Division 1
Annual Report

South Platte River near Sterling

Irrigation Water Year
2006

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CURRENT WATER YEAR

Accomplishments

After what appeared to be a very promising start to the water year, 2006 turned out to be an extremely dry year in Water Division 1. Because of the continued dry conditions, the Division experienced very early direct flow calls that persisted through out the irrigation year. In addition to direct flow calls, winter administration now rivals if not exceeds the irrigation season administration requirement in Districts 1 and 64. Commissioners are now called upon to administer the river in response to these calls seven days a week, 52 weeks a year. Conflict between senior users was minimized because of the excellent effort of this staff and the hydrographers and engineers who support them.

This was the fifth year in a row with low flow conditions. In order to respond to the continued dry conditions and increased competition for water, the Division has had to change historic administration practices and increase its reliance upon technology in order to fulfill its statutory obligations. Specifically, the Division made changes in non-irrigation season administration, developed and used protocols for recharge and augmentation plan administration and redoubled efforts to foster communications with users. The Division also dramatically increased use of data loggers to allow better daily administration and to keep track of the many new recharge structures. These efforts are all documented in more detail in the text of the report.

Well issues continue to be primary focus of administration in the South Platte. Staff spent considerable time participating in pending augmentation plan cases for well user groups assuring that they could be administered. Staff also continued to be very involved in enforcement efforts to assure that well users who do not have Substitute Water Supply Plans or Water Court Decreed Augmentation Plans did not operate. This involved issuing orders to users not to pump, monitoring to assure users did not pump, and pursuing complaints against users who did pump in violation of an order. All of these efforts were aided by the seamless addition of 4.5 FTE for the South Platte basin to our capabilities to do our job. In addition to adding staff, Division 1 also successfully opened a field office in Sterling, Colorado in 2006.

Staff was also responsive to the exponential growth in measurement and accounting requirements associated with these new well plans. A system by which accounting can be received, audited and maintained electronically was a major accomplishment. These issues are all discussed in more detail in the Augmentation Plan section of this report.

In addition to all the direct administration responsibilities, staff has successfully provided support to several cooperative initiatives associated with Platte River Endangered Species and overall growth in the basin. This report highlights the status of key water related projects in the South Platte and also provides an update of issues in the Republican River basin. Of note, Division 1 added 1 FTE for administration of the Republican River basin.

Not to be overlooked, the dam safety inspection program assured that jurisdictional reservoirs were restricted to safe storage levels and the hydrography branch provided important stream flow records along with measurements to assure efficient administration. Both of these teams overcame staffing shortage and loss of significant experienced personnel in successfully accomplishing their goals.

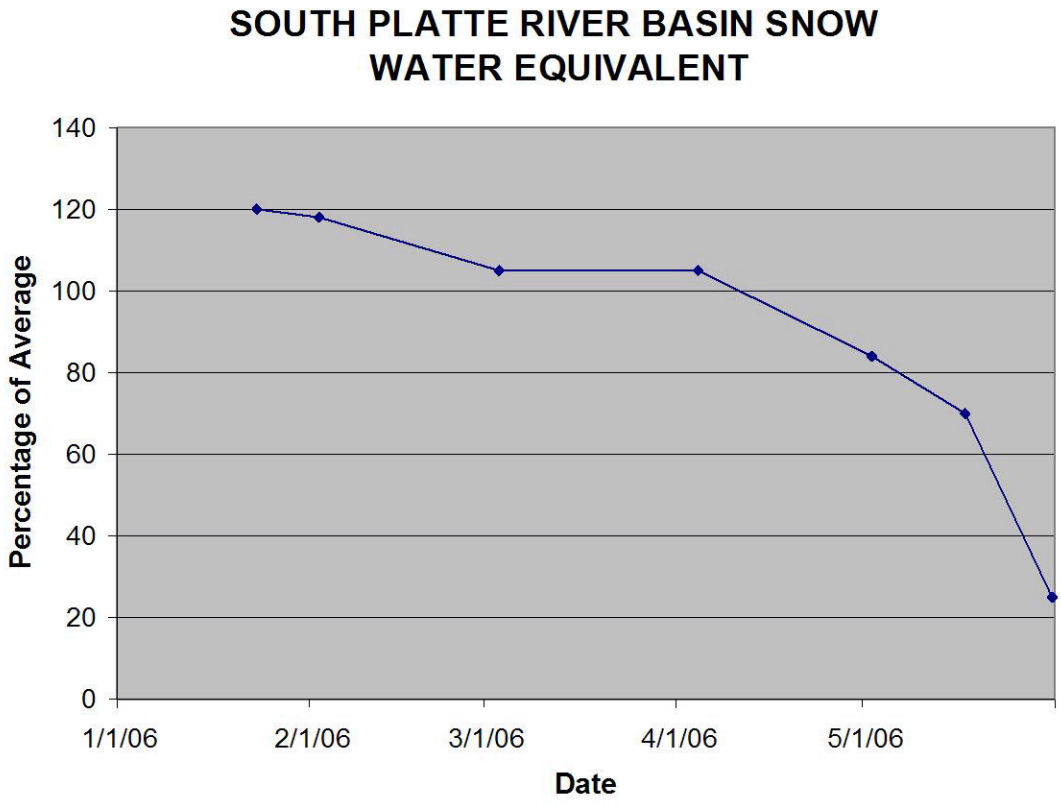
Of final note, office staff continued to do a remarkable job responding to the myriads of questions associated with enforcement, growth, well permits, diversion records, etc.

