calibration from 1991-1994 using both manual and automated calibration techniques. After completing the steady state analysis a transient calibration extending from 1999 to 2006 and validation extending from 1950 to 2006 are expected to be completed in 2009.

Program refinements required to develop a Water Resource Planning Model for the South Platte Basin have been completed. The pilot study extending from Kersey to the Stateline has successfully demonstrated the ability to model well augmentation plans, recharge systems, terms and conditions associated with a water transfer, meadow rights, call reporting, and the South Platte River Compact. In 2009 calibration will be completed, a peer review performed and contracts awarded to extend the application to the entire South Platte drainage.

Community Involvement

Personnel of Division 1 continue to attend and participate in Conservancy District and Ditch Company meetings as well as meetings of water user, realtor, and homeowner groups. In addition, as reported in more detail elsewhere in this report, Division 1 continued to work closely with the Northern Colorado Water Conservancy District and the Lower South Platte Water Conservancy District on the Stage Discharge Data Logger and Telemetry Installation Project by expanding it into Water District 2 and formulating plans to expand it into several of the major tributaries as well. Division 1 staff also continued participating in the Lower South Platte Irrigation Research and Demonstration Project advisory committee to examine alternatives to the traditional "buy and dry" approach to water transfers from irrigation to municipal use.

The Division of Water Resources sponsored a booth at the Greeley Farm Show for the ninth consecutive year. This show occurs in late January every year and again in 2008,

the staffs of both the Denver and Greeley offices coordinated shifts at the booth. The booth provides a great opportunity to distribute information and answer questions in an informal public setting.

Court Decisions

Central WAS Plan of Augmentation (03CW99 and 03CW177)

This application concerned the augmentation of wells historically augmented by Groundwater Appropriators of the South Platte (GASP). When GASP failed, The South Platte Well Users filed two augmentation plans with the Water Court in May of 2003 and sought approval of a SWSP for 380 wells. The plan was approved in June of 2003. This group was composed of former members of GASP.

In 2004, Central WCD established the Well Augmentation Subdistrict (WAS) which included the above 380 wells and additional wells or a total of 449 wells. Central amended the plan for augmentation to make Central the primary applicant in 2005.

WAS removed 234 wells as structures to be augmented under the proposed augmentation plan (the "removed wells"). WAS still sought approval of a plan for augmentation to cover 215 wells.

Trial was originally set for twenty days commencing May 8, 2006, but was continued at the request of the Applicant and by approval of the Court until February 5, 2007, subject to the condition that no pumping of the Applicants member wells shall occur unless and until the Court enters an augmentation plan decree.

The Court heard the matter for thirty days in February through May of 2007. In October 2007, the court issued a 101 page Ruling some eight months after the start of the six week trial directing WAS to submit a proposed decree in compliance with the order. After numerous proposed draft

decrees submitted by the Central and objectors, the court issued its final decree on May 14, 2008.

While there have obviously been a number of developments in this case, two bear mentioning in the context of this report. The judge deferred to our proposed terms on many issues though not on the key issue of delayed non-irrigation season replacement. Central had asked for the court to allow the division engineer to either project or wait and see if reservoirs fill before making replacement, but the court determined the wells must make replacement as the depletions are out-or-priority.

A second change to the historic administration was the judge's ruling that the wells were required to replace depletions associated with all pumping since the construction of the wells. Other plans of augmentation and the division engineer had only required replacement of out-of-priority depletions associated with pumping since the inception of the Amended South Platte Rules in March 1974.

WAS filed its notice to appeal the ruling to the Supreme Court on June 13, 2008. Due to the length of trial and time taken to prepare the record, the opening brief on the case will not be submitted until 2009.

In the mean time, Central has been submitting draft electronic accounting forms in accordance with this decree. The accounting is very complex. Some objectors have been reviewing these forms and submitting comments on the forms to the Division office. Staff at the Division office have been reviewing the comments from objectors in addition to independently reviewing the accounting. The Division has not approved the accounting for the plan as of the writing of this report. Though they received a decree, Central did not have adequate replacement supplies to allow its member wells in WAS to pump in 2008 or 2009.

Farmers Reservoir and Irrigation Company, East Cherry Creek Valley Water Sanitation District and Others – Case No. 02CW105A

In September, 2008, the Water Court ruled concerning an application proposed by the Farmers Reservoir and Irrigation Company (FRICO), Burlington Ditch Reservoir and Land Company, Henrylynn Irrigation District, United Water and Sanitation District, and East Cherry Creek Valley Water and Sanitation District. The Case, 02CW403, involved various new water right applications and change of use of water rights of Burlington Ditch and Barr Lake. The primary purpose of the application was to provide replacement water for diversions through wells located downstream of Barr Lake northeast of Denver south through a pipeline to the East Cherry Creek Valley Water and Sanitation District, a special district presently serving water to approximately 50,000 customers in the southeastern metropolitan area. The court ruled in this case that the historic use of the 1885 Burlington decree direct flow water downstream of Barr Lake was an illegal expansion of that right. The court also limited releases from Barr Lake to those which had historically occurred.

Significantly, the court found that the historic use of the Metro pumps to divert into the Burlington ditch was not a legal point of diversion and could not be used in the quantification in the change. This is a significant finding as Metro pumping has a capacity of 90 cfs and has averaged over 7500 acre-feet during the non-irrigation season annually to fill Barr Lake, Prospect and Horse Creek Reservoirs annually. Based on information brought to light as a result of the court case, our office will not allow the Metro pumps to be used for diversion into the Burlington ditch to fill the previously mentioned reservoirs. This may impact the ability to fill the reservoirs in 2009.

We expect the court to provide a final decree in this case some time in 2009. While most decrees only concern the shares being changed, the Judge's ruling concerning expanded use of the rights themselves will

have impact on the approximately 90% of the rights not a part of the case.

The applicants in this case will likely appeal this ruling concerning this issue.

North Sterling Reservoir vs. State and Division Engineer – Administration of "Water Year" (05CW125, 08SA29)

North Sterling Reservoir sued our office for takings and due process claiming their one fill year began at the low point of the reservoir which usually occurs in September or October as opposed to November 1. The issue was brought to a head several years ago when North Sterling tried to call for water prior to November 1 after they had filled their one-fill storage right; we denied the call.

North Sterling's position evolved, but ultimately it claimed that it was entitled to "low-point administration," i.e., that it would be able to begin a new storage year, and thus place a call, once it determined that it had reached its "low point" for the year. The "year" under the one-fill rule could thus begin at a different date each calendar year, and vary in length. The Engineers took the position that a year under the one-fill rule should be a 365-day period (except in leap year) and that it should begin on the same date each year.

The five day trial in September, 2007 on the issue turned mainly on historic administration. While the record was not exactly clear due to the fact that there had generally not been an irrigation reservoir call on the mainstem until recently and the fact that some municipal reservoirs use a beginning date other than November 1. Judge Klein's ruling essentially maintained the status quo on irrigation reservoir administration stating that the beginning of the one fill year was November 1.

The key to the case was Judge Klein's early ruling that the Engineers have the duty and the authority to administer the one-fill rule in cases, such as this one, where the storage

decree is silent. Once he determined this basic principle, the rest of the case followed logically.

On March 2, 2009, the Colorado Supreme affirmed Judge Klein's ruling. The Court held that any limitation on NSID's ability to divert water is lawfully imposed by Colorado's one-fill rule, not the Engineers' fixed water year. The Court rejected NSID's claim that the Engineers are bound by the historical operation and administration of NSID's rights, concluding that the Engineers must distribute water according to judicial decrees, not custom. Because NSID's storage decrees are silent on the issue of how diversions are to be accounted for under the one-fill rule, the Court held that the Engineers have the authority to implement a fixed water year for the purpose of administering NSID's storage rights.

Headwater Authority of the South Platte Umbrella Augmentation Plan (02CW389)

Upper South Platte Water Conservancy District and the Center of Colorado Water Conservancy District teamed up to apply for an augmentation plan in 2002. The plan covers depletions from any structures located inside their District boundaries that are subsequently added to the augmentation plan in the future without the need by users to apply for an amended plan in Water Court. The so called "umbrella plan" was decreed on April 28, 2008, and is only second of its kind in Division 1, although, similar plans have existed in other portions of the state for quite some time. The specific uses that can be covered by the umbrella plan are listed in the final decree and the associated depletions vary depending on the zone in which the structure will be located. The terms by which a structure may be included in the plan are spelled out in the decree. In order to join the umbrella plan, an application must be submitted to the Districts who must then notice all objectors in the case including the State and Division Engineers of the pending application. After a 30 or 60 day comment period (depending on the proposed

uses), the District shall either: approve, deny or modify the application to alleviate concerns raised by objectors during the comment period. The Districts have since formed a single operator for the augmentation plan known as the Headwater Authority of the South Platte or HASP.

DAM SAFETY

The dam safety branch in Division 1 is staffed with three engineers to perform periodic dam inspections, and receives inspection support in the upper reaches of the Platte basin from a field engineer assigned to the Division 2 office, and from personnel in the Design Review Unit in Denver. The southern sections of Water Districts 1 and 2, and the northern half of Water District 8 are assigned to the Dam Safety Branch chief in Denver. The remaining part of District 8, and Districts 23 and 80 are inspected out of Colorado Springs by personnel assigned to Division 2. This distribution makes more efficient use of travel and time for proper coverage of the dams in and south of the metro Denver area.

The dam safety engineers performed a total of 254 periodic dam safety inspections, and continued to assist with design review and construction inspection activities to support vacancies in the Denver based Design Review Unit. In addition to the periodic inspections, dam safety personnel performed 16 construction inspections, and made 96 additional site visits in support of dam safety activities.

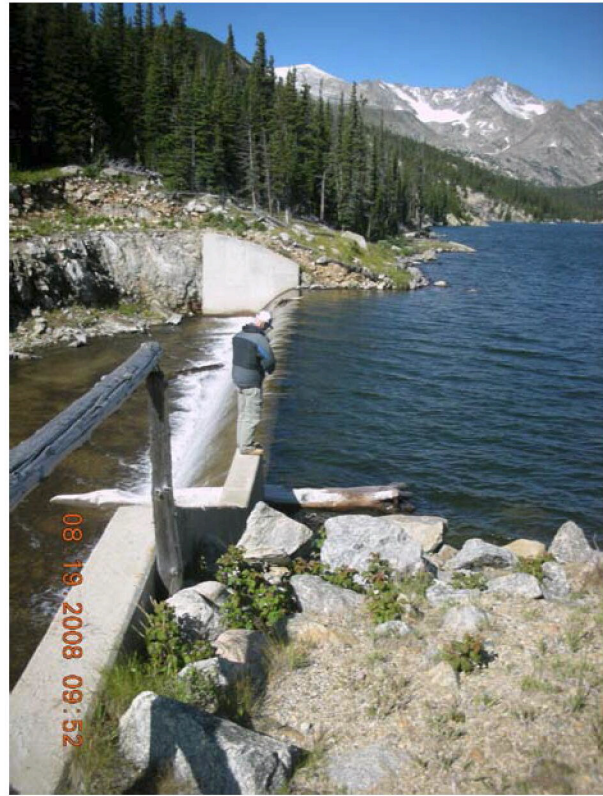


An ongoing activity of the branch is updating a database for profiling dams based upon risk associated with the design and operation of the dam. This concept was originally developed as an inventory tool for the US Bureau of Reclamation and has since been adapted to prioritize inspection efforts to direct attention to those dams which display more significant concerns for structural integrity. Inspection scheduling is now conducted according to a dam safety branch policy which utilizes a scoring index produced by the Failure Assessment Index tool.

With the completion of the hydrologic review of the spillways for Class 1 and Class 2 dams, progress continues toward correcting spillway deficiencies. The spillway at Marshall Lake Dam, (Water District 6) was enlarged and armored in 2008. A handful of dams have not yet reached compliance, but are in the process of design or construction.

The completion of the Extreme Precipitation Analysis Tool (EPAT) under the oversight of the Denver office has prompted the resumption of the spillway review process for evaluation of dams at higher elevations. This activity had been placed in abeyance a

number of years ago.



HYDROGRAPHY

Staffing

Division 1 has 6½ FTE for Hydrographic staff, comprised of 8 individuals: Bob Cooper (Lead PE II), Lee Cunning (PE I), Russell Stroud (EPS Tech III), Patrick Tyler (EPS Tech II), Mike Wild (EPS Tech II, South Park, ½ FTE), Bob Erosky (EPS Tech I, Sterling, ½ FTE), Devin Ridnour (EPS Tech I, Wray, ½ FTE) and a vacant full-time EPS Tech II position.

The Hydrographic staff was actually fully staffed for a period in 2008 – on paper. However, some of Patrick Tyler’s time in the first half of 2008 was devoted to the state Hydrographic program while his old position there was being filled. Also, a great deal of Russell Stroud’s time was taken up by IT matters due to the vacancy of our office IT professional position. In August, we returned to being short-staffed again, when Steve

Barrett left state service. That position was caught in the hiring freeze and remains vacant.

Division 1 one-half (½) FTE hydrographers are full time people who also have ½ FTE as water commissioners. The actual amount of hydro work varies. Mike Wild and Bob Erosky perform about 80% hydro work, while Devin Ridnour currently does about 20%. These men work from their homes or district offices.

They enter their measurements by logging in to our server, and make regular trips to Greeley to receive training and supervision for their streamflow records.

In addition to regular hydrographers, Division 1 received assistance from the following individuals: Mark Simpson, deputy in District 3, makings measurements and working records on transmountain gages; and Jana Ash from the Denver Office operating South Platte River gages involved with municipal water supply.

By employing hydrographer/deputy water commissioners who are based within a specific Water District, Division 1 saved on operational expenses. Full time Hydrographers also have found it efficient to use some degree of home-office and telecommuting. All-hands staff meetings are held once a month to keep up with everyone's efforts.

Gaging Station and Hydrographic Operations

There are a total of 269 gage stations covered by Division 1, including 60 (mostly USGS) sites where monitoring only is done. At 209 gages, Division 1 hydrographers are responsible for reported data accuracy, flow measurements, and updating the gage rating. Many cooperators are involved who maintain the gages, the telemetry equipment, or both. So in some cases, gage 'operation' involves only monitoring the data and making an occasional measurement or calibration visit. The number of gages where our staff is responsible for maintaining the gage itself, maintaining the satellite equipment, working a

published record, or conducting regular measurement and rating update activity is about 165. Lee Cunning is working with Tom Ley on a spreadsheet to identify the various factors (visit/measurement frequency, mileage, records, real-time data processing, etc) required at each gage that contributes to our workload.

Stream flow Measurements and Published Records

In water year 2008, Division 1 Hydrographers made 1,449 measurements, including 1,161 measurements for web-reported gages and approximately 288 measurements for local (non-telemetry) sites and training. A total of 79 stream flow records are being prepared.

New Gaging Stations

In 2008, Division 1 added 20 new gages to the Satellite Monitoring System through the South Platte Flow Monitoring Project.