Water Supply Conditions

Water year 2006 began November 1, 2005 with water storage conditions near normal through out the basin. Early snowpack was significantly above average in the South Platte basin. As has occurred the last several years, there was a storage call through out the basin except in District 64, below the Washington County line, for the entire month of November. At the start of the water year, Division 1 staff was optimistic that all the major reservoirs would fill even without an extremely wet spring.

of February. While February was warm and dry, snow storms returned in March leaving the end of March snowpack slightly above average with Clear Creek and Boulder Creek drainage basins in the best condition. The water supply situation looked at least average going into the spring with all the main irrigation and most of the municipal reservoirs full on the South Platte mainstem and at least average storage levels on all the tributaries.

April, however, was a very dry, warm month. In addition to the snowpack declining from above to below average, flows at key index gages dropped significantly. For example, the Kersey gage, which is a key measure of



Reservoir storage continued as the main diversion in December, January, February, and March. Warmer conditions toward the end of December and through out January and February allowed for continuous storage with limited icing problems. Most mainstem reservoirs reached their winter fill by the end

flow conditions, averaged just 204 cfs: less than one quarter of the average flow of 849 cfs during April. This reduced flow was due in part to irrigation demands upstream of the gage because of the dry conditions. During many years, precipitation in April will meet much of the initial irrigation demand, but not this year. The call on the South Platte above

Kersey was 1871 for most of the latter half of the month. The calls on the tributaries mirrored the senior call on the mainstem of the South Platte.

May continued very dry. May is usually the month with the highest precipitation in the South Platte basin. Thus, the continued extremely dry conditions were even more devastating during May. The snowpack went to less than 25% of average by the end of the month.

The dry conditions created very senior call scenarios for all of the tributaries and mainstem of the South Platte. In good years, irrigation users often finish filling reservoirs or refilling reservoirs that had not been able to fill during May and June. Instead, many users were forced to rely significantly on releases from their reservoir supplies to provide adequate resources for their emerging crops. As a result, the irrigation reservoir storage levels in the basin decreased significantly. This caused serious concern for many irrigators as they depend heavily on these supplies to provide water toward the end of the irrigation season.

Like most years, the end of May saw the beginning of the runoff. The result of the 2006 Spring thaw, however, was significantly below average. June continued to be extremely dry and warm through out the South Platte basin. Stream flow was far below average for the month as indicated by the flow at the key, mainstem Kersey gage, which mimicked the severe drought year of 2002. Average June flow in 2002 at Kersey was 141 cfs while 2006 flow was 165 cfs. Both of these flow conditions were less than ten percent of the 2300 cfs historical average flow during the peak of the runoff.

Since the tributary direct flow rights are typically the more senior, most of the meager benefit from runoff was absorbed by these rights. Direct flow rights, reservoirs and recharge rights on the mainstem of the South Platte saw little or no benefit from the limited runoff.

As a result, the calls on the South Platte stayed extremely senior not allowing for any recharge or refilling of reservoirs. In fact, senior reservoirs were relied upon heavily for releases for irrigation and municipal purposes. The end of the month storage for June, 2006 also paralleled 2002 with storage below Kersey of 121,706 ac-ft in 2006 compared to 137,692 ac-ft in 2002. For comparison, the storage below Kersey at the end of June in 2005 was 242,989 ac-ft.

Because stream flow and reservoir supplies were limited, many irrigation users were even more dependent upon wells than usual for their supplies. While this scenario is not an overwhelming problem for well user groups with significant augmentation resources available to replace out-of-priority depletions, it was a major impact on other users.

Of specific note, the State Engineer was not able to approve the Substitute Water Supply Plan for the Central Colorado Water Conservancy District Well Augmentation Subdistrict. Subsequently, the Water Court issued an order that the approximately 450 wells in this plan could not be pumped in 2006, adding these wells to the hundreds of other wells curtailed the last few years as a result of increased competition for limited water supplies and dry conditions. (Please see Appendix A, “History of Well Regulation on the South Platte River Basin” by Hal Simpson for a detailed history of well administration with a focus on recent administration.)

Many farmers did not have adequate supply for all of their crops requiring them to leave fields fallow or suffer lower yields with below average conditions in the spring. This is especially true for those farmers who were dependent on wells that were curtailed or who relied primarily on reservoir supplies and/or junior ditch rights. Without significant rains during the remainder of the irrigation season, it appeared 2006 would turn out to be a disaster for most farmers.

Municipal users were in better shape than agricultural users as they generally have a

much higher safety factor in their supplies. Municipal users also responded to the recent 2002 drought by securing additional supplies. Metro area users such as Denver, Thornton, Centennial, and Aurora benefited from record setting west-slope diversions during the spring of 2006 due to a very good snowpack and runoff in areas tributary to Dillon Reservoir.

One significant extended period of rainfall in July helped reduce the severity of calls on the mainstem and tributaries of the South Platte for several days allowing some ditches that had been curtailed because of the hot, dry conditions to take water. This rain event also increased gage flows that would have otherwise continued to parallel the very dry 2002 flows.

The flow in the South Platte continued below average for the month of August, September and October because of the generally warm and dry conditions. Because of the low flows and warm conditions, there was a continued call for irrigation water in all of these months. Many users in the South Platte basin saw their crop production dramatically impacted by lack of supplies.

Overall storage in the major irrigation reservoirs east of Kersey was a mere 12% of capacity by the end of October. For comparison, reservoir levels were 2% at the end of October 2002 and 36% in 2005. It will be difficult to fill all of the irrigation reservoirs in 2007 without a significant snow pack and favorable spring conditions.