This project is a cooperative venture between DWR, Northern Colorado WCD and Lower South Platte WCD. Cell phone telemetry was employed, rather than Satellite radio. Cell phone modems supplied and installed by NCWCD, who pay the monthly charges. The cell modems were connected to Sutron SDR recorders which were purchased by the DWR Hydrographic program and Lower South Platte WCD. Division 1 staff assisted with installing and programming the SDR units. Hourly data is retrieved by LSPWCD and moved between the 3 agencies websites to appear on the State DWR pages.



South Platte Flow Monitoring Project
Telemetry at the South Reservation Ditch

These new co-op gages have unique reporting. Discharge, rather than stage, is transmitted. The SDR recorders are programmed by our Hydrographers with stage-discharge rating equations or with stage-discharge tables developed from measurements. The latest measurement “shift” is also programmed into the SDR to refine the discharge reading. Shifts are not used by our traditional Satellite Monitoring System to calculate discharge, but summaries of measurements made are available on the web pages.

The cell phone telemetry set up used by the South Platte Flow Monitoring Project costs around \$2,000 and appears to offer significant savings over satellite radio equipment. The jury is still out on O & M costs and reliability.

Work also began on 4 new Satellite Monitoring gages which were funded by The South Platte Decision Support group of CWCB. These gages are South Platte River at Masters, South Platte River at Bijou Headgate, Springdale Ditch Return at Atwood, and Lodgepole Creek at Mouth at Ovid. Completion of these gages is anticipated for the 2009 irrigation season.



Installing Sheet Piling Control for Springdale
Ditch Return Gage

Gage Refurbishment Projects

Boulder Creek at Orodell. AC power was installed at Boulder Creek at Orodell to open the gage up earlier each spring. All the electrical work – the underground line from the pole to the gage, breaker boxes at the pole and gage, outlet and light wiring, permits, etc was done by hydrographer Patrick Tyler. His work saved us over \$3,000 from the contractor quotations.

North Fork of the Cache La Poudre below Seaman Reservoir. In the last few years we have made use of 70 lb. retaining wall bricks for several projects (a retaining wall for the Poudre Canyon gage, embankment steps for the South Platte at Atwood gage, a cableway platform for South Platte below Chatfield Reservoir). We continued using these blocks in 2008 with some erosion control and step work at our gage below Seaman. This approach will continue to save the state a great deal of money over contractor and machine time, as long as our backs hold up.

South Platte River at Henderson A 20'x15' metal building was put in next to our gage in the 1980's by the USGS for training and water quality. Over the years this building became dilapidated from vermin as well as birds. Patrick Tyler invested several days in tearing the wallboard, the insulation and

some of the shelving out – leaving a clean smelling and more hygienic building shell. In addition to USGS water samplers, the building now houses our bridge measurement crane and weights as well as our traffic control signs & cones. This allows us to respond more quickly to the short duration storm peaks seen at this gage.

Big Thompson River at the Mouth of the Canyon The mercury manometer was removed and replaced by a Sutron Constant Flow Bubbler. A new orifice line was installed in a new conduit attached to the stairs. The gage datum was verified for the wire weight gage. As a result of these efforts, the CFB accuracy proved excellent. The cableway attached to the highway guard rail was declared unreliable and unsafe and was removed. Experimental pulley arrangements for ADCP use were also tested.

South Platte River at Julesburg, Channel No. 1 The Sutron Accububbler was removed since it tended to freeze, and was replaced by a Sutron Constant Flow Bubbler unit. The new unit proved faulty and the old Accububbler was reinstalled. Eventually another CFB instrument was successfully installed and worked well in the winter months.

South Platte River at Julesburg, Channel No. 4 . Our gage had to be abandoned due to swampy conditions and tiny flows. We moved the DCP to a tributary drainage ditch and were able to record the majority of the small summer flows. However, every few years a storm peak causes significant river flow to spill over into Channel 4. Such high flows overtop the swampy conditions and are measurable. To record this flow we installed a new inlet pipe in the old gage and purchased an SDR recorder. During any high water periods, the SDR will be installed and the gage operated. Overall, this approach is more cost and labor effective than trying to relocate the gage.

High Data Rate DCP Upgrades

The multi-year program to upgrade our satellite telemetry to hourly reporting is nearly complete. Ten more state-owned High Data Rate Data Collection Platforms were installed in Division 1 in 2008. A total of 4 old units reporting at 4 hour intervals were left in Division 1. Three of these four were left in the field while we decided if the gages needed to be relocated. The fourth is a gage taken over from the USACE in 2008. In 2009, all upgrades to High Data Rate DCP's will be completed.

Training

Russell Stroud traveled to Portland Oregon in August to attend a week of USGS training in Streamflow Measurements using ADCP's. Lee Cunning, Patrick Tyler, and Russell Stroud attended a 3 day cableway inspection class held at the Denver Federal Center in September.

Miscellaneous Operations

Two of our gages ended up in the path of progress. A new bridge over Tarryall Creek is being built by the Federal Highway Authority. The new bridge will take out our gage below Tarryall Reservoir. Our gage below Cherry Creek Reservoir was rendered inoperable by improvements being made on the concrete spillway being used as our control. We discovered this when contractors for the Urban Drainage and Flood Control District called us to complain that the flow had raised – and our gage was showing a drop. In both cases the agencies involved accepted responsibility to replace or repair our gage. We paid in time and trouble however, since detailed drawings and specifications had to be provided for use in contractor bids for the necessary work.

Chatfield Reservoir accounting issues were resolved to some degree by increased measurement frequency and extensive check measurements with the ADCP. Denver

Water ended up being charged a conveyance loss for the reach between Strontia Springs Reservoir and Chatfield. Denver Water turned their attention to low flows in that reach, and enlisted our advice on how to turn an old headgate dam into a measurement structure. Based on our recommendations, Denver is raising the dam (at some expense) and creating a low flow notch for a critical head measurement. Denver has also agreed in principle to contract with DWR for measurement and operation services for the new gage they will install.

Our liaison with the USBR CBT project took a critical turn when the USBR hydrographer Mark Heneburg took another job and was not replaced. This leaves our technician Russell Stroud as the only person in either organization that is familiar with the variety of equipment installed in the various USBR gages. Fortunately, the USBR engineers seem to be willing to accept his direction in matters involving instrumentation and water measurement. Russell was also involved in many aspects of DWR hydrographic software testing, including the effects on our records spreadsheet by the transition to MS Office 2007.

Our work completing the new gage at South Platte River at Masters, funded by CWCB South Platte Decision Support, was delayed by CDOW for 8 months to allow Bald Eagle nesting near the gage site. We used the time to acquire a used but serviceable metal shelter from the USGS in Pueblo through the assistance of Division 2 Hydrographers.

Division 1 Hydrographic staff evaluated more than 60 measurement structures in water year 2008, but we do not have exact numbers because we lack a standard form to record our observations. Our prototype forms would key to structure ID. Discussions are ongoing with the DWR IT branch for a data base design that could store our rating measurements as well as our evaluation notes for measurement structures.

Acoustic Doppler Current Profiler (ADCP) use in Division One (WY 2008)

Late last year a RD-Instruments 2000KHz StreamPro Acoustic Doppler Current Profiler (ADCP) was purchased by Tom Ley, Chief of Hydrography and Satellite Monitoring, for use by hydrographers in the South Platte Basin, bumping the statewide total of StreamPro ADCPs to three (Montrose, Alamosa, Greeley). In the 2008 Water Year, approximately 70 ADCP measurements were performed in Division One.

Russell Stroud was required to complete a week long training secession from the United States Geologic Survey (USGS) in order to become certified as an ADCP user. Currently, Russell is the only Division One staff member certified to perform and review ADCP measurements.

Initially, use of the ADCP consisted mainly of providing confirmatory measurements to traditional current meter measurements made by other hydrographers at critical gageing sites as well as potentially contentious locations. Some of these sites include South Platte River Below Strontia Springs Reservoir (PLASTRICO); South Platte River at Waterton, CO (PLAWATCO); Fulton Ditch Near Thornton, CO (FULDITCO); and Burlington-Wellington Canal at Commerce City, CO (BURCANCO).

One example of the ADCP's confirmatory use this year occurred in the Waterton Canyon system. The Waterton Canyon system involves three State operated stream gages, two reservoirs, and several diversions of differing magnitude. In WY 2007 significant resources were employed to pin down the cause of the imbalance and greater than expected losses delivering water within this system. However, no mechanism was identified to account for the losses experienced due do to unresolved questions regarding measurement quality, measurement methodology as well as

measurement structure performance employed at that time.



ADCP measurement alongside a Current Meter measurement made by Patrick Tyler at South Platte River at Waterton, CO (PLAWATCO)

This year with use of the ADCP, current meter measurements were either followed or made concurrently with ADCP discharge measurements. Measurements made with both instruments were well within allowable tolerances, often computing a total discharge within one cfs of one another using various current meter techniques including wading, manned cableway use and bank operated cableways.

Although, the mechanism causing imbalance and unexpected transit losses in the Waterton Canyon system has not been identified; measurement error and variances in measurement technique have been ruled out.

In addition to providing confirmatory measurements, the ADCP has been used in situations where gaining a traditional discharge measurement would be difficult or impractical, such as BURCANCO. BURCANCO is a large structure and at higher discharge rates wading measurements would be impossible and potentially dangerous due to depths in the channel and the water velocity. In addition to the depths and velocity encountered, BURCANCO's operational regime can cause significant changes in stage to occur in a short amount of time, further compounding traditional

measurement techniques previously employed upstream at a nearby bridge.

The ADCP was deployed at BURCANCO in April and June of 2008 to help in a rating confirmation effort at the canal. On June 6, 2008 two ADCP measurements were made spanning a 0.25 foot change in stage in a matter of minutes. Our confidence in the measurements was high as the ADCP was able to complete a valid discharge measurement before the stage changed significantly in both occurrences; thus, providing much needed information regarding the structures performance and administrative information required by the Water Commissioner (Scott Edgar) at that time. Traditional Current Meter techniques would have necessitated a greater period of time to perform and the change in stage would have been significantly greater. Thus, more ambiguity and uncertainty would have existed in the discharge measurement and another opportunity to measure flow at this rate would have to be watched for.



ADCP deployed at BURCANCO June 6, 2008

Although, the ADCP has proven itself as a trustworthy measurement tool, providing much needed information in a timely fashion and adding to our arsenal of measurement tools and techniques, it does have several significant limitations, some of which have been surprising.

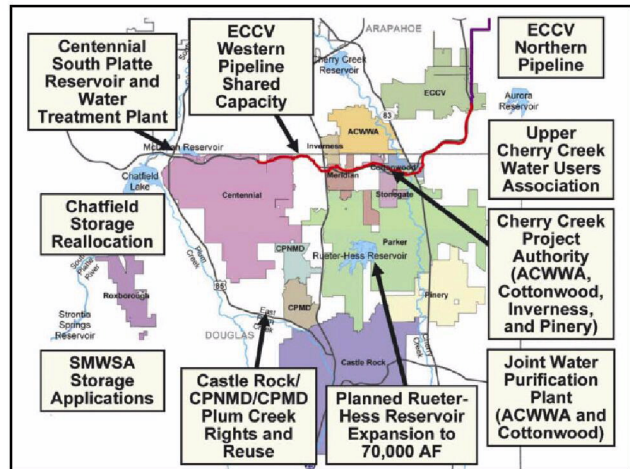
The most notable surprise came after deploying the ADCP at several locations along the Big Thompson River where it was hoped that it would provide high water measurement relief especially at the Big

Thompson River at Canyon Mouth (BTCANYCO) gage. Unfortunately, the ADCP could not handle the turbulent waters of the Big Thompson; where some causes for the ADCP's failures include excessive air entrainment, turbulent water and irregular channel sub-straight.



ADCP deployed at Big Thompson River at Canyon Mouth

& Sanitation District, Meridian Metropolitan District, Parker Water & Sanitation District, Pinery Water & Wastewater District, Roxborough Park Metropolitan District, Stonegate Village Metropolitan District, and the Town of Castle Rock.



Other limitations that have directed use or disuse of the ADCP throughout the South Platte Basin include: submerged vegetative growth; algal growth, excessive moving beds; site practicability / deployment logistic; technological limitations and concerns of loss or damage to the ADCP.

FRONT RANGE WATER SUPPLY DEVELOPMENT

South Metro Water Supply Authority

The South Metro Water Supply Authority (SMWSA) was formed in 2004 as a collaborative effort of water suppliers in the South Metro Denver Area to work together in providing long term renewable resources for their communities. South Metro Water members include Arapahoe County Water & Wastewater Authority, Castle Pines Metropolitan District, Castle Pines North Metropolitan District, Centennial Water & Sanitation District, Cottonwood Water & Sanitation District, East Cherry Creek Valley Water & Sanitation District, Inverness Water

In 2007, SMWSA funded and directed a regional water master plan that outlines the transition from nonrenewable bedrock groundwater supplies from the Denver Basin to sustainable and more economical surface sources. Released in June and available at www.SouthMetroWater.org, the 128-page master plan represents a collaborative and comprehensive effort of all 13 members to acquire long-term sustainable water supplies now and into the future. The plan will provide a permanent and economical solution to reduce the south metro area's dependency on ground water while expanding the role of renewable water supplies. Aligned with the master plans of Douglas and Arapahoe Counties, the South Metro master plan is a roadmap to maximize the use of existing infrastructure, to partner with other water entities for new water sources, to lease or acquire water rights and to establish structural projects for a more sustainable supply.

Organization members have collectively funded nearly \$350 million in projects that support the area's water resources and supply. In 2008, SMWSA continued to be involved in several storage projects such as: 1) the Rueter-Hess Reservoir expansion, 2)

Centennial's South Platte Reservoir which started operations in February of 2008, and 3) the reallocation of storage space in Chatfield Reservoir. SMWSA also continues its involvement with the East Cherry Creek Valley (ECCV) Northern Project, which includes a pipeline that conveys water from the Beebe Draw near Barr Lake to ECCV's storage tanks near Smoky Hill Road and E-470.

SMWSA also continues its involvement in the three-year Rural-Urban Water Model Study with Parker Water & Sanitation District and Colorado State University, which will be used in both agricultural and urban water policy development. Through ECCV, SMWSA is also involved in a zero-liquid discharge pilot study, which uses reverse osmosis to treat water to remove hardness and total dissolved solids while minimizing the amount of concentrate that needs to be discharged. Results of the study (partially funded by a Colorado Water Conservation Board grant) will be used to address the best way to treat the concentrate waste stream from reverse-osmosis treatment and will benefit other Front Range water providers that need this level of treatment.