Unlike the reservoir storage for the farmers, the municipal reservoir situation was in better shape, especially for reservoirs that feed the Denver metro area. Major Metro supply reservoirs were at 90% of capacity at the end of October. This compares favorably to a 50% capacity at the end of October 2002 and more or less the same as the 86% capacity at the end of October 2005.

Innovative Administration

In an effort to improve communication, the division engineer implemented a winter time administrative procedure whereby main stem reservoirs that wish to store under the upstream out-of-priority statute are required to submit a plan to do so. Among other requirements, the plan must identify the reservoir against which the storage will be made and specify both the ability and commitment to release water to the reservoir when needed. Comments on the plan from the affected downstream senior are incorporated into the review of the plan by the division engineer. At a minimum, the reservoir storing out-of-priority must be able to timely release storage to the downstream senior. (For more detail on this subject, please see Appendix B, “South Platte Non-irrigation Season Administration” by Jim Hall, Division Engineer.) The procedure also addresses requirements associated with out-of-priority depletion replacement during the non-irrigation season.

With the increased pressure from the drought to place water into recharge structures, the division developed a recharge protocol in an attempt to standardize the administrative process. In short, only water diverted in priority or fully consumable water may be placed into recharge and, as with any direct diversion, only with the concurrent approval of the water commissioner. Plans of augmentation that are not fully replacing out-of-priority depletions must first release water to the stream to prevent the injury caused by not making such replacement; any remaining fully consumable water may then be diverted to recharge. The protocol also acknowledges that while the division engineer recognizes the diversion of water to recharge is a beneficial use, the corresponding accretions may only be credited in accordance with a decreed plan of augmentation or substitute water supply plan approved by the state engineer. As a result, water may only be diverted to recharge if the accretions have been so defined.

Another example of the division's commitment to foster communication, the District 1 & 64 water commissioner (Brent Schantz) in coordination with the Northern Colorado Water Conservancy District has aggressively pursued the installation of data loggers. The inexpensive, compact devices can be equipped with a variety of telecommunication capabilities from short range radio transmitters to cellular telephones. The data loggers are required equipment on all new recharge structures and will be installed on all principal, main stem diversion structures in 2007. Mr. Schantz has also championed the development of positive relations among all water users in his districts by organizing and hosting district tours, making presentations to ditch and user boards and inviting ditch staff in for measurement training presented by both USGS and DWR personnel.

Augmentation Plans

While the number of large augmentation plans involved in the water court process in 2006 continued to demand significant engineering and legal resources, the division office has also focused on developing procedures to audit the operation of the plans. To begin with, a system by which accounting can be received, audited and maintained electronically was a major accomplishment.

The adaptation of the water commissioner to administer winter direct flow diversions to recharge has been an equally significant development in terms of effort and accomplishment. In water district 1 and 64, winter direct flow administration now rivals if not exceeds the irrigation season. As a result, it has prompted the installation of digital flow measurement instruments on all recharge inlet structures and the principal main stem diversion structures. The development of electronic data management tools to facilitate the translation of the collected data into diversion records will be a major focus of the 2007 water year.

In the process of responding to the increased demand associated with administering plans of augmentation, however, the division is constantly reviewing the equity with which personnel and resources are utilized to administer the collective water rights interests in the division. For instance, the administration of direct diversions is something the division has done very well for a very long time. With the recent developments in plans of augmentation, significant strides have been made in the administration of indirect diversions.

In the midst of evolving administration issues, the division maintains an intentional awareness of the need to distribute resources in such a way as to make sure issues are addressed in accordance with their relative potential to impact vested water rights. As a result, while the division will continue to advance the issues associated with administering direct and indirect diversions, it is also focused on improving the audit process required to assure return flow obligations from water rights' change cases are being met and the timely accounting of reusable effluent. As both of these issues are largely related to metropolitan water supply systems, improvements in the accounting system associated with such will be a significant area of focus in 2007.

Court Decisions

Well Administration – Michael Vaughn (03CW431 – 04SA381)

The state and division engineers brought a complaint in water court against well owner Michael Vaughn for pumping in violation of a cease-and-desist order. Mr. Vaughn stipulated to all facts entered by the engineers, except that he (Mr. Vaughn) was not the "person" who turned on the well and the prosecution, therefore, had

no foundation. Mr. Vaughn did, however, acknowledge to the court that his children and father, Johnnie Vaughn, farmed his property. The water court fined Mr. Vaughn $1400, the amount sought by the engineers, for unauthorized pumping and awarded the State costs, including attorney fees.

On appeal to the Supreme Court, the Court affirmed the decision, holding that a ground water rights owner or user whose well is pumped with his authorization is a "person who diverts ground water" within the meaning of section 37-92-503(6)(a), C.R.S. (2003). Furthermore, the State presented sufficient evidence that either Vaughn or family members with his authorization continued pumping after ordered not to do so.

On remand, the water court held a one-day hearing on the amount of fees and costs due the State. The State presented evidence to substantiate incurred costs and attorney's fees of $76,268.50. The court ordered Vaughn to pay $65,285.75; the State originally had requested just over $38,000 in costs and fees before the Supreme Court and remanded fees hearing.

Change of Water Rights – Jones Ditch (00CW72, 02CW200 – 05SA120, 05SA121)

This case involves the quantification of water rights held by the Central Colorado Water Conservancy District and its Ground Water Management Subdistrict ("Central") in the Jones Ditch. To rule on Central's application, the water court was required to determine (1) the historical use of the 1882 appropriation of the Jones Ditch Water Right, and (2) Central's share of the consumptive use of that water right.

Central had previously changed (88CW127) 62 of 200 outstanding shares in the ditch and was awarded 401.4 acre-feet per year of consumptive use. Upon application to change an additional 77 shares in the two subject cases, Central presented evidence that at least 700 acres had been historically irrigated by the ditch with an associated historical use of 1.49 acre-feet/acre.

The objectors argued and the court agreed that the historical use analysis should be limited to 344 acres, the area to which Mr. Jones had presented testimony during the 1882 proceeding; 37 acres of which were the subject of the current change cases. Objectors also argued the court should distribute the remaining shares of the ditch proportionally based on a ditch-wide analysis. Because of the previous change case, the court disagreed and granted Central 66.65 acre-feet per year of additional consumptive use for the 37 "original" acres in these cases based on a parcel specific evaluation.

Upon appeal, the Supreme Court affirmed the finding of the water court that the historical use of the water right was limited to the volume of water sufficient to irrigate approximately 344 acres. The Court reversed the water court's decision to not use a ditch-wide basis and remanded the case.

Central is currently conducting a ditch-wide analysis. Should the results of that analysis agree with the 1.49 acre-feet/acre already presented to the court, the consumptive use awarded in the previous change case would exceed the available amount. The result would be that of the 200 outstanding shares of Jones Ditch, only the 62 shares previously changed will have any legal historic use.

Augmentation Plan Administration – Curtailment Authority (05SA205, 06SA106, 05SA368)

The Harmony Ditch Co. and various other objectors appealed the water court's decree in a number of augmentation plan cases that imposed a duty of curtailment on the state engineer in the language of section 37-92-305(8), C.R.S. Harmony assigned error to the water court's failure to construe the language of the statute and include in the

decree that curtailment of out-of-priority diversions is authorized only when the augmentation plan is not being operated in compliance with the other terms and conditions of the decree. The Supreme Court ruled that quoting the statute is appropriate and, "should a party suffer injury as a result of the state engineer's attempt to comply with his obligation, avenues exist to challenge the scope of his authority."

Republican River Basin

Compact Compliance

The Republican River basin covers approximately 24,900 square miles with approximately 7,700 square miles located within Colorado. Surface and ground water within the basin is governed by the Republican River Compact, originally signed in December 1943, 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.

In 2004, the Republican River Water Conservation District was created within Colorado to provide a local body to assist and cooperate with the State to assure compliance with the Compact. The District has actively pursued its role of working toward Compact compliance by hiring staff, adopting water use fees, working to retire irrigated acres through the Federal EQIP and CREP programs, and investigating surface water interruptible water supply agreements. Despite these efforts, Colorado is struggling to live within its 5-year running average compact entitlement, in large part due to the on-going drought.

For the period 1988 through 1999, Colorado's 5-year running average compact entitlement generally ranged between 35,000 and 40,000 acre-feet per year while the 5-year running average compact consumptive use generally ranged between 30,000 and 35,000 acre-feet. Since 2000, however, the 5-year running average compact entitlement has steadily declined to below 30,000 acre-feet and the 5-year running average compact consumptive use has remained fairly steady at about 35,000 acre-feet. Colorado will continue to work to bring the 5-year running average compact entitlement and the 5-year running average compact consumptive use into balance.

North Fork of the Republican River Designation Effort

As initially reported last year, the Pioneer Irrigation District, Colorado Board, and some owners of the Laird Ditch had previously filed a petition for hearing and appeal of a decision of the State Engineer to the Colorado Ground Water Commission. The petition would have essentially de-designated all groundwater hydraulically connected to the surface flows in the North Fork of the Republican River. At their regularly scheduled May 2006 meeting, the Colorado Ground Water Commission dismissed the petition. The petitioners, the Pioneer Irrigation District, Colorado Board, and some owners of the Laird Ditch, have appealed the Commission's dismissal to District Court, but no hearing date has been set as of the date of this report.

Finally, as discussed more fully in the Personnel Section of this report, a new full time Water Commissioner for the Republican River area, Dave Keeler, was hired in March 2006. Dave has been actively investigating large capacity well use in the basin and working to bring those wells irrigating more than their allocated acreage into compliance with their well permits.

DAM SAFETY

The dam safety branch in Greeley is staffed with three engineers to perform periodic dam inspections. It also receives inspection support in the upper reaches of the South Platte basin from a field

engineer assigned to the Division 2 office and from personnel in the Design Review office in Denver. In 2006, the retirement of one dam safety engineer required some adjustments to the assignments to adequately assure all necessary inspections would be made. This posit

Bureau of Reclamation. This activity has progressed to the stage of application, and will be used in 2007 to develop inspection schedules based upon placement of inspection resources where greater risk is present. The previous "1-2-6" inspection

ection

"Harper Reservoir Spillway Inspection"

The dam safety engineers performed 220 periodic dam safety inspections, and continued to assist with design review and construction inspection activities to support vacancies in the Design Review Unit in Denver. In addition to the periodic inspections, dam safety personnel performed 38 construction inspections, and made 57 additional site visits in support of dam safety activities.

An activity of the branch is development of 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

frequency for High and Significant hazard dams will be from one to three years based upon the score for a dam using the Failure Assessment Index tool.

With the completion of the hydrologic review of the spillways for Class 1 and Class 2 dams, staff is now in the process of working toward correcting spillway deficiencies. 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 moved the spillway review process back toward evaluation of

dams at higher elevations, which had been placed in abeyance a number of years ago. As the tool reaches its final stages of development, it will provide a means to model extreme storms and proceed toward the an

"Dry Creek Reservoir Dam"

Significant construction projects completed include the new 60' high roller-compacted concrete Pine Brook dam in Boulder County, and the gravel pit conversion projects of South Tani and Dunes reservoirs. Phase 1 construction of Reuter-Hess reservoir in Parker, Colorado was completed, with Phase 2 designed to increase the capacity to approximately 70,000 AF planned. Other new dam projects under construction during 2006 include the South Platte Reservoir, Cornish Plains and Dry Creek reservoir dams.