To help fulfill one of SMWSA's current and long-term objectives of maximizing the efficient use of water resources, SMWSA is participating in a reuse project known as the Lone Tree Creek Water Reuse Facility. This facility is a \$29 million project by Arapahoe County Water and Wastewater Authority, Cottonwood Water and Sanitation District and Inverness Water and Sanitation District that treats and distributes "recycled" water. It will be used in conjunction with the Joint Water Purification Plant (slated for completion in late 2009); thereby giving proximate providers the capability to reuse 100 percent of the supply.

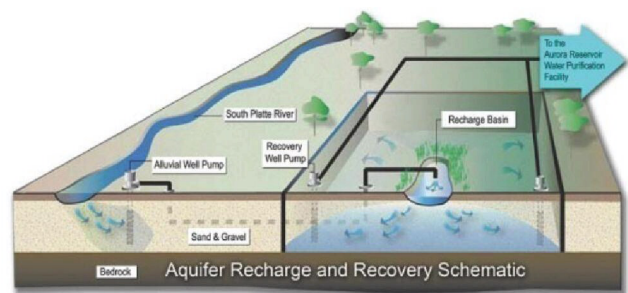
Also in 2008, the Denver Metro Water Roundtable awarded SMWSA a \$100,500 grant to conduct a regional aquifer storage and recovery (ASR) study, including conjunctive use of surface and groundwater, as well as optimizing aquifer use. SMWSA hopes to expand Centennial Water and Sanitation District's ASR program through

this grant, which was funded by the State of Colorado under House Bill 1400.

SMWSA is also working with the Rural Water Authority of Douglas County, established in October of 2008, which assists in the development of water supplies for residents in unincorporated Douglas County.

Aurora's Prairie Waters Project

A critical element of the City of Aurora's plan for a sustainable water supply is their \$750 million water reuse project called Prairie Waters. After evaluating 54 possible projects, Aurora Water selected the Prairie Waters Project as the recommended strategy for providing a reliable, high quality water supply to the city. The project emerged as the most cost-effective, environmentally friendly and immediate way to meet the city's water needs.



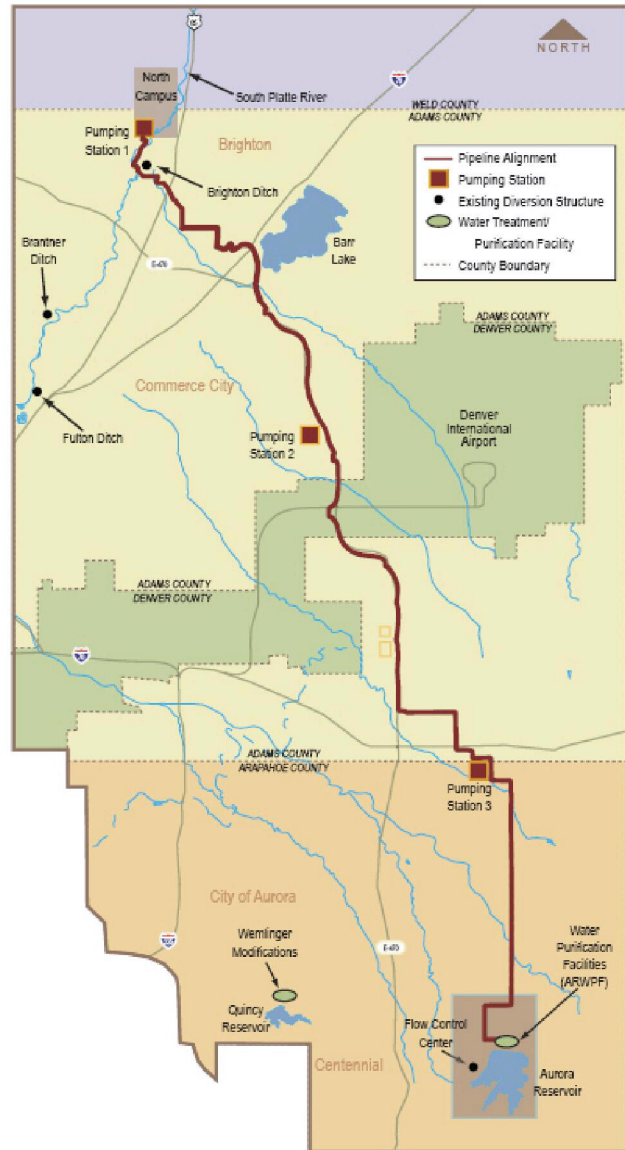
The Prairie Waters Project begins at the North Campus, which is located along the South Platte River in north Adams and south Weld counties. Water that the City of Aurora already owns is indirectly diverted from the South Platte River by wells along the river's bank. The wells slowly pull the water through the riverbank during a process known as riverbank filtration. Following this initial stage, water is then pumped into protected aquifer recharge and recovery basins (see schematic above). While in these basins, the water further percolates through the area's natural sand and gravel, resulting in additional natural purification. After the innovative natural purification process, the

water will be pumped through collector wells. Approximately 34 miles of buried pipeline will be installed to transport the naturally purified water from the North Campus to a planned purification facility near the Aurora Reservoir. The pipeline will begin near the City of Brighton in Adams County, continue southeast along the E-470 corridor and end in the City of Aurora (see map below). Measuring approximately 60 inches in diameter, the pipeline has the capacity to deliver up to 50 million gallons of water per day. The City of Aurora will construct three pumping stations strategically placed along the alignment to allow water to be pumped through the next segment of pipeline. Changes in elevation along the route to Aurora make the pump stations a vital part of the program so that the water can move efficiently through the conveyance pipeline.

The proposed Aurora Reservoir Water Purification Facility located on an 80-acre site north of the Aurora Reservoir will treat the water before it is mixed into the city's regular distribution system. Workers at the Aurora Reservoir Water Purification Facility (ARWPF) received a special delivery in January, 2009 as a convoy of semis began arriving at the site with ultraviolet disinfection generators and associated equipment for the new treatment plant. The deliveries marked a significant milestone for the project as a major component for the facility's water treatment is now at the site. Work at the ARWPF at the site was more than 68 percent complete as of the writing of this report.

Overall, the project—which includes the North Campus for natural purification, three pump stations, 34-miles of pipeline, and the ARWPF—is now 43 percent complete with construction.

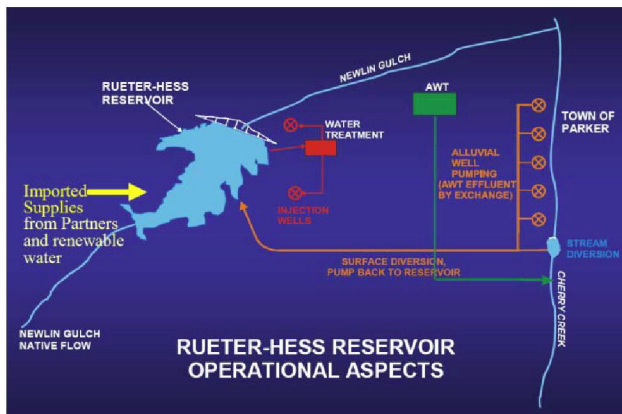
The Prairie Waters Project is expected to increase Aurora's water supply by 20 percent by reusing water the city already owns. It will deliver up to 10,000 acre feet of water to Aurora homes and businesses by 2010 and up to 15,000 acre feet by 2012 and is projected to provide enough additional water to meet the city's demands into the 2020s.



Rueter-Hess Reservoir Project

Due to a projected long-term water supply shortfall, the Parker Water and Sanitation District (PWSD) began planning for Rueter-Hess Reservoir in 1985. As a component to a major water management project for Parker, Rueter-Hess will, presumably, help to lessen reliance on non-renewable ground water supplies and provide a source of supply during years of drought. The reservoir will store surface water in high water years from Newlin Gulch and Cherry Creek. In addition, it will serve to

extend the life of PWSD's nonrenewable underground water supplies diverted from the Denver Basin aquifers by storing surplus reusable ground water being released from two advanced waste water treatment (AWT) plants and re-injecting storage water back into the aquifers during non-peak demand. The following diagram portrays the Rueter-Hess Reservoir operational aspects:



The reservoir is located about three miles southwest of downtown Parker on Newlin Gulch, which is a tributary of Cherry Creek. Construction of Rueter-Hess was authorized by a Federal 404 permit issued by the United States Army Corp of Engineers in February 2004 with construction beginning that summer. Since that time, surrounding water providers have requested to participate in an enlarged version of Rueter-Hess to expand this reservoir from 16,200 acre feet to 70,000 acre feet. The dam will rise 196 feet when the enlargement is complete and the reservoir will encompass 1126 acres, which is about one and a third times the size of Cherry Creek Reservoir.



Permitting of the enlargement was started in

April 2005 with approval of the enlargement granted in April 2008. Completion of the entire Rueter-Hess Project is expected in late 2010 with filling of the reservoir anticipated in Spring 2011.

Gross Reservoir Enlargement

As part of its overall plan for the future, Denver Water is proposing to enlarge Gross Reservoir to help resolve three major problems: a future water supply shortfall, the risk of running out of water in Gross and Ralston reservoirs in a future drought and an imbalance in the utility's water collection system, as 80% of supply comes from the south system.

Gross Reservoir is part of the Moffat Collection System and receives water from the Fraser River through the Moffat Tunnel. The reservoir stands 340 feet above the South Boulder Creek streambed. The reservoir's current storage capacity is 41,811 acre-feet (seen at full capacity below).



Denver Water needs an additional 18,000 acre-feet of firm yield in its Moffat Collection System for its customers. Approximately 72,000 acre-feet of reservoir storage would provide 18,000 acre-feet of firm yield.

In June of 2008, Denver Water released its Pre-Application Document (PAD). This is the next step in the process to apply for an amendment to its license with the Federal Energy Regulatory Commission (FERC) for the proposed increased dam size, the expansion of the current FERC project boundary, modifications to the hydroelectric

power facilities and relocation of existing recreation facilities.

The U.S. Army Corps of Engineers is now preparing the Environmental Impact Statement (EIS) to study the impacts of each proposed project alternative.

Interbasin Compact Committee (IBCC) – Colorado Water for the 21st Century

The Colorado Water for the 21st Century Act sets up a framework that provides a permanent forum for broad-based water discussions. It creates two new structures: 1) The Interbasin Compact Committee (IBCC), a state-wide committee that will address issues between basins; and 2) The Basin Roundtables. Division 1 staff and the State Engineer have participated as support to two Roundtables – the South Platte basin and the Denver Metro Area roundtable.

Division 1 in cooperation with NCWCD and LSPWCD were able to secure \$48,800 from the South Platte Roundtable for purchase of data loggers and telemetry equipment. The equipment was installed on diversion and return flow structures along the South Platte river and its tributaries, increasing the availability of near real time flow information on the Internet.

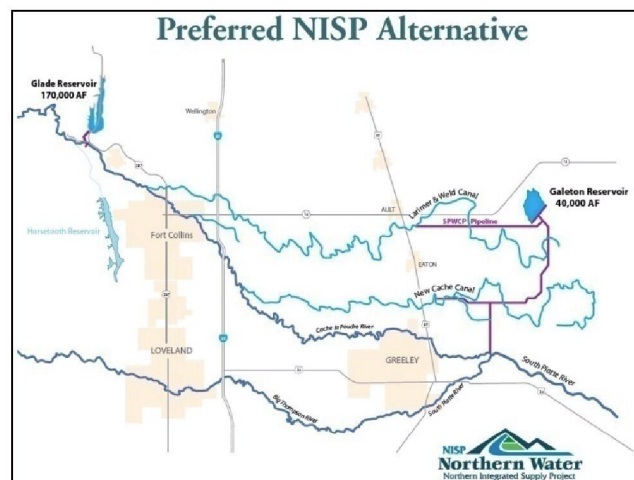
All funding approvals by the Roundtable were also confirmed by the Water Conservation Board prior to funding being made available.

In addition to funding projects, the Roundtables have been involved in developing water needs assessments in each basin and in discussions with each other at certain times to examine the feasibility and advisability of projects which impact more than one basin.

Northern Integrated Supply Project (NISP)

Northern Colorado Water Conservancy District (NCWCD) in conjunction with northern Front Range municipalities and water districts (the Districts) created the Northern Integrated Supply Project (NISP) to evaluate ways of increasing the quantity and reliability of the Districts' water supplies in order to help meet future projected demand. The goal of this regional project is to provide 15 towns and communities in Larimer, Weld and Boulder Counties with up to 40,000 acre-feet annually of new reliable municipal water supply to help meet a portion of their near and longer term needs.

After examining hundreds of alternatives within the South Platte, St. Vrain, Big Thompson, and Cache la Poudre watersheds in 2003, NCWCD and the Districts agreed to a combination of Glade Reservoir and the South Platte Water Conservation Project's proposed Galeton Reservoir. In addition to the proposed reservoirs, the plan includes a pumping facility, a pipeline to deliver water for exchange with two irrigation companies, and needed improvements to an existing canal to fill Glade Reservoir.



The proposed location of Glade Reservoir is about a mile north of the junction of US Highway 287 and CO Highway 14, northwest of Fort Collins. Construction of Glade

Reservoir requires the realignment of Highway 287. With a proposed 170,000 acre-foot capacity, Glade Reservoir will be slightly larger than Horsetooth Reservoir. The South Platte Water Conservation Project will pump winter and spring flows from an existing structure on the South Platte River into the proposed Galeton Reservoir located five miles northeast of Galeton.



Aerial view of the proposed Glade Reservoir site

In April of 2008, the U.S. Army Corps of Engineers (Corps) released a draft Environmental Impact Statement (EIS) for this project followed by a public comment period ending on September 13, 2008, which generated over 2000 comments. Based on these comments, the Corps has decided to prepare a Supplemental Draft Environmental Impact Statement to evaluate NISP's potential impact on the environment. Due out in 2010, it will provide additional detail on potentially affected resources, particularly the Poudre River. Supplemental studies are often required following the release of a draft EIS for major municipal infrastructure projects like NISP.

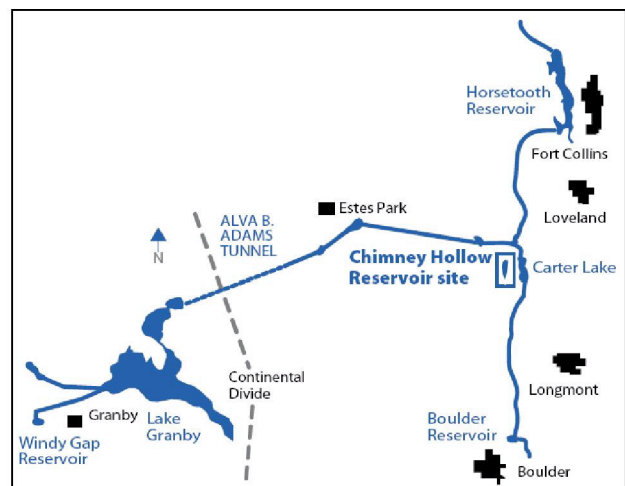
Windy Gap Firming Project (WGFP)

Chimney Hollow Reservoir

In 1985, Northern Colorado Water Conservancy District finished constructing the Windy Gap Project near Granby, Colorado. Windy Gap diverts water from the Colorado River to the Front Range via the federal Colorado-Big Thompson Project on a space-available basis. During wet years when water is available for pumping at Windy

Gap, Lake Granby is often full with little or no capacity for Windy Gap water. The Windy Gap Firming Project (WGFP) was proposed to ensure more reliable future deliveries to Front Range and West Slope communities and industries from the existing Windy Gap Project and existing Windy Gap water rights. The WGFP would add water storage and related facilities to the existing Windy Gap operations capable of delivering a firm annual yield of about 30,000 acre-feet to WGFP Participants.

After evaluating several potential alternatives for the Windy Gap Firming Project, NCWCD on behalf of WGFP Participants is proposing to construct the 90,000 acre-foot Chimney Hollow Reservoir, which would be located just west of the existing Carter Lake Reservoir (see map).



To build Chimney Hollow Reservoir, NCWCD must first obtain permission from the federal government via the U.S. Bureau of Reclamation (Reclamation). To comply with the National Environmental Policy Act, Reclamation must complete an extensive Environmental Impact Statement (EIS) before it decides whether to grant permission for the project. The EIS analyzes and compares the environmental impacts of Chimney Hollow Reservoir as well as three other alternatives for making the project a reality.

In August 2008, the U.S. Bureau of Reclamation released a draft EIS for Windy Gap Firming Project/Chimney Hollow

Reservoir, followed by a public comment period that ended on Dec. 29, 2008. There were two public hearings on the draft EIS in early October, 2008. Reclamation is currently reviewing comments received during the public comment period and is taking them into consideration as it prepares the final EIS due out in late 2009. The final EIS will indicate whether or not the Reclamation will issue a permit for the Windy Gap Firming Project/Chimney Hollow Reservoir. If a permit is issued, project design is expected to take two years and construction will occur over an additional three to four year period.

PLATTE RIVER ENDANGERED SPECIES RECOVERY PROGRAM

The United States Fish and Wildlife Service (USFWS) listed the whooping crane, piping plover, least tern, and pallid sturgeon under the federal Endangered Species Act. The USFWS also designated critical habitat for the whooping crane pursuant to the Endangered Species Act. These species, and the designated critical habitat, are located in the Central Platte Region of the State of Nebraska. In response to this, the Governors of the States of Colorado, Nebraska, and Wyoming signed an agreement in 1997 with the Department of Interior to improve and/or study the habitat of these four endangered species in the Central Platte River in Nebraska. As a result of these studies, the parties developed a proposed Platte River Recovery Implementation Program.

The Bureau of Reclamation issued a Final Environmental Impact Statement, and the U.S.F.W.S. issued a final Biological Opinion, analyzing the Platte River Recovery Implementation Program ("Program"). The Governors of Wyoming, Colorado and Nebraska, along with the Secretary of the Interior signed the Platte River Recovery Implementation Program Agreement (Agreement) in 2006. Federal authorization legislation was approved in the House in

2007. Participants are awaiting consideration of similar legislation in the Senate.

Work under the program has been done to start adaptive management and to develop a centralized and integrated database management system to monitor the whooping cranes as well as other threatened and endangered species. Future work includes a water stage study of the Lower Platte River, a study of the North Platte channel capacity, and a water management study to analyze the routing and timing of pulses from Lake McConaughy. Dr. Jerry Kenny is the executive director for the Platte River Recovery Implementation Program, replacing Dale Strickland. Dr. Kenny has set up an office in Kearney, Nebraska.

Colorado's Obligations

Colorado has obligations to provide money and water for implementation of the Program. Colorado is responsible for \$24 million (2005 dollars, final cash contributions would have to be adjusted for inflation). This money will be used to acquire water and restore habitat for the target species. Additional money would be necessary to satisfy Colorado's water obligations, as described below. With regard to Colorado's cash obligation, the General Assembly passed House Bill 1311, which recapitalized the Species Conservation Trust Fund with an additional \$12.8 million, and which authorized the expenditure of up to \$5 million for the Platte River Program in fiscal year 2006-07. Colorado's water obligations would include: 1) 10,000 acre-feet annually to be retimed during times of target flow shortages by the end of year 4 of the Program (5,000 acre-feet by the end of year 2 of the Program) (often referred to as "Tamarack I"); and, 2) water to cover future depletions related to the South Platte River (new depletions from 1997 established as a baseline), which is approximately 1,800 acre-feet/year of water per 100,000 additional people in the South Platte River Basin in Colorado, retimed during times of target flow shortages.

With regard to Tamarack I, Colorado has approximately \$2 million authorized for a new position with the Division of Wildlife and satisfying this water obligation through drilling and operating wells and recharge pits to retine water. Hopefully, another 7.5 million will be been made available toward meeting Colorado's 24 million dollar obligation through Colorado's Species Conservation Trust Fund. This project is expected to net approximately 4,200 acre-feet annually towards Colorado's 10,000 acre-feet annual requirement. Colorado will need additional water projects or leases and money to fully satisfy our 10,000 acre-feet annual obligation, as well as the future depletions associated with growth in the South Platte River Basin within Colorado.

A new non-profit organization has been formed to help satisfy the Platte River Program responsibilities, to the extent that the State is unable to fully meet these obligations. This organization is called the South Platte Water Related Activities Program ("SPWRAP"). The State and SPWRAP have developed an MOU to define responsibilities and roles regarding the financial, water, and accounting obligations associated with the Program. SPWRAP obtains its funds from its water users. SPWRAP members will receive streamlined approvals through coordination with the State, from the FWS.

The Division 1 staff has and will continue to assist SPWRAP and the State of Colorado in meeting the obligations of the Program. In this regard, Jim Hall is an acting member on the Water Advisory Committee. Of note, assistance will be technical as the program specifically will not include administration of water such that it reaches the Endangered Species Reach in Nebraska. Water which reaches the endangered species will be that which exceeds the demands of users in Colorado.

In April, 2008 the US congress passed legislation authorizing the federal government to participate in the program. The budget is in a continuing resolution and the program may have to compete for the funds among various

recovery programs. Currently the PRRIP has about 2,700 acres of habitat under the PRRIP and needs 10,000 acres of land by end of the first increment.. The water credited to the program amounts to 80,000 acre-feet, and includes Tamarack (Colorado), Lake McConaughy (Nebraska) and Three Bricks (Wyoming). Another 70,000 acre-feet needs to be secured. SPWRAP is busy finalizing agreements between landowners and state agencies regarding recharge projects. A new threat is phragmites, an invasive aquatic reed in the Platte River that now could impede the ability to send flushing flows to the habitat.

PERSONNEL/WORKLOAD

Hiring Freeze Impacts

The nation and Colorado experienced a significant overall economic downturn in the last half of Irrigation Year 2008 which resulted in a large drop in revenue for the State of Colorado. Because the Colorado Constitution requires operation on a balanced budget, the State of Colorado was forced to institute a hiring freeze on October 1, 2008. This hiring freeze affected all positions vacant on October 1 and any positions which become vacant after October 1. The only exemptions allowed from the freeze required specific approval from the Governor's Office. Only three positions related to Division 1 received freeze exemptions, as discussed in the Republican River Basin section of this report.

Unfortunately, when the hiring freeze was implemented Division 1 had four vacant positions: one full-time Hydrographer position; one full-time Deputy Well Commissioner position; one full-time Deputy Water Commissioner position; and our General Technician/Receptionist position. Division 1 has adjusted to these vacancies as well as vacancies that occurred after the end of the 2008 Irrigation Year by a combination of: A) determining both the mission critical and needed/required, but noncritical, duties of the vacant positions; B) determining which filled positions were best suited to performing

the vacant position mission critical duties; C) determining both the mission critical and needed/required, but noncritical, duties of the filled positions; D) reassigning duties within filled positions to assure that all mission critical duties and as many noncritical needed/required duties as possible could be done within existing resources. In some cases, such as with the vacant Hydrographer position, this required asking employees not eligible for overtime to take on additional stream flow measurements and gage maintenance and/or adjusting the gage opening, closing, and maintenance visit schedules. In other cases, such as with the vacant Deputy Well Commissioner position, it required a lengthening of task accomplishment timelines or, as with the vacant General Technician/Receptionist position, an adjustment of work schedules/duties to provide un-interrupted service to the public.

Another impact of the hiring freeze has been to delay the promulgation and implementation of Well Measurement Rules for the South Platte River basin. Division 1 originally intended to promulgate measurement rules to become effective in Irrigation Year 2010, but because of the hiring freeze this has been pushed out to Irrigation Year 2011.

Personnel Changes

Irrigation Year 2008 saw what appears to be the end of adding more employees to address the increased water administration needs of Division 1. This was due to a combination of no new or increased water administration requirements and the hiring freeze previously discussed. The following is a more or less chronological summary of the personnel changes in Irrigation Year 2008.

Devin Ridnour started November 5, 2007 as a full time combination Hydrographer/ Deputy Water Commissioner working primarily in the Republican River basin and the lower end of the South Platte River. Devin previously worked for YW Well Testing Service in Wray, Colorado.

Caren Aguilar started in the newly created position as the Division 1 Augmentation Plan Operations Specialist on November 13, 2007.

Caren previously worked for the Central Colorado Water Conservancy District as their Water Accountant where she created and maintained the water accounting for two well augmentation plans covering approximately 1,200 large capacity wells.

In February 2008, Scott Edgar transferred into the Metro Area Water Commissioner position vacated by Robert Stahl when he transferred to the Division 1 Municipal Water Operations Specialist position in October 2007. Scott started working for Division 1 in May 2000 as a Deputy Water Commissioner in Water District 5. Scott then became the Water Commissioner for Water District 5 in December 2001.

Shera Sumerford was selected as the new District 5 Water Commissioner in March 2008 after Scott Edgar's transfer. Shera started working for Water Division 1 in May 2000 as a temporary Well Inspection Deputy in Water District 2. She then became a full-time Deputy Water Commissioner in Water District 2 in January 2001. Shera moved to become a Deputy Water Commissioner/Hydrographer for Water Districts 2 and 4 in June 2003 before shifting back to become the Deputy Water Commissioner in Water District 2 in October 2004.

William Elvis Cunningham resigned as the Well Accounting Coordinator in May 2008 to join the U.S. Army to become an Imagery Analyst. Elvis was hired as a full-time Deputy Well Commissioner in July 2006 and became the Well Accounting Coordinator in May 2007. Elvis had received his BS in Geography/GIS from UNC in May 2006.

Louis Flink transferred to the Division 1 Tabulation and Diversion Records Coordinator position in June 2008. Louis started with Division 1 in June 2004 in the newly created position of Well Administration Coordinator, which eventually became the Well Accounting Coordinator position. Louis then became the Lead Well Commissioner in November 2006.

Jason Smith transferred to the Lead Well Commissioner position in July 2008. Jason was hired as a full time Deputy Water Commissioner for Districts 1 and 64 in June 2006 and advanced to the Lead Deputy Water Commissioner for Districts 1 and 64 in August 2007. Jason grew up on a farm near Troy, Idaho, and received his BS in Geography/GIS from UNC in August 2006.

George Roark transferred to the Water District 2 Deputy Water Commissioner position in July 2008. George joined the Division 1 staff as a Deputy Well Commissioner in May 2007. He has a BS in Geography/GIS from UNC.

Steve Barrett resigned as a full-time Hydrographer in August 2008 to join HRS Water Consultants. Steve originally worked for Water Division 7 during the 1999 and 2000 irrigation seasons as a Deputy Water Commissioner. He became a Well Permitting Technician in the Denver office in February 2001 and transferred to become a Hydrographer/Deputy Water Commissioner in Water District 7 in February 2004. Steve then became a full time Hydrographer for Division 1 in June 2006.

Dawn Ewing transferred to the Well Accounting Coordinator position in September 2008. Dawn became the Division 1 Receptionist in June 2000. As her skills and knowledge grew, she was promoted to a General Technician in August 2004.

Elizabeth Baily was hired on September 30, 2008 as an IT Professional to fill the vacancy created by David "Duke" Ellington's resignation in 2007. She will be responsible for providing our office with programming and database support for water rights administration and developing database tools for well enforcement. Beth came to us from Colorado Department of Transportation where she was a GIS data analyst.

in both Water Districts 49 and 65 (Republican River basin). Dave was selected because of the pro-active and professional way he has dealt with the significant changes in the Republican River basin. As detailed more thoroughly in a separate section of this and previous reports, the water issues facing this basin have gone from almost non-existent to monumental in the last six years. Even though he was only hired in March 2006, Dave has taken the lead on both seeking and finding partial or full solutions to the complex inter and intra state issues that he has encountered in the basin.

Russell Stroud also deserves recognition for his technical expertise and dedication to Water Division 1. Even though he had a full work load as a Hydrographer, he willingly accepted additional IT duties on a temporary basis in the fall of 2007 and continued in that role for over a year until Beth Baily was hired.

Russell has gone well above and beyond the call of duty on several occasions when IT problems kept him at the office well into the night or weekend. His willingness to take on this additional workload to keep Division 1 functioning when it would otherwise have been reduced to only old fashioned pencil and paper is greatly appreciated.

Brent Schantz also deserves recognition for the "outside the box" approach he has taken to finding solutions to new problems and the proactive way he has sought to promote understanding between different groups of water users. Part of this proactive approach has been to organize and promote tours to get water users outside of their normal areas to see what is happening in other areas and show water users that both up-stream and down-stream users are being treated the same.