An extreme rain event in the J.O. Hill dam watershed the weekend of July 7-8 caused flooding to occur in the town of West Creek, Colorado. Although severe erosion damage occurred in the channel below the spillway, including washing out State Hwy 67, the dam performed satisfactorily. During this same storm event, a smaller dam upstream, previously unknown to Dam Safety, did overtop and sustain significant damage. The occurrence of this storm resulted in the emergency response of Douglas and Jefferson County officials.

Another significant incident occurred at the Hoder Recreation dam, where a periodic inspection found the dam to be in a state of near failure. Seepage had caused piping erosion of the embankment alongside the outlet conduit. A storage restriction was imposed to drain the reservoir.

HYDROGRAPHY

Staffing

Currently Division one is staffed with 6 FTE:

Lead PE II Bob Cooper
PE I Lee Cunning
EPS Tech II Russell Stroud
EPS Tech I Steve Barrett
EPS Tech II Vacant
EPS Tech II Vacant (South Park, ½ FTE)
EPS Tech I Bob Erosky (Sterling, ½ FTE)

Division 1 lost 50 years of experience when George Sievers and Merlin Friedrichsen retired in 2005. Tragically, Merlin passed away to cancer a short time after he retired. The dedication and honesty of these two men will be greatly missed.

Another vacancy occurred when Garver Brown accepted the water commissioner position in South Park, leaving the South Park hydrographer position open. Division staff has been juggling assignments to fill the resulting void. Russell Stroud filled Merlin's job as hydrographer for the CBT Project. Steve Barrett then moved into hydrography work full time by filling the position vacated by Russell.

The Division's two part-time hydrographers actually perform about 90% hydro work, most of which involves administrative measurements done for non-record gages, ditch ratings, and augmentation sites. The two positions receive technical supervision from the lead hydro, and personnel supervision from their lead water commissioner.

In addition to our regular staff, Division One has received assistance from the following individuals:

Mark Simpson, deputy in District 3, has taken on hydrographic responsibilities associated with the district 3 transmountain gages;

Jana Ash from the Denver Office has been operating South Platte River gages involved with municipal water supply;

Patrick Tyler from the Denver Office has been cross training by assisting Jana and also operating 3 gages near the Denver Area; and,

Clay Kimmi from the Denver Office made measurements for Division 1.

Compact Activities

A new gage on the South Platte River at Atwood was placed in full operation in late 2005 and was used throughout 2006 to track water through the South Platte River Compact reach. This gage was funded by the CWCB through the South Platte Decision Support System, and operated by our Sterling hydrographer, Bob Erosky.

Division 1 efforts to gage the South Platte River at Julesburg for the compact were hampered by the channel changes which rendered useless the gage on Channel 4. Staff had to abandon that gage and install a DCP on the main low flow tributary to channel 4, the Town of Julesburg Return Ditch. Staff has obtained funding to replace the gage on Channel 4 but is waiting for the channel to stabilize.

Operation of gages involved in our Laramie River Agreement and Republican River Compact received special attention and support from Deputy State Engineer Ken Knox this year. Lee Cunning and Tom Ley met with the USGS to improve reporting from the USGS gage on the North Fork of the Republican River at the Stateline. Ken arranged for funding to install a new control at that Stateline gage and also coordinated meetings on the Laramie River with Wyoming officials.

Cooperator Activities

The USBR is nearing a decision on whether to transfer operation of the CBT project over to NCWCD. The transfer would place a greater burden on data collection and water accounting on staff hydrographer, Russell Stroud. Some extra work has already occurred as the USBR has begun removing and switching USBR-owned SMS equipment in order to facilitate the transition.

Division 1 took over maintenance for 5 USACOE DCP's this year, when the USACOE cut funding to the USGS. The Corps transferred the equipment to DWR. Division 1 had been operating 4 of the sites. The fifth gage, Cherry Creek below Cherry Creek Reservoir, was turned over to DWR this year. Division 1 began making measurements, replaced the manometer being used there, and also upgraded the old DCP to high data rate. The other 4 USACOE gages also have low data rate DCP's and have been placed on our HDR upgrade list.

Aurora continues to pay approximately $10,000 per year for hydrographic services for their gages in South Park. Each year we meet with Aurora to discuss gage issues and where our mutual efforts can best be put. As a result of our 2006 discussions, Aurora reinstalled their flumes on the Trout Creek and Schatinger Ditch gages. DWR also arranged for a surplus 12 ft. steel Parshall flume — removed by Denver from Antero Reservoir — to be moved to Spinney Reservoir for a future installation at one of Aurora's gages.

Negotiations for hydrographic services have been underway with the City of Greeley, the City of Boulder, and Clear Creek County. Satellite Monitoring program contracts with these entities are expected to be signed during 2007.

Training

Two training sessions were conducted on water measurement for non-hydrographers. The first was done in Sterling for contractors who install flumes and weirs. At that seminar, emphasis was placed on correct installation and the points of inspection that will be made by state hydrographers. The second training was in-house, for all new staff hired within the last few years. This training emphasized common mistakes encountered in the operation of ditch and stream gages and included an afternoon tour of functional and dysfunctional flumes in District 2.

Division 1 hydrographers also received training in a variety of water measurement and safety topics at our statewide meeting in Gunnison in October, 2006. Many staff also took a Swiftwater First Responder training course in Salida arranged by Tom Ley, and floated down the Arkansas in lifejackets!