Employee Recognition

The Division 1 Water Commissioner of the Year for 2008 was Dave Keeler. Dave is the Lead Water Commissioner

SOUTH PLATTE RIVER BASIN
Reservoir Storage (1000 AF) - End of January

RESERVOIR	USABLE CAPACITY	USABLE STORAGE		
		THIS YEAR	LAST YEAR	AVERAGE
ANTERO	19.9	19.9	17.0	16.4
BARR LAKE	30.1	25.9	23.1	24.0
BLACK HOLLOW	6.5	2.2	2.3	3.9
BOYD LAKE	44.0	20.7	12.8	32.1
BUTTON ROCK	16.2	14.4	15.2	13.0
CACHE LA POUUDRE	10.1	5.7	3.6	7.2
CARTER	108.9	15.2	28.5	84.6
CHAMBERS LAKE	8.8	1.8	2.0	3.0
CHEESMAN	79.0	68.7	72.7	59.7
COBB LAKE	22.3	2.8	3.4	13.9
ELEVEN MILE	98.0	99.2	99.8	95.9
EMPIRE	36.5	13.4	13.1	22.8
FOSSIL CREEK	11.1	3.8	7.6	6.8
GROSS	42.0	29.9	23.7	26.0
HALLIGAN	6.4	3.7	3.8	4.3
HORSECREEK	14.7	13.8	7.5	11.6
HORSETOOTH	149.7	108.4	100.2	99.0
JACKSON	26.1	24.0	19.4	26.1
JULESBURG	20.5	16.2	17.6	18.8
LAKE LOVELAND	14.0	11.4	10.9	8.7
LONE TREE	9.0	6.8	5.8	6.4
MARIANO	6.0	1.5	3.9	4.2
MARSHALL	10.0	4.8	4.2	5.1
MARSTON	13.0	8.5	9.3	12.8
MILTON	23.5	18.0	14.1	15.5
POINT OF ROCKS	70.6	45.1	30.9	57.0
PREWITT	28.2	22.2	6.1	19.3
RIVERSIDE	55.8	42.5	36.7	41.7
SPINNEY MOUNTAIN	49.0	36.1	31.7	33.3
STANDLEY	42.0	37.7	40.0	33.1
TERRY LAKE	8.0	5.8	5.7	5.3
UNION	13.0	11.9	8.1	10.6
WINDSOR	15.2	9.7	1.3	10.8

Information taken from Colorado Basin Outlook Report, February 1, 2009

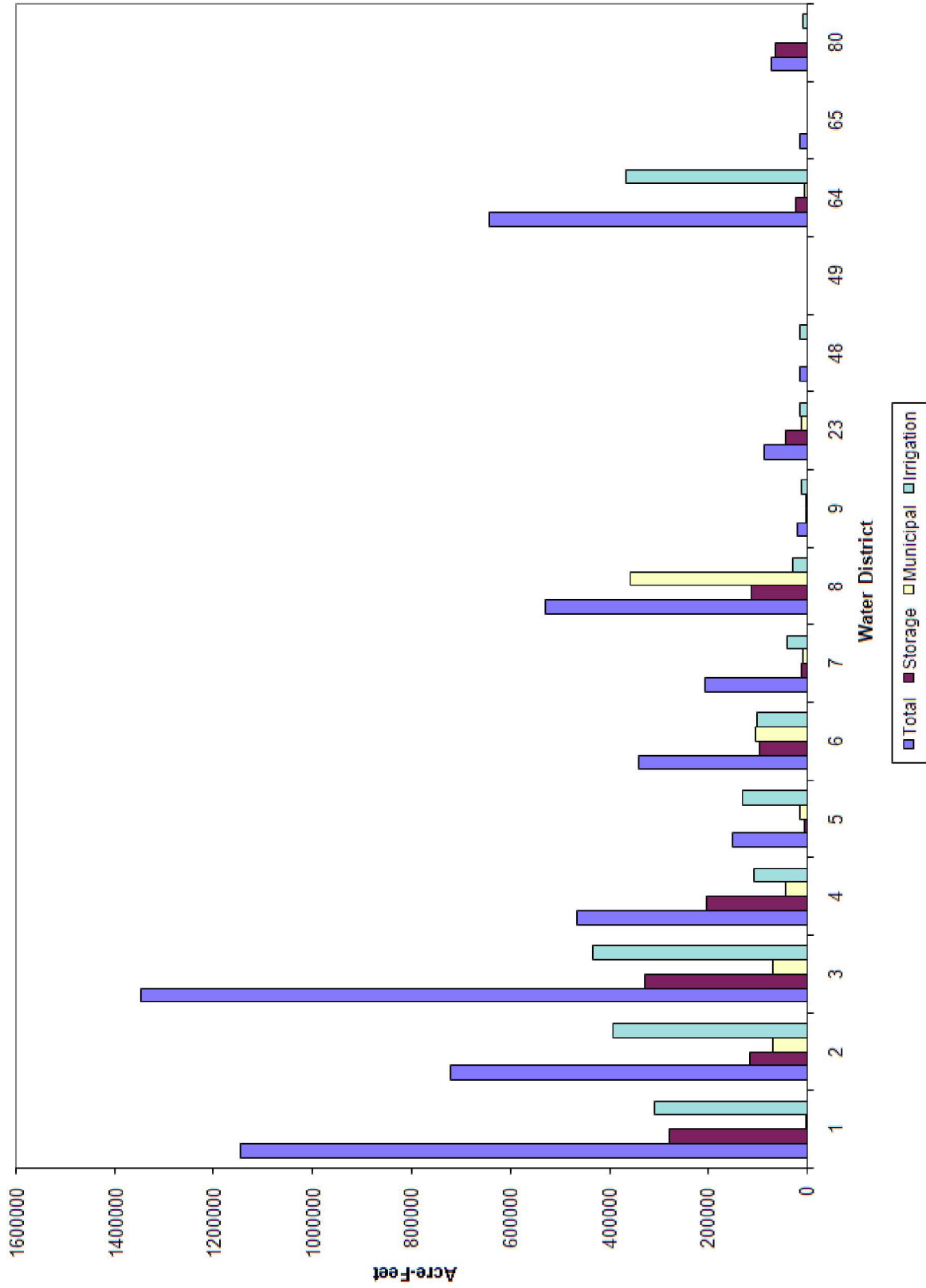
WATER SNOWPACK

WATERSHED	NUMBER OF DATA SITES	THIS YEAR AS % OF	
		LAST YEAR	AVERAGE
BIG THOMPSON BASIN	7	113	102
BOULDER CREEK BASIN	5	111	97
CACHE LA POUVRE BASIN	8	115	113
CLEAR CREEK BASIN	4	118	129
SAINT VRAIN BASIN	4	114	100
UPPER SOUTH PLATTE BASIN	16	85	88

*Information taken from Colorado Basin Outlook Report, February 1, 2009.

DIVERSION GRAPH

**DIVISION 1
2008 Diversions**



**2007 TRANSMOUNTAIN DIVERSION SUMMARY - INFLOWS
(November 2006 - October 2007)**

		RECIPIENT										SOURCE			
WD	ID	NAME	STREAM	10 YEAR AVG		CURRENT YEAR		WD	ID	STREAM					
				AF	DAYS	AF	DAYS								
3	4604	WILSON SUPPLY DITCH	CACHE LA POUUDRE RIVER	1,239	61	2,135	68	48	4604	SAND & DEADMAN CR.					
3	4608	DEADMAN DITCH	CACHE LA POUUDRE RIVER	346	49	712	66	48	4608	DEADMAN CREEK					
3	4606	BOB CREEK DITCH	CACHE LA POUUDRE RIVER	92	43	156	47	48	4606	NUNN CREEK					
3	4607	COLUMBINE DITCH	CACHE LA POUUDRE RIVER	0	0	0	0	48	4607	DEADMAN CREEK					
3	4600	LARAMIE-POUDRE TUNNEL	CACHE LA POUUDRE RIVER	7,821	88	9,149	78	48	4600	LARAMIE RIVER					
3	4605	SKYLINE DITCH	CACHE LA POUUDRE RIVER	231	12	0	0	48	4605	LARAMIE RIVER					
3	4602	CAMERON PASS DITCH	CACHE LA POUUDRE RIVER	64	32	98	40	47	4602	MICHIGAN RIVER					
3	4603	MICHIGAN DITCH	CACHE LA POUUDRE RIVER	2,416	322	3,320	365	47	4603	MICHIGAN RIVER					
3	4601	GRAND RIVER DITCH	CACHE LA POUUDRE RIVER	9,851	159	10,876	162	51	4601	COLORADO RIVER					
4	4634	ADAMS TUNNEL	BIG THOMPSON RIVER	136,939	332	155,704	365	51	4634	COLORADO RIVER					
6	4655	MOFFAT TUNNEL	SOUTH PLATTE RIVER	32,822	365	35,782	366	51	4655	FRASER RIVER					
7	4625	BERTHOUD PASS DITCH	CLEAR CREEK	258	66	354	105	51	4625	FRASER RIVER					
7	4626	VIDLER TUNNEL	CLEAR CREEK	318	72	534	77	36	4626	MONTEZUMA CREEK					
7	4682	STRAIGHT CREEK TUNNEL	CLEAR CREEK	193	365	145	366	36	4682	STRAIGHT CREEK					
8	653	ROBERTS TUNNEL	SOUTH PLATTE RIVER	49,822	298	42,496	266	36	4684	BLUE RIVER					
23	4611	BOREAS PASS DITCH	SOUTH PLATTE RIVER	88	64	86	71	36	4685	INDIANA CREEK					
23	4612	HOOSIER PASS DITCH	ARKANSAS RIVER	4,963	178	6,419	216	36	4683	BLUE RIVER					
23	4490	AURORA HOMESTAKE	SOUTH PLATTE RIVER	18,551	261	11,497	234	37	4644	HOMESTAKE CREEK					

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 1

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
1	3009	CORNISH PLAINS RESERVOIR	CACHE LA POUUDRE RIVER	608	05/03/08	2,300	10/06/08	2,300	2,300
1	3400	VANCIL	SOUTH PLATTE	1,625	08/06/08	3,948	04/15/08	3,176	3,176
1	3592	HORSE CREEK RESERVOIR	HORSE CREEK	3,116	10/30/08	15,585	04/11/08	3,116	3,116
1	3570	BIJOU #2	SOUTH PLATTE	8	02/01/08	1,800	04/09/08	920	920
1	3609	PROSPECT RESERVOIR	PROSPECT CREEK	0	9/24/08	5,800	04/11/08	0	0
1	3651	RIVERSIDE	SOUTH PLATTE	17,012	09/14/08	63,227	03/12/08	18,645	18,645
1	3816	EMPIRE	SOUTH PLATTE	3,285	10/31/08	34,930	03/24/08	3,285	3,285
1	3817	JACKSON	SOUTH PLATTE	6,583	10/29/08	27,343	04/30/08	7,029	7,029
1		TOTALS		29,121		133,548		35,355	35,355

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 2

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						END OF YEAR
				MINIMUM		MAXIMUM		DATE	DATE	
				AF	DATE	AF	DATE			
2	3351	BULL CANAL #8	CLEAR CREEK	921	10/31/08	3,158	05/31/08	921		
2	3375	QUINCY RESERVOIR	SOUTH PLATTE	1,613	11/30/07	2,458	05/31/08	1,706		
2	3699	WEST GRAVEL LAKES COMBINED	SOUTH PLATTE	2,022	04/30/08	2,782	01/31/08	2,767		
2	3700	TANI LAKES COMBINED	SOUTH PLATTE	11,939	03/31/08	13,954	08/31/08	13,817		
2	3837	OASIS RES/BARR	SOUTH PLATTE	12,073	08/31/08	28,942	03/31/08	14,067		
2	3858	LOWER LATHAM	SOUTH PLATTE	4,958	07/31/08	6,212	11/30/07	6,212		
2	3861	GREAT WESTERN	WALNUT CREEK	1,954	01/31/08	2,284	03/31/08	2,333		
2	3876	MILTON	SOUTH PLATTE	7,440	11/30/07	20,904	04/30/08	8,406		
2	3903	STANDLEY	WOMAN CREEK	37,472	10/31/08	42,268	06/30/08	37,472		
2		OTHERS		558		2,810		1,361		
2		TOTALS		80,950		125,772		89,062		

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 3

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
3	3676	LONG DRAW/GRAND RIVER	LONG DRAW CREEK	1,748	11/01/07	10,730	06/30/08	2,388	
3	3678	MOUNTAIN SUPPLY RESERVOIR #20	JOE WRIGHT RESERVOIR	3,805	09/30/08	7,131	06/30/08	3,942	
3	3679	CHAMBERS	JOE WRIGHT CREEK	1,118	05/31/08	7,964	06/30/08	4,556	
3	3683	BARNES MEADOW RESERVOIR	BARNES MEADOWS CREEK	698	04/30/08	2,317	11/01/07	1,515	
3	3697	NORTH POUFRE #2/DEMMELE LAKE	N FK POUFRE RIVER	2,563	10/31/08	3,524	06/30/08	2,563	
3	3698	NORTH POUFRE #5/BEE LAKE	N FK POUFRE RIVER	1,509	05/31/08	3,808	10/31/08	3,808	
3	3699	NORTH POUFRE RESERVOIR #6	N FK POUFRE RIVER	2,323	11/01/07	3,450	05/31/08	2,553	
3	3702	NORTH POUFRE #3/HACKEL LAKE	N FK POUFRE RIVER	1,795	05/31/08	2,553	08/31/08	2,493	
3	3704	NORTH POUFRE #4	N FK POUFRE RIVER	395	04/30/08	656	09/30/08	647	
3	3707	INDIAN CREEK/MTN SUPPLY #16	INDIAN CREEK	308	05/31/08	1,454	06/30/08	502	
3	3708	MOUNTAIN SUPPLY RESERVOIR #18	BOX ELDER CREEK	553	03/31/08	810	06/30/08	566	
3	3712	HALLAGAN/NORTH POUFRE #16	N FK POUFRE RIVER	940	09/30/08	6,428	05/31/08	1,481	
3	3713	SEAMAN/MILTON SEAMAN	N FK POUFRE RIVER	2,015	10/31/08	5,008	11/01/07	2,015	
3	3715	PARK CREEK	PARK CREEK	3,107	08/31/08	6,747	06/30/08	3,470	
3	3716	NORTH POUFRE #15	N FK POUFRE RIVER	1,597	09/30/08	5,087	06/30/08	1,617	
3	3725	DOUGLASS	CACHE LA POUFRE RIVER	5,255	08/31/08	7,431	10/31/08	7,431	
3	3726	WORSTER	SHEEP CREEK	208	08/31/08	3,763	06/30/08	334	
3	3727	WINDSOR RESERVOIR #8	CACHE LA POUFRE RIVER	4,203	08/31/08	7,818	10/31/08	7,818	
3	3728	NO. 8 ANNEX	CACHE LA POUFRE RIVER	2,505	05/31/08	3,191	10/31/08	3,191	
3	3730	COBB LAKE	CACHE LA POUFRE RIVER	2,795	02/29/08	12,300	10/31/08	12,300	
3	3732	HORSETOOTH	DIXON CANYON CREEK	61,825	11/01/07	127,523	02/29/08	71,843	
3	3735	CURTIS	CACHE LA POUFRE RIVER	426	05/31/08	668	10/31/08	668	
3	3736	ROCKY RIDGE/WATER SUPPLY #1	CACHE LA POUFRE RIVER	2,823	04/30/08	3,628	06/30/08	3,203	
3		SUBTOTALS		104,514		233,989		140,904	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 3 (CONTINUED)