Satellite Monitoring

Division 1 hydrographers operate 114 DCP's which transmit data for 128 gages. In addition, staff measure and maintain web data for 33 more gages where the DCP's are operated by cooperators. This brings the total shift-entry/data-responsible web page sites to 161.

Division 1 equipment upgrade program has converted 91 of our 114 DCP's to High Data Rate (hourly transmission), putting us at 80% completion. Since many DCP's are owned by cooperators, however, the overall conversion to high data rate is 67%. The breakdown is as follows:

High Data Rate / Total		
DWR	91 /114	DWR 80% complete
USACOE	2 / 7	11 sites, 7 DCP's
AURORA	3 / 19	20 sites, 19 DCP's
C. SPRINGS	0 / 2	

	96/144	Div. 1, 67% complete

Construction Projects

These projects were funded by cash funds generated from cooperator contracts and by a CWCB program to flood harden gaging stations.

WELDON VALLEY DITCH RETURN— SMS web page by using a Radio Link to the DCP at the South Platte River near Weldona .

FULTON DITCH NEAR THORNTON—Shelf DCP an

SOUTH PLATTE RIVER BELOW CHATFIELD RESERVOIR — Disconnected remote data line to USACOE DCP on the Reservoir and installed DWR DCP; Rebuilt shelf, moved equipment and drilled holes in 13" concrete floor to put the encoder on its own float.

SOUTH PLATTE RIVER AT WATERTON - Bank-operated Cabled Cableway installed.

Measurement Device Inspections

A new ramp flume was installed by consulting engineers at Fulton Ditch. Extensive measurements revealed that the flume did not function correctly. A letter was sent ordering modifications to the gage inlets and installation of a measurement foot-bridge. Completion of the requested items is expected before the start of the 2007 season.

"Installation of Bank-Operated Cableway at South Platte River at Waterton"

Per request from CDWR, a new measurement bridge was installed at the Adams Tunnel flume by the USBR. Measurements made from the new bridge support DWR contentions that the Tunnel at peak flow has been running 575 cfs instead of its designed and decreed flow of 550 cfs.

Published Streamflow Records (Two more than WY2005)	76
Measurements Made	1,274

(164 more than WY2005)

Bob Cooper	60
George Sievers	68
Merlin Friedrichsen (Short Term Disability)	0
Lee Cunning	137
Russell Stroud	217
Garver Brown	201
Steve Barrett	259
Jana Ash	95
Mark Simpson	35
Patrick Tyler	30
Bob Erosky	137
Clayton Kimmi	30
Jack Davis	5

	1274

COMMUNITY INVOLVEMENT

As always, Division One personnel continue to attend and make presentations at Conservancy District meetings and Ditch Company meetings as well as meetings of water user, realtor, and homeowner groups. In addition, in 2006 several special efforts related to community involvement included:

- Co-Sponsoring a Weir & Flume Workshop in Sterling in late February 2006 with the Northern Colorado Water Conservancy District and the Lower South Platte Water Conservancy District. This workshop included presenters from Division One, the US Bureau of Reclamation, and the Northern Colorado Water Conservancy District. The purpose was to introduce water users to different flume designs such as long throated flumes as well as point out what makes a good or bad measurement structure. The workshop was very well attended by the public and Division One received positive feedback associated with it.
- Working closely with the Northern Colorado Water Conservancy District, the Lower South Platte Water Conservancy District, and other entities on a surface water measurement study. This study used a variety of electronic data collection and transmission devices and combinations thereof to determine which devices and specific combinations of devices gave the best combination of reliability, functionality and accuracy for the least cost.
- Co-Sponsoring a water user tour of significant structures in Water District 64 in late July 2006 with the Lower South Platte Water Conservancy District. This tour was primarily for water users from Water District 1 and the very upper part of Water District 64 to facilitate more open communication among users and to remove some of the uncertainty/doubt as to the reasonableness of calls for water originating in Water District 64.
- Opening a satellite office in Sterling in October 2006. This office maintains regular office hours and provides a place in northeastern Colorado for the public to interact personally with Division One staff to water rights related questions. An Open House was also held to officially introduce the public to the new office in December 2006.

For the seventh consecutive year, the Division of Water Resources sponsored a booth at the Greeley Farm Show. This show happens in late January and again this year, the staffs of both the Denver and Greeley offices coordinated shifts at the booth. The booth provides a great venue to distribute information and answer questions in an informal public setting. It still seems that the public values this opportunity for communication as positive feedback is still being received.

FRONT RANGE WATER SUPPLY DEVELOPMENT

Interbasin Compact – Water for the 21st Century and Surface Water Supply Initiative (SWSI)

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 the two Interbasin Compact Committees within the South Platte basin – South Platte basin and the Denver Metro Area basin. These Basin Roundtables facilitate discussions on water issues and encourage locally driven collaborative solutions. The broad-based, collaborative nature of this process is reflected in the roundtable membership. To help the Basin Roundtables accomplish their major responsibility of developing a basin-wide needs assessment, they have relied on groundwork completed during the Statewide Water Supply Initiative (SWSI).