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
		BALANCE FROM PREVIOUS PAGE		104,514		233,989		140,904	
3	3737	WATER SUPPLY #2 & #3	CACHE LA POUUDRE RIVER	704	11/01/07	2,756	06/30/08	1,751	
3	3738	WINDSOR RESERVOIR	CACHE LA POUUDRE RIVER	5,014	09/30/08	16,604	06/30/08	10,077	
3	3739	WATER SUPPLY #4	WATER SUPPLY RES #2 & #3	249	04/30/08	858	07/31/08	401	
3	3740	KLUVER	CACHE LA POUUDRE RIVER	64	11/01/07	493	07/31/08	359	
3	3742	LONG POND/WATER SUPPLY #5	CACHE LA POUUDRE RIVER	2,044	05/31/08	2,949	06/30/08	2,900	
3	3744	BLACK HOLLOW	CACHE LA POUUDRE RIVER	2,651	04/30/08	5,166	06/30/08	3,267	
3	3745	DOWDY LAKE RESERVOIR	SOUTH PINE CREEK	744	03/31/08	835	06/30/08	744	
3	3751	SOUTH GRAY RESERVOIR	BOX ELDER CREEK	160	05/31/08	591	09/30/08	585	
3	3770	WINDSOR LAKE	CACHE LA POUUDRE RIVER	2,430	11/30/07	2,991	05/31/08	2,713	
3	3772	SEELEY	CACHE LA POUUDRE RIVER	885	09/30/08	1,101	11/01/07	885	
3	3774	FOSSIL CREEK	FOSSIL CREEK	912	11/01/07	9,977	06/30/08	7,307	
3	3775	TIMNATH	DUCK SLOUGH	3,650	11/01/07	9,197	06/30/08	6,998	
3	3780	CLAYMORE	CACHE LA POUUDRE RIVER	300	08/31/08	835	05/31/08	403	
3	3786	WOOD	ROLLARD DRAW	1,560	11/01/07	2,704	09/30/08	2,704	
3	3804	WARREN	CACHE LA POUUDRE RIVER	1,133	04/30/08	2,107	06/30/08	1,298	
3	3805	TERRY/LARIMER WELD	CACHE LA POUUDRE RIVER	2,215	11/01/07	7,928	06/30/08	5,257	
3	3814	PANHANDLE RESERVOIR	PANHANDLE CREEK	1,017	11/01/07	1,017	11/01/07	1,017	
3	3952	RAWHIDE	CACHE LA POUUDRE RIVER	14,586	12/31/07	15,751	04/30/08	15,355	
3		OTHERS		5,413		8,592		6,502	
3		TOTALS		150,245		326,441		211,427	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 4

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						END OF YEAR
				MINIMUM		MAXIMUM		DATE	DATE	
				AF	DATE	AF	DATE			
4	3659	LOVELAND MUNICIPAL	BIG THOMPSON	3,708	04/30/08	6,629	09/30/08	6,724		
4	4110	BOYD LAKE	BIG THOMPSON	19,523	08/31/08	27,879	10/31/08	27,879		
4	4116	DONATH	BIG THOMPSON	487	03/31/08	1,124	04/30/08	601		
4	4123	HORSETOOTH RESERVOIR	BIG THOMPSON	3,068	09/30/08	6,510	03/31/08	5,545		
4	4131	LOVELAND GREELEY RESERVOIR	BIG THOMPSON	8,303	08/31/08	11,726	02/29/08	11,036		
4	4133	LOVELAND LAKE	BIG THOMPSON	452	10/31/08	584	11/30/07	452		
4	4134	BOEDECKER LAKE/MARINO	BIG THOMPSON	1,227	10/31/08	5,260	06/30/08	1,227		
4	4136	LON HAGLER	BIG THOMPSON	2,312	08/31/08	4,660	09/30/08	4,822		
4	4137	LONE TREE	BIG THOMPSON	3,963	10/31/08	8,044	06/30/08	3,963		
4	4146	WELCH LAKE	BIG THOMPSON	2,348	07/31/08	3,720	11/30/07	3,652		
4	4156	BOULDER & LARIMER/ISH	LITTLE THOMPSON	595	08/31/08	3,095	10/31/08	3,095		
4	4166	HERTHA RESERVOIR	DRY CREEK HERTHA	644	08/31/08	1,142	04/30/08	710		
4	4513	CARTER	BIG THOMPSON	18,230	01/31/08	76,763	06/30/08	50,826		
4		OTHERS		1,527		2,088		1,757		
				66,387		159,224		122,289		

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 5

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
5	3905	UNION	ST. VRAIN	10,419	06/30/08	12,468	08/31/08	11,808	
5	4010	BUTTON ROCK	ST. VRAIN	11,977	05/31/08	16,286	06/30/08	16,109	
5	4020	BEAVER POND	BEAVER CREEK	203	08/31/08	2,162	06/30/08	203	
5	4032	HIGHLAND #2	ST. VRAIN	1,317	05/31/08	3,563	02/28/08	2,941	
5	4037	HIGHLAND #1	ST. VRAIN	459	11/30/07	895	03/31/08	726	
5	4038	HIGHLAND #3	ST. VRAIN	431	07/31/08	1,374	10/31/08	1,374	
5	4063	PLEASANT VALLEY	ST. VRAIN	2,460	10/31/08	3,076	02/28/08	2,460	
5	4065	MCCALL RESERVOIR	ST. VRAIN	307	06/30/08	484	05/31/08	376	
5	4067	OLIGARCHY RESERVOIR #1	ST. VRAIN	1,317	09/30/08	1,688	05/31/08	1,406	
5	4071	FOOTHILLS	ST. VRAIN	0	09/30/08	2,491	04/30/08	0	
5	4072	CLOVER BASIN RESERVOIR	ST. VRAIN	612	06/30/08	635	11/30/07	635	
5	4073	MCINTOSH	ST. VRAIN	758	07/31/08	1,745	12/31/07	1,699	
5	4076	LEFT HAND PARK	LEFT HAND CREEK	614	06/30/08	1,499	11/30/07	1,356	
5	4081	LAGERMANN	LEFT HAND CREEK	543	07/31/08	665	01/31/08	569	
5	4379	NEW THOMAS RESERVOIR	HOWLETT GULCH	1,939	03/31/08	2,175	08/31/08	2,122	
5	4488	LEFT HAND VALLEY	LEFT HAND CREEK	451	11/30/07	1,379	06/30/08	803	
5		TOTALS		33,807		52,585		44,587	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 6

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
6	4172	BARKER	BOULDER CREEK	5,759	04/30/08	11,252	06/30/08	10,154	
6	4173	BASELINE	BOULDER CREEK	3,579	11/30/07	4,912	06/30/08	4,038	
6	4178	HILLCREST	BOULDER CREEK	2,115	10/31/08	1,922	04/30/08	2,115	
6	4180	LEGGETT	BOULDER CREEK	1,387	04/30/08	1,532	10/31/08	1,532	
6	4185	PANAMA	BOULDER CREEK	1,150	09/30/08	3,200	06/30/08	2,400	
6	4187	SIX MILE	BOULDER CREEK	500	05/31/08	1,400	03/31/08	720	
6	4199	GROSS	SOUTH BOULDER CREEK	16,690	04/30/08	41,460	06/30/08	32,017	
6	4212	MARSHALL	SOUTH BOULDER CREEK	3,407	10/31/08	7,736	06/30/08	3,407	
6	4230	VALMONT	SOUTH BOULDER CREEK	6,773	04/30/08	7,216	10/31/08	7,216	
6	4238	SILVER	NORTH BOULDER CREEK	2,224	04/30/08	4,000	08/31/08	3,437	
6	4489	GOOSE	NORTH BOULDER CREEK	977	10/31/08	1,036	11/30/07	977	
6	4515	BOULDER	BOULDER CREEK	6,280	04/30/08	9,380	07/31/08	8,400	
6		OTHERS		531		1,922		1,822	
6		TOTALS		51,372		96,968		78,235	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 7

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						END OF YEAR
				MINIMUM		MAXIMUM		DATE	DATE	
				AF	DATE	AF	DATE			
7	3018	WELTON RESERVOIR	CLEAR CREEK	9,300	03/31/08	9,737	06/30/08	9,642		
7	3308	BLUNN	CLEAR CREEK	5,080	04/30/08	6,263	08/31/08	6,210		
7	3324	RALSTON	RALSTON CREEK	6,001	01/31/08	10,342	06/30/08	9,117		
7	3406	COORS B #3	CLEAR CREEK	2,337	04/30/08	3,056	06/30/08	3,010		
7	3407	COORS B #4	CLEAR CREEK	4,000	11/30/07	4,000	11/30/07	4,000		
7	3702	FAIRMOUNT	CLEAR CREEK	630	04/30/08	965	01/31/08	921		
7	4030	GOLDEN RESERVOIR/WEST	CLEAR CREEK	1,219	11/30/07	1,343	07/31/08	1,315		
7	4411	MAPLE GROVE	SOUTH CLEAR CREEK	586	04/30/08	1,095	03/31/08	1,003		
7	4415	LONG LAKE RESERVOIR UPPER	RALSTON CREEK	1,131	03/31/08	1,445	05/31/08	1,185		
7		OTHERS		1,239		1,910		1,595		
7		TOTALS		31,523		40,156		37,998		

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 8

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		END OF YEAR	
				AF	DATE	AF	DATE		
8	3514	CHATFIELD	SOUTH PLATTE	17,437	11/30/07	27,273	07/31/08	25,298	
8	3532	CHERRY CREEK	CHERRY CREEK	11,605	10/31/08	13,414	02/29/08	11,605	
8	3832	MCLELLAN	DAD CLARK DITCH	3,895	10/31/08	5,848	01/31/08	3,895	
8	3983	STRONTIA SPRINGS DVR DAM	SOUTH PLATTE	6,852	11/30/07	7,369	08/31/08	7,176	
8		TOTALS		39,789		53,904		47,974	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 9

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		END OF YEAR	
				AF	DATE	AF	DATE		
9	3501	MARSTON	SOUTH PLATTE	10,094	03/31/08	19,079	07/31/08	18,584	
9	3815	SODA #1, #2	BEAR CREEK	1,183	10/31/08	1,387	11/30/07	1,183	
9	3999	BEAR CREEK RESERVOIR	BEAR CREEK	1,742	07/31/08	1,988	05/31/08	1,927	
9	4281	BOWLES	BEAR CREEK	1,198	11/30/07	2,062	03/31/08	1,400	
9	4314	PATRICK	BEAR CREEK	1,146	06/30/08	1,161	11/30/07	1,161	
9		OTHERS		2,073		3,533		2,439	
9		TOTALS		17,436		29,210		26,694	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 23

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
23	3904	ANTERO	S FK SOUTH PLATTE	19,819	04/30/08	20,370	11/30/07	20,191	
23	3962	MONTGOMERY	MID FK SOUTH PLATTE	383	04/30/08	4,883	10/31/08	4,883	
23	3965	ELEVEN MILE	MID FK SOUTH PLATTE	99,212	01/31/08	101,628	06/30/08	99,418	
23	3981	JEFFERSON LAKE RESERVOIR	JEFFERSON LAKE	756	04/30/08	1,768	07/17/08	759	
23	4013	SPINNEY MOUNTAIN	MID FK SOUTH PLATTE	41,116	01/31/08	53,651	06/30/08	42,170	
23		TOTALS		161,286		182,300		167,421	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 64

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
64	3551	NORTH STERLING	SOUTH PLATTE	11,378	11/01/07	74,530	03/31/08	14,905	
64	3552	PREWITT	SOUTH PLATTE	12,267	08/08/08	28,481	03/31/08	26,540	
64	3906	JULESBURG	SOUTH PLATTE	6,351	10/31/08	22,888	04/01/08	6,351	
64		TOTALS		29,996		125,899		47,796	

2007-2008 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 80

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		DATE	END OF YEAR
				AF	DATE	AF	DATE		
80	3550	CHEESMAN	S FK SOUTH PLATTE	61,139	11/30/07	79,475	06/30/08	65,059	
80	3828	ALTURA RESERVOIR	GENEVA CREEK	0	11/30/07	528	07/08/08	0	
80	3829	WELLINGTON	N FK SOUTH PLATTE	3,533	9/30/08	4,399	04/30/08	3,669	
80		TOTAL		64,672		84,402		68,728	

WATER DIVERSION SUMMARIES 2006-2007

WD	DITCHES REPORTING			OTHERS		ESTIMATED NUMBER OF STRUCTURE VISITS	TOTAL DIVERSIONS (AF)	TOTAL DIVERSIONS TO STORAGE	TO IRRIGATION	
	WITH RECORD	NO WATER AVAIL.	NO WATER TAKEN	NO INFO AVAIL.	NO RECORDS				TOTAL DIVERSIONS (AF)	NO. OF ACRES IRRIGATED
1	462	145	27	159	0	15,256	1,145,475	278,846	308,907	0
2	223	16	85	50	0	20,347	721,414	116,620	392,097	0
3	224	0	12	20	0	29,202	1,346,237	329,564	433,166	0
4	109	22	10	8	0	8,038	464,148	203,255	107,854	0
5	85	0	10	46	0	9,583	151,387	4,504	130,872	0
6	105	22	20	65	0	10,903	340,631	96,699	103,236	0
7	76	3	6	5	0	11,532	206,003	12,091	39,920	0
8	479	38	164	184	0	7,086	528,720	114,643	29,812	2891
9	49	7	11	2	0	634	20,260	2,729	10,886	0
23	140	11	19	33	0	5,651	87,545	42,156	14,033	0
48	45	1	7	0	0	2,010	13,453	0	13,453	4791
49	2	0	6	0	0	103	87	0	87	0
64	992	13	58	76	0	17,623	644,101	22,954	367,702	0
65	11	0	12	0	0	689	13,963	0	1,447	0
76	0	0	0	0	0	0	0	0	0	0
80	63	40	11	6	0	1,119	71,361	63,348	7,858	0
TOT	3,065	318	458	654	0	139,776	5,754,785	1,287,409	1,961,330	7,682

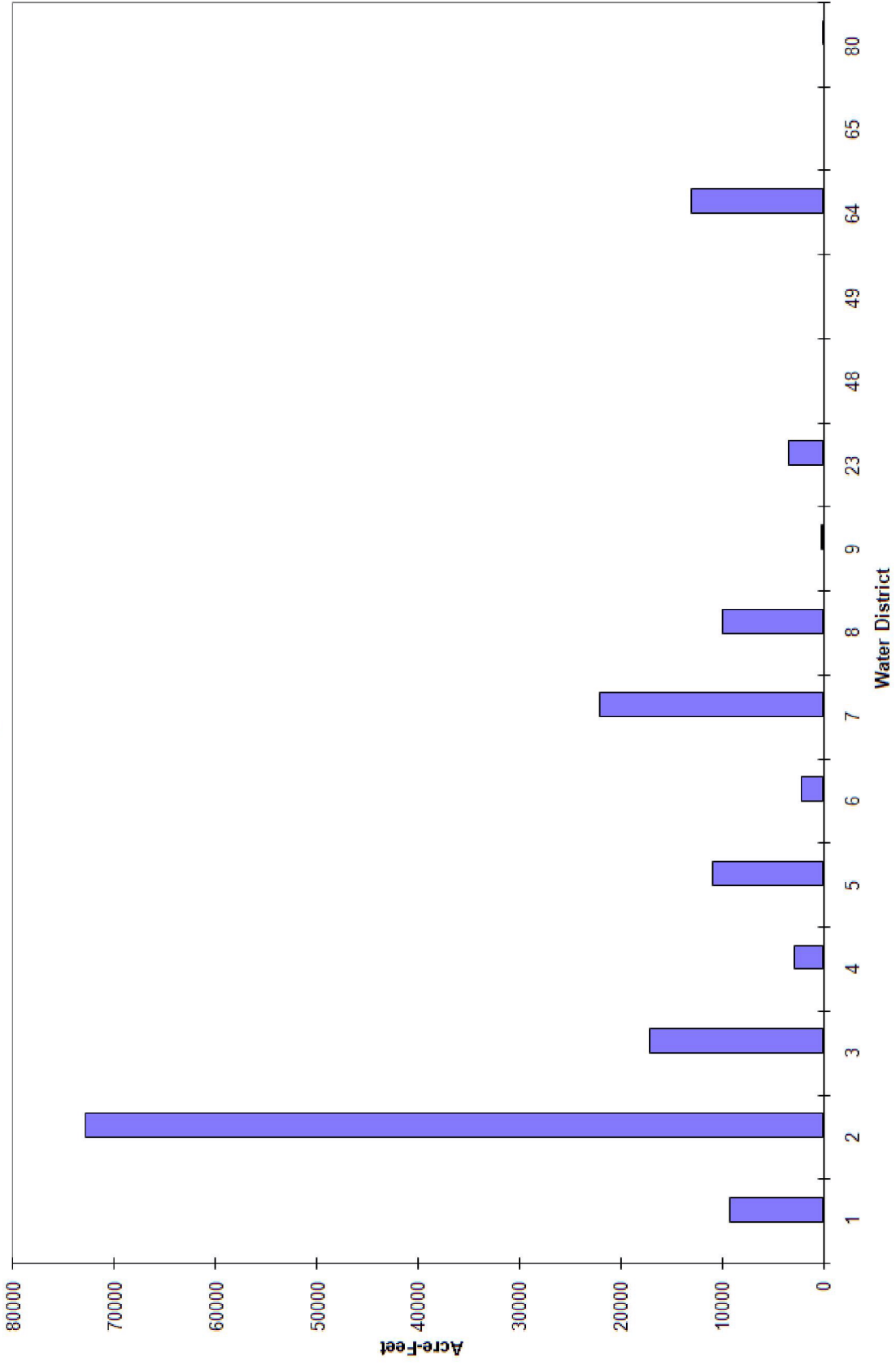
*DISTRICT 48 DITCH VISITS COMBINED WITH DISTRICT 76

TABLE 1 – WATER DIVERSION SUMMARIES TO VARIOUS USES

South Platte River Basin

WD	Trans- mountain Outflow	Tranbasin Outflow	Mun	Comm	Ind	Rec	Fish	Dom & HHU O	Stock	Aug	Evap	Snow	Min FI	Power	Rchg
1	0	0	2,574	2,530	7,205	0	0	61	121	9,209	18	0	0	0	98,922
2	0	0	70,492	1,002	8,051	529	0	0	7	72,861	17	0	0	0	10,428
3	0	0	69,784	23	6,206	0	0	23	0	17,073	6,526	0	0	0	723
4	0	0	43,483	44	0	0	0	4	0	2,928	0	0	0	0	1,527
5	0	0	15,050	0	0	0	0	15	0	10,896	0	0	994	0	0
6	0	949	106,027	76	842	0	0	0	0	2,199	0	0	10,485	5,943	0
7	0	24,317	9,203	1	51,645	0	0	0	86	21,989	370	79	0	0	1,530
8	0	18	356,578	1,261	2,693	0	1,684	389	0	9,944	4,131	0	0	0	0
9	0	0	2,918	12	0	0	0	0	0	146	238	0	0	0	0
23	12,716	0	13,128	0	964	36	3,630	9	143	3,348	0	0	0	0	162
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	4,513	145	670	0	150	5	36	13,028	41	0	0	0	84,316
65	0	0	0	0	0	0	1,696	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	80	0	0	0	0	0	0	27	0	0	0	0	0
TOT	12,716	25,284	693,830	5,094	78,276	565	7,160	506	393	163,548	11,341	79	11,479	5,943	197,608

**Figure 2 - Augmentation Releases by Water District
08
Augmentation Releases**



WATER COURT ACTIVITIES

Calendar Year 2007

New Applications made to water court this year.....	338
Consultations with Referee this year.....	279
Decrees Issued by Court this year.....	346
Dismissals & Withdrawals.....	56

TYPES OF RULINGS

TYPE OF RULING	NUMBER OF CASES	NUMBER OF STRUCTURES
Findings of Diligence on Conditional Rights	82	201
Exchanges Adjudicated	29	55
Conditional Rights Made Absolute	26	31
Surface Water Rights Adjudicated	9	11
Underground Water Rights Adjudicated	125	415
Water Storage Rights Adjudicated	18	34
Plans for Augmentation Adjudicated	67	492
Changes of Water Rights Adjudicated	61	290
Abandoned Water Rights	11	21
Consent Decrees	9	15
Recharge Sites	3	31
Instream Flow Adjudications	2	2
Corrected Decrees	7	15

CALLING PRIORITY 2007-2008

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2007-10-25 08:00	2007-11-01 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1990-08-10	51356.00000	120.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2007-11-01 08:00	2007-11-08 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	
2007-11-01 08:00	2007-11-21 08:00	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1974-03-15	45364.00000	26.8000 CFS	1,64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2007-11-08 08:00	2007-11-12 08:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2007-11-12 08:00	2007-11-20 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	
2007-11-20 08:00	2007-12-15 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2007-12-15 08:00	2007-12-18 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1985-03-11	50769.49378	150.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-01-09 08:00	2008-01-18 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1972-06-12	44723.00000	234.1700 CFS	1	BYPASS CALL FROM 0100515 - UPPER PLATTE BEAVER CNL
2008-01-09 08:00	2008-01-18 08:00	SOUTH PLATTE RIVER	103816	EMPIRE RES	1909-05-29	21698.00000	26773.0000 AF	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0203876 - MILTON RES
2008-01-31 08:00	2008-01-31 16:00	SOUTH PLATTE RIVER	103651	RIVERSIDE RES	1907-08-01	21031.00000	41437.0000 AF	1,2,3,4,5,6,7,8,9,80,23	
2008-01-31 16:00	2008-02-01 12:00	SOUTH PLATTE RIVER	100503	RIVERSIDE CANAL	1909-01-13	21562.00000	900.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-02-01 12:00	2008-02-19 08:00	SOUTH PLATTE RIVER	100503	RIVERSIDE CANAL	1911-03-17	22355.00000	400.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-02-19 08:00	2008-02-25 08:00	SOUTH PLATTE RIVER	100503	RIVERSIDE CANAL	1907-08-01	21031.00000	740.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	
2008-02-21 08:00	2008-02-29 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1972-06-12	44723.00000	52.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-02-29 08:00	2008-03-19 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2008-03-09 08:00	2008-03-13 08:00	SOUTH PLATTE RIVER	6400535	SOUTH PLATTE DITCH	1997-03-21	55882.53771	39.4000 CFS	1	PREWITT CALL REMAINS ON
2008-03-13 08:00	2008-03-25 08:00	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1974-03-15	45364.00000	26.8000 CFS	1,64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-03-25 07:09	2008-03-25 07:09	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1977-07-23	46590.00000	11.30 CFS	1,64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-03-28 08:00	2008-04-01 08:00	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1986-06-17	49841.00000	1000.0000 CFS	1,2,3,4,5,6,7,8,9,80,23,64	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-01 08:00	2008-04-09 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1986-06-17	49841.00000	1000.00 CFS	1,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-01 08:00	2008-04-03 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1996-05-08	53454.00000	294.0000 CFS	1	
2008-04-01 08:00	2008-04-03 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-04-03 08:00	2008-04-10 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2002-12-31	55882.00000	0.00 CFS	64	BYPASS CALL FROM 6400511 - HARMONY DITCH 1
2008-04-07 14:00	2008-04-09 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1909-01-13	21562.00000	900.00 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0203837 - BARR LAKE
2008-04-09 08:00	2008-04-10 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1907-05-31	20969.00000	417.00 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-09 08:00	2008-04-10 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,23,80	
2008-04-10 08:00	2008-04-11 16:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1986-06-17	49841.00000	1000.00 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-10 08:00	2008-04-11 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2002-09-26	55882.55786	0.00 CFS	1,64	BYPASS CALL FROM 6400524 - LOWLINE DITCH
2008-04-10 12:00	2008-04-11 08:00	SOUTH PLATTE RIVER	803514	CHATFIELD DAM	1977-12-28	46748.00000	10785.0000 AF	8	
2008-04-11 08:00	2008-04-12 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2003-03-20	55961.00000	22.3000 CFS	1,64	BYPASS CALL FROM 6400528 - STERLING IRR CO DITCH 1
2008-04-11 08:00	2008-04-14 08:00	SOUTH PLATTE RIVER	801008	CITY DITCH PL	1977-12-28	46748.00000	10785.0000 AF	8,23,80	BYPASS CALL FROM 0803514 - CHATFIELD RESERVOIR
2008-04-11 16:00	2008-04-15 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1986-06-02	49826.00000	27.90 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-04-12 08:00	2008-04-21 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	2001-12-31	55517.55517	600 CFS	1	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-04-14 08:00	2008-04-17 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1910-12-06	22254.00000	42.72 CFS	2,8,9,23,80	BYPASS CALL FROM 0801002 - DENVER CONDUIT NO 20
2008-04-15 08:00	2008-04-17 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1929-12-31	31423.29219	1000.00 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-17 12:00	2008-04-21 08:00	SOUTH PLATTE RIVER	100515	UPPER PLATTE BEAVER CNL	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-04-21 08:00	2008-04-22 16:00	SOUTH PLATTE RIVER	100518	LOWER PLATTE BEAVER D	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	
2008-04-21 08:00	2008-04-22 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2002-09-26	55882.55786	20.0000 CFS	1,64	BYPASS CALL FROM 6400524 - LOWLINE DITCH
2008-04-22 08:00	2008-04-22 16:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1977-07-23	46590.00000	15.0000 CFS	64,1	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-04-22 16:00	2008-04-23 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-04-22 16:00	2008-04-24 12:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	
2008-04-23 08:00	2008-04-24 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-04-24 12:00	2008-05-03 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,6,4,7,8,9,23,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-04-24 12:00	2008-04-30 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1976-04-03	46114.00000	5000.0000 AF	64	BYPASS CALL FROM 6402514 - CHAMBERS CONDON RCHRG A

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-04-28 16:00	2008-04-30 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-04-30 08:00	2008-05-01 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1880-06-30	111139.00000	20.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0801002 - DENVER CONDUIT NO 20
2008-04-30 08:00	2008-05-03 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2002-12-31	55882.00000	252.0000 CFS	64	BYPASS CALL FROM 6400511 - HARMONY DITCH 1
2008-05-01 08:00	2008-05-01 16:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-05-03 08:00	2008-05-05 08:00	SOUTH PLATTE RIVER	100688	UNION DITCH	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-05-03 08:00	2008-05-05 12:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-05-05 08:00	2008-05-07 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	164.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100515 - UPPER PLATTE BEAVER CNL
2008-05-05 12:00	2008-05-06 12:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1878-09-10	10480.00000	26.4400 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0801002 - DENVER CONDUIT NO 20
2008-05-06 12:00	2008-05-07 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1880-06-30	111139.00000	20.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0801002 - DENVER CONDUIT NO 20
2008-05-06 16:00	2008-05-07 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1904-02-12	19765.00000	450.0000 CFS	64	
2008-05-07 08:00	2008-05-24 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-05-07 08:00	2008-05-08 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	164.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100515 - UPPER PLATTE BEAVER CNL
2008-05-08 08:00	2008-05-12 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-05-08 08:00	2008-05-13 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-05-12 08:00	2008-05-13 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-05-13 08:00	2008-05-14 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-05-14 16:00	2008-05-16 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-05-16 08:00	2008-05-17 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1902-01-17	19009.00000	175.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100519 - TREMONT DITCH
2008-05-17 08:00	2008-05-18 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-05-18 08:00	2008-05-20 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-05-20 08:00	2008-05-20 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-05-20 12:00	2008-05-22 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-05-20 12:00	2008-05-22 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-05-22 08:00	2008-05-25 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2008-05-24 08:00	2008-05-25 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-07-11	16628.00000	16.0000 CFS	64	BYPASS CALL FROM 6400522 - BRAVO DITCH
2008-05-25 08:00	2008-05-26 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1883-04-21	12164.00000	20.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-05-26 08:00	2008-05-30 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-05-26 08:00	2008-05-30 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-05-26 08:00	2008-06-09 07:56	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	
2008-05-30 08:00	2008-06-02 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-06-02 08:00	2008-06-02 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-06-02 16:00	2008-06-04 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2008-06-04 08:00	2008-06-05 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-06-05 08:00	2008-06-05 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2008-06-05 16:00	2008-06-06 12:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	1000.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-06-06 12:00	2008-06-07 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1909-01-13	21562.00000	900.0000 CFS	2,7,8,9,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-06-06 12:00	2008-06-06 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	1000.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-06-06 16:00	2008-06-07 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1972-06-12	44723.00000	322.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-06-07 08:00	2008-06-08 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6	
2008-06-07 08:00	2008-06-07 12:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1902-03-04	19055.00000	944.0000 CFS	2,7,8,9	BYPASS CALL FROM 0700553 - CROKE CANAL
2008-06-07 12:00	2008-06-15 16:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1889-06-27	14423.00000	30691.0000 AF	2,8,9,23,80	BYPASS CALL FROM 8003550 - CHEESMAN RES
2008-06-07 12:00	2008-06-08 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1902-03-04	19055.00000	944.0000 CFS	2,7	BYPASS CALL FROM 0700553 - CROKE CANAL
2008-06-08 08:00	2008-06-09 08:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1929-12-31	31423.29219	34960.0000 AF	1,2,3,4,5,6,7	
2008-06-10 08:00	2008-06-11 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100829 - PREWITT INLET CANAL

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-06-08 08:00	2008-06-09 08:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1929-12-31	31423.29219	34960.0000 AF	1,2,3,4,5,6,7	
2008-06-10 08:00	2008-06-11 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,6,4	BYPASS CALL FROM 0100829 - PREWITT INLET CANAL
2008-06-10 08:00	2008-06-13 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1902-03-04	19055.00000	944.0000 CFS	2,7	BYPASS CALL FROM 0700553 - CROKE CANAL
2008-06-11 08:00	2008-07-26 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	
2008-06-11 08:00	2008-06-11 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100829 - PREWITT INLET CANAL
2008-06-11 16:00	2008-06-14 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2008-06-13 08:00	2008-06-14 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1909-06-09	21709.00000	215.9500 CFS	2,7	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2008-06-14 08:00	2008-06-15 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-06-15 16:00	2008-06-16 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-06-16 08:00	2008-06-17 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-06-17 08:00	2008-06-23 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	64,1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100514 - FT MORGAN CANAL