The Statewide Water Supply Initiative (SWSI) Report developed a number of findings and recommendations. These findings and recommendations were reviewed by the Colorado Water Conservation Board (CWCB) and led to the adoption of two mission statements, which can be found in Section 11 of the Report. Based on the findings and recommendations, the CWCB mission statements, discussions with SWSI Basin Roundtables (BRTs) and stakeholders, and recommendations of the SWSI consulting team and CWCB staff, an initial set of priorities have been developed for further analysis. The purpose of SWSI Phase 2 is to further analyze, evaluate, and develop deeper consensus in four key areas. In order to do this, Technical Roundtables (TRTs) have been formed to continue the dialogue in a facilitated meeting forum and conduct technical work around four key areas:

- Water Efficiency (Agricultural and Municipal & Industrial [M&I])
- Alternative Agricultural Transfers to Permanent Dry-up
- Prioritize and Quantify Recreation and Environment Needs
- Addressing the 20 Percent M&I Gap, Agricultural Shortages, and Environmental and Recreational Needs Including Development of Alternatives

South Metro Water Supply Authority

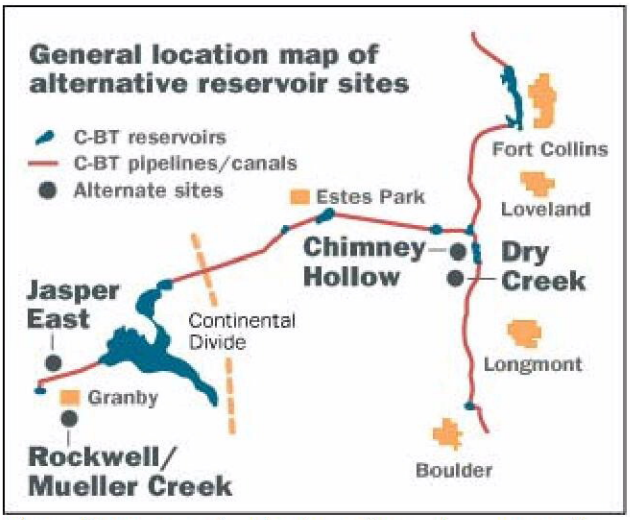
Over the last year, the South Metro Water Supply Authority (SMWSA) has continued its regional master planning efforts to update and extend the extensive South Metro Water Supply Study completed in 2003. SMWSA has reorganized and is now known as South Metro Water (SMW). The members of SMW work both individually and together to develop major new and ongoing water projects. SMW currently supports and is building on the following projects: the Chatfield reallocation project, the construction of Rueter-Hess Reservoir and treatment plant near Parker, the East Cherry Creek Valley Pipeline in Arapahoe and Adams Counties, East Cherry Creek Valley western pipeline, implementation of Castle Rock water resources strategic master plan, the Cottonwood Arapahoe County reuse facility, and identification of potential renewable water rights on the South Platte River.

Chatfield Storage Reallocation Project

Due to increasing demand for water supply in the Denver metro area and the difficulty in getting approval for new water supply reservoirs, the Colorado Water Conservation Board (CWCB) along with upstream and downstream water users and in-stream interests are studying the possibility of converting existing flood control storage space to water supply space for municipal, agricultural, ecosystem and recreational benefits. This feasibility study, started in 1994, includes analysis of existing and three alternative operations of Chatfield Reservoir. The three alternatives are: 1) a raise to 5434 feet, providing 2900 acre-feet of storage, 2) a raise to 5437 feet, providing 7700 acre-feet of storage, and 3) a raise to 5444 feet providing 20,600 acre-feet of storage. The end product will be a Feasibility Report (FR), including an Environmental Impact Statement (EIS), U.S. Fish and Wildlife Coordination Act Report, archeological assessment, public notice, and exhibits and supporting appendixes for the study. Based on this end product, the US Army Corps of Engineers (USACE) will determine if it should reallocate some flood control storage capacity in Chatfield Reservoir and, if so, how much. The final FR/EIS is currently scheduled for release in January of 2008 and a final decision from the USACE is currently scheduled for March 2008. If the reallocation is approved, the water control manual will need to revised.

Windy Gap Firming Project (WGFP)

In 2003, Northern Colorado Water Conservancy District (NCWCD) completed the WGFP Alternative Plan Formulation Report, which recommended seven alternative plans for more detailed study and modeling. Each of these plans requires a physical connection of WGFP facilities to C-BT Project facilities, which in turn requires permission from the U.S. Bureau of Reclamation and compliance with the National Environmental Policy Act (NEPA). Over the last year, the Bureau of Reclamation reevaluated the seven original alternatives as well as those identified by the public during the scoping phase of the project. This resulted in a WGFP Alternatives Analysis Report completed in September of 2005, which describes four alternatives (pictured below) that will be evaluated in detail in an Environmental Impact Statement (EIS) report required by NEPA.



The Bureau of Reclamation is currently evaluating alternatives for potential effects to streamflow and reservoirs, water quality, wetlands, wildlife, threatened or endangered species, cultural resources, recreation, visual quality, socioeconomics, and other issues identified during scoping. The Bureau of Reclamation will use the information obtained from these investigations to prepare the draft EIS, scheduled for release in the summer of 2007. If a permit is issued to the participants, project design will take two years and construction will occur over an additional three to four year period.

PLATTE RIVER ENDANGERED SPECIES RECOVERY PROGRAM

Background

The United States Fish and Wildlife Service ("U.S.F.W.S.") listed the whooping crane, piping plover, least tern, and pallid sturgeon under the federal Endangered Species Act, and 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 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) also signed the agreement in 2006.

Federal authorization legislation is being advanced in Washington D.C. Senators Allard and Salazar introduced Senate Bill 3611 on June 29, 2006, which would provide federal authorization for participation in the Program. Federal legislation that will appropriate funds for the Program will be pursued as well.