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-06-20 08:00	2008-07-07 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-07-11	16628.00000	16.0000 CFS	64	BYPASS CALL FROM 6400522 - BRAVO DITCH
2008-06-23 08:00	2008-06-24 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1885-11-20	13108.00000	350.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-06-24 08:00	2008-06-29 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-06-29 08:00	2008-07-03 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2008-07-03 12:00	2008-07-03 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1883-04-21	12164.00000	20.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-07-03 16:00	2008-07-04 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-07-04 08:00	2008-07-07 08:00	SOUTH PLATTE RIVER	6400520	ILIFF PLATTE VALLEY D	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-07-07 08:00	2008-07-07 16:00	SOUTH PLATTE RIVER	6400520	ILIFF PLATTE VALLEY D	1883-10-01	12327.00000	150.0000 CFS	64	
2008-07-07 08:00	2008-07-07 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1883-04-21	12164.00000	20.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-07-07 16:00	2008-07-08 16:00	SOUTH PLATTE RIVER	6400520	ILIFF PLATTE VALLEY D	1886-07-19	13349.00000	62.2750 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-07-08 16:00	2008-07-09 08:00	SOUTH PLATTE RIVER	6400520	ILIFF PLATTE VALLEY D	1885-11-20	13108.00000	350.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-07-09 08:00	2008-07-10 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1885-11-20	13108.00000	350.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-07-09 08:00	2008-07-21 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-07-11	16628.00000	16.0000 CFS	64	BYPASS CALL FROM 6400522 - BRAVO DITCH
2008-07-10 08:00	2008-07-12 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,64	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-07-10 08:00	2008-07-12 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	
2008-07-12 08:00	2008-07-13 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2008-07-13 08:00	2008-07-17 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6,6	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2008-07-13 08:00	2008-07-14 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1876-11-20	9821.00000	85.4000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200824 - FARMERS INDEPENDENT D
2008-07-14 08:00	2008-07-26 08:00	SOUTH PLATTE RIVER	6400503	SOUTH RESERVATION DITCH	1895-03-01	17846.16496	164.0000 CFS	64	BYPASS CALL FROM 6400504 - PETERSON DITCH
2008-07-14 08:00	2008-07-15 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1873-10-15	8689.00000	94.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2008-07-15 08:00	2008-07-15 16:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1873-09-15	8659.00000	92.8700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200812 - LUPTON BOTTOM DITCH
2008-07-15 16:00	2008-07-18 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.0700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-07-17 08:00	2008-07-19 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-07-18 08:00	2008-07-19 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1873-10-15	8689.00000	94.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2008-07-19 08:00	2008-07-20 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1876-07-08	9686.00000	74.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200808 - FULTON DITCH
2008-07-19 08:00	2008-07-20 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2008-07-19 12:00	2008-07-20 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-07-20 08:00	2008-07-20 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,4,5,6,7,8,9,23,64,80	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-07-20 12:00	2008-07-23 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1876-07-08	9686.00000	74.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200808 - FULTON DITCH
2008-07-20 12:00	2008-07-25 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2008-07-20 12:00	2008-07-25 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-07-21 08:00	2008-07-26 08:00	SOUTH PLATTE RIVER	6400520	ILIFF PLATTE VALLEY D	1883-10-01	12327.00000	150.0000 CFS	64	
2008-07-21 08:00	2008-08-07 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-07-23 08:00	2008-07-29 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.0700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2008-07-23 12:00	2008-07-26 08:00	SOUTH PLATTE RIVER	6400514	RAMSEY DITCH	1895-02-19	16486.00000	40.0000 CFS	64	BYPASS CALL FROM 6400516 - POWELL BLAIR DITCH
2008-07-25 08:00	2008-07-28 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-07-26 16:00	2008-08-16 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	
2008-07-28 08:00	2008-07-29 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-07-29 08:00	2008-08-01 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1876-07-08	9686.00000	74.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200808 - FULTON DITCH
2008-07-29 08:00	2008-07-30 08:00	SOUTH PLATTE RIVER	6400530	SPRINGDALE DITCH	1886-07-19	13349.00000	62.2750 CFS	1,64	
2008-07-29 08:00	2008-07-31 08:00	SOUTH PLATTE RIVER	100514	FT MORGAN CANAL	1882-10-18	11979.00000	323.0000 CFS	1,2,3,4,5,6	
2008-07-30 08:00	2008-07-31 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.2750 CFS	1,64	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2008-07-31 08:00	2008-08-01 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-08-01 08:00	2008-08-04 12:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.0700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-08-01 16:00	2008-08-07 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.0000 CFS	1,2,3,64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-08-01 16:00	2008-08-07 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2008-08-04 12:00	2008-08-05 16:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-08-10	7892.00000	69.8770 CFS	2,7,8,9,23,80	
2008-08-05 16:00	2008-08-07 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.0700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2008-08-07 08:00	2008-08-08 12:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,23,80	
2008-08-07 08:00	2008-08-08 12:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-08-08 12:00	2008-08-09 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-08-08 12:00	2008-08-09 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-08-09 08:00	2008-08-11 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100829 - PREWITT INLET CANAL
2008-08-09 08:00	2008-08-09 12:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9,23,80	
2008-08-09 12:00	2008-08-11 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,23,80	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-08-11 08:00	2008-08-12 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1881-01-15	11338.00000	63.3000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200809 - BRAINTNER DITCH
2008-08-11 08:00	2008-08-12 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100829 - PREWITT INLET CANAL
2008-08-12 08:00	2008-08-14 16:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-08-12 08:00	2008-08-13 12:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	1,2,3,4,5,6,6 4	
2008-08-13 12:00	2008-08-15 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	
2008-08-13 12:00	2008-08-14 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.0000 CFS	1,2,3,4,5,6,6 4	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-08-14 12:00	2008-08-15 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,6 4	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-08-14 16:00	2008-08-15 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1879-01-18	10610.00000	600.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0801004 - HIGHLINE CNL
2008-08-15 08:00	2008-08-15 16:00	SOUTH PLATTE RIVER	100503	RIVERSIDE CANAL	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7, 8,9,23,80	
2008-08-15 08:00	2008-08-15 16:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1929-12-31	31423.29219	34960.0000 AF	1	
2008-08-15 16:00	2008-08-17 08:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1929-12-31	31423.29219	34960.0000 AF	1,2,3,4,5,6,7, 8,9,23,80	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-08-16 08:00	2008-08-17 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2003-04-30	56002.00000	139.8000 CFS	64	BYPASS CALL FROM 6400504 - PETERSON DITCH
2008-08-17 08:00	2008-08-18 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS		
2008-08-18 08:00	2008-08-24 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9,23,80	BARR LAKE REFILL
2008-08-20 08:00	2008-08-21 08:00	SOUTH PLATTE RIVER	103552	PREWITT RES	1929-12-31	31423.29219	34960.0000 AF	1,2,3,4,5,6,7	
2008-08-21 08:00	2008-08-25 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1	
2008-08-21 08:00	2008-08-24 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7	
2008-08-24 08:00	2008-08-25 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1	
2008-08-24 08:00	2008-08-25 12:00	SOUTH PLATTE RIVER	100507	BIJOU CANAL	1907-05-31	20969.00000	417.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-08-24 08:00	2008-08-26 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,23,80	
2008-08-25 08:00	2008-08-25 12:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1915-08-01	26302.23953	411.0000 CFS	1,64	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2008-08-25 08:00	2008-09-12 16:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-08-25 12:00	2008-08-26 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	1,2,3,4,5,6,7,64	
2008-08-26 08:00	2008-08-29 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-08-26 08:00	2008-08-29 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-08-26 08:00	2008-08-27 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	
2008-08-27 08:00	2008-09-06 08:21	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-07-11	16628.00000	16.0000 CFS	64	BYPASS CALL FROM 6400522 - BRAVO DITCH
2008-08-29 08:00	2008-09-04 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-08-29 08:00	2008-08-31 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.0700 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2008-08-31 08:00	2008-09-12 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.0000 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2008-09-04 08:00	2008-09-06 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 0100507 - BIJOU CANAL
2008-09-06 08:18	2008-09-08 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-07-11	16628.00000	16.0000 CFS	1,2,3,4,5,6,64	BYPASS CALL FROM 6400522 - BRAVO DITCH
2008-09-08 08:00	2008-09-10 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1902-01-17	19009.00000	175.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100519 - TREMONT DITCH

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-09-10 16:00	2008-09-11 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1907-08-01	21031.00000	740.0000 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2008-09-11 08:00	2008-09-12 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6	
2008-09-12 08:00	2008-09-13 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	
2008-09-12 16:00	2008-09-13 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1977-07-23	46590.00000	15.0000 CFS	64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-09-13 08:00	2008-09-15 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1997-03-21	55882.53771	120.0000 CFS	64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-09-13 08:00	2008-09-15 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1972-06-12	44723.00000	322.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-09-15 08:00	2008-09-18 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	2003-04-30	56002.00000	139.8000 CFS	64	BYPASS CALL FROM 6400504 - PETERSON DITCH
2008-09-15 08:00	2008-09-16 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1972-06-12	44723.00000	322.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2008-09-15 08:00	2008-10-06 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9,23,80	
2008-09-16 08:00	2008-09-22 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7	
2008-09-18 08:00	2008-09-23 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1977-07-23	46590.00000	15.0000 CFS	1,64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH

CALLING PRIORITY 2007-2008 (Continued)

Date Call Initiated	Date Call Released	Source	WDID	Structure Name	Appropriation Date	Administration Number	Amount	Districts Affected	Set Comments
2008-09-22 08:00	2008-10-06 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1914-05-27	26302.23522	460.0000 CFS	1,2,3,4,5,6,7	
2008-09-23 08:00	2008-10-06 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14	17332.00000	120.0000 CFS	64	
2008-10-06 08:00	2008-10-07 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	
2008-10-06 08:00	2008-10-10 16:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1974-03-15	45364.00000	26.8000 CFS	1,64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-10-07 08:00	2008-10-08 16:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1915-08-01	26302.23953	411.0000 CFS	1,2,3,4,5,6,7	
2008-10-07 08:00	2008-11-01 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9,23,80	
2008-10-08 16:00	2008-10-14 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7	
2008-10-10 16:00	2008-10-11 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1977-07-23	46590.00000	15.0000 CFS	1, 64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2008-10-11 08:00	2008-10-12 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1995-12-22	53316.00000	140.0000 CFS	1, 64	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2008-10-14 08:00	2008-11-01 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1986-06-17	49841.00000	1000.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL

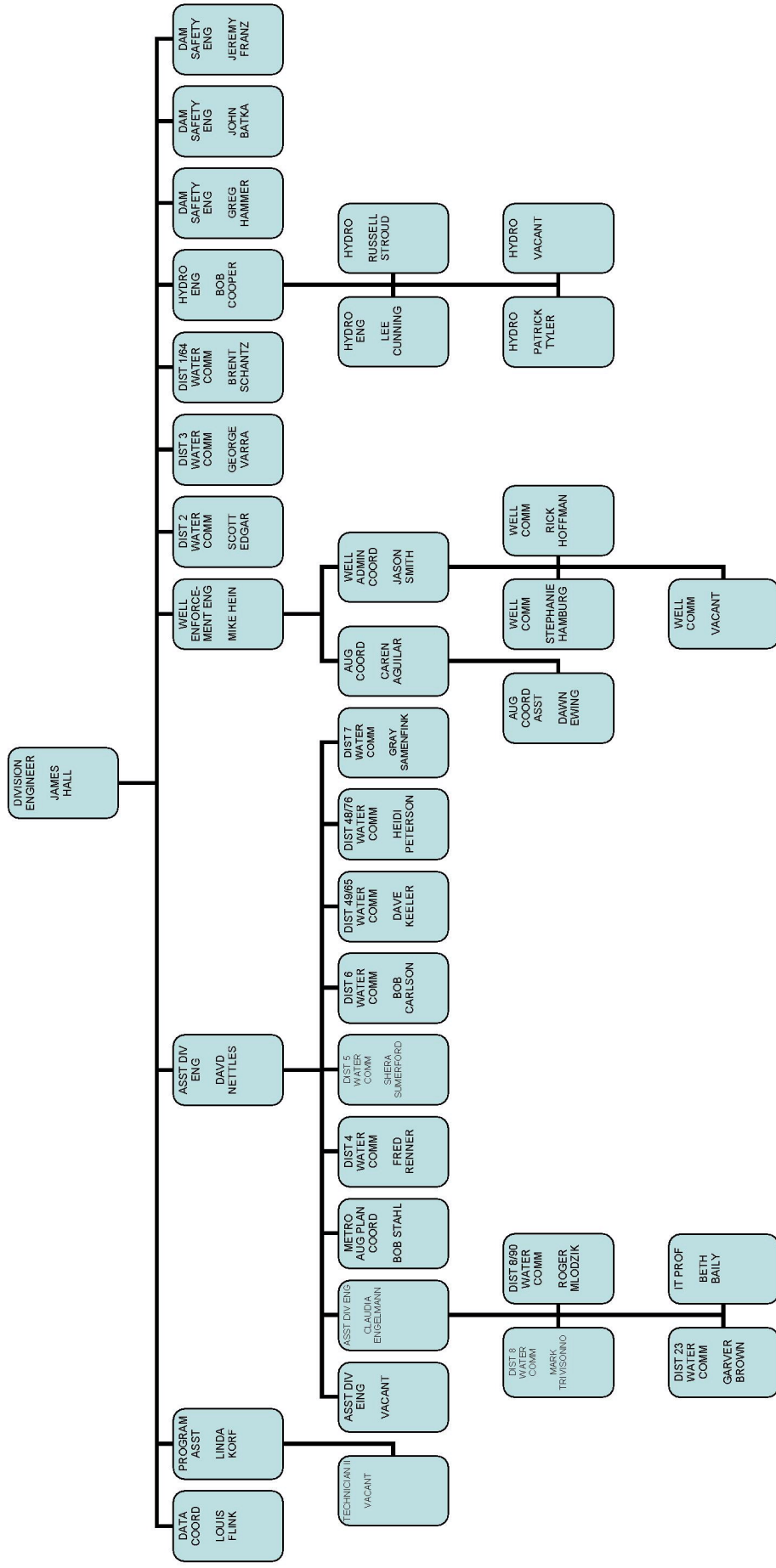
Table 9 - Staffing

Dam Safety Engineers	3
Water Resource Engineers	7
IT Professional	1
Engineering/Physical Science Techs/Assistants (Includes 3 Hydrographers)	9
Program Asst 1, Admin II & Technician II	3
Physical Science Researcher/Scientist 1	2
Full-Time Water Commissioners	22
Permanent Part-Time Water Commissioners	<u>3</u>
Total Staff	50

Table 10 - Statistics

Number of Well Permits	
Number of Plans for Augmentation	986
Number of Dams routinely inspected	254
Number of Active Substitute Supply Plans	
Number of Contacts to give Public Assistance	87,874+

Figure 3 – Organizational Chart



Organizational Chart for Water Commissioners