The Program provides measures to help recover the four endangered or threatened species, thereby enabling existing water projects in the Platte River Basin to continue operations, as well as new water projects to be developed in compliance with the Endangered Species Act (ESA). A Governance Committee to oversee implementation of the recovery program was created by the Program Agreement, with representatives from the Interior's lead agencies (the Bureau of Reclamation and the U.S. Fish and Wildlife Service), each of the three states, Platte Basin water users, and environmental organizations.

The Program is a basin-wide effort undertaken by Colorado, Wyoming, Nebraska, and the Department of the Interior to provide benefits for the endangered interior least tern, whooping crane, and pallid sturgeon and the threatened piping plover (the target species). See the attached map of the Platte River program area. Through the program the States and the federal government would provide land, water, and systematic monitoring and research. The Program is designed to be incremental, with the first increment lasting at least 13 years. During the first increment, the program objectives are to: 1) retime and improve flows in the central Platte River by an average of 130,000 to 150,000 acre-feet per year at Grand Island; 2) protect, restore, and maintain 10,000 acres of habitat; and, 3) implement the integrated monitoring and research plan ("IMRP") through the Adaptive Management Plan ("AMP").

The monetary cost of the first increment of the Program is $187 million (2005). In addition to monetary contributions the States plan to contribute water and land to the program. The total burden of the program in terms of monetary, water, and land contributions will be shared equally by the United States and the three States (50% federal/50% States).

Colorado's Obligations

Colorado would have obligations to provide money and water for implementation of the Program. Colorado would be responsible for $24 million (2005 dollars, final cash contributions would have to be adjusted for inflation). This money would be used to acquire and restore habitat for the target species and to implement the IMRP and the AMP. 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 1800 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 satisfying this water obligation through drilling and operating wells and recharge pits to retime water. This project is expected to net approximately 4200 acre-feet annually towards ours 10,000 acre-feet annual requirement. Colorado will need additional water projects 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 been developing an MOU to define responsibilities and roles regarding the financial, water, and accounting obligations associated with the Program. SPWRAP would obtain its funds from its water users and SPWRAP members would also receive streamlined approvals through coordination with the State, from the FWS.

SPWRAP is formed to represent water users in the Platte Program process and be the water user contact point for Platte ESA issues in Colorado. The majority of SPWRAP member funding is designed to come from municipal entities (about 99%), but other user type organizations are encouraged to become members. The initial yearly membership fee for agricultural ditch and reservoir companies to belong to SPWRAP is 3 cents per irrigated acre. Entities can become members now or at a future date. Entities which become members in the future will have to pay for all past costs as if they had been members since the first year.

PERSONNEL/WORKLOAD

Personnel Changes

Irrigation Year 2006 was a very active year in terms of personnel changes in Division One. As a result of Decision Items approved by the Legislature in 2005 and 2006 Division 1 added 5.5 full time employee positions and that, combined with 2 retirements, 1 resignation, 1 promotion, and 1 transfer lead to the hiring of 7 new employees. The following is a brief run-down of these changes.

After working for almost two years as the Deputy Water Commissioner for Water Districts 8, 9, and 80, Patrick Alexander

resigned in January 2006 to pursue other career opportunities.

Dan Garner was hired as the Deputy Water Commissioner for Districts 8, 9, and 80 in May 2006. Dan came to us with a wide variety of work experience including spending 5 years working as the irrigator and water system operator at a camp in the mountains near Grant, Colorado. Dan has already proven to be a very capable hand and we expect he will continue to be a great employee.

David Keeler was hired in March 2006 as the Republican River Water Commissioner. This position was created by a Decision Item approved by the Legislature in 2005 to help Colorado comply with the revised terms of the Republican River Compact. Dave has extensive experience with wells and well testing, having been the manager of Y-W Well Testing Association for several years. Dave also has practical surface water experience; having been the foreman of a ranch in Wyoming that flood irrigated 4,500+ acres. Dave has a lot of history in the Wray, Colorado area as his family settled there nearly 100 years ago.

George Sievers retired in April 2006 with over 30 years of service working in Division 1. George worked many years on the key gages of the Poudre River and lower South Platte. The gages on the South Platte are some of the most difficult on which to maintain an accurate stage/streamflow relationship with the constantly changing flows and shifting sand channels. George was considered the ultimate water commissioners' Hydrographer. He was always available to make a measurement whenever he was asked whether late Friday evening or very early on a Sunday morning. George's dedication and experience will be greatly missed by our division.

Eugene Brienza was hired as the District 7 Deputy Water Commissioner and a Well Enforcement Deputy Commissioner in May 2006. Gene came to us with a wealth of knowledge, having grown-up in the Clear Creek basin and worked as the Superintendent of the United Ditch Company for eleven years. Gene's sense of humor, strong work ethic and can-do attitude have made him very successful in his new position.

John Anderson retired in June 2006 after 18 years working for Division 1. John started his career with Division 1 in August 1987 as the permanent part-time Deputy Water Commission in Water District 4. He became a full-time Deputy Water Commissioner in Water District 1 in 1989. John's strengths are in his customer service skills and the ability to give detailed reports when asked to investigate a water problem. His willingness to help and years of water experience will be missed.

Jason Smith was hired as a full time Deputy Water Commissioner for Districts 1 and 64 in June 2006. We were fortunate enough to hire Jason as a temporary employee in early June so he could spend about a month "learning the ropes" from John Anderson, who retired the end of June. Jason grew up on a farm near Troy, Idaho, and received his BS in Geography/GIS from UNC in August 2006. Jason is a real "go-getter" and we look forward to his continued development/understanding in water administration matters.

John Batka transferred from our Groundwater Engineer position into a vacant Dam Safety Engineer position in June 2006. John started with us as our Groundwater Engineer in September 2005, but his construction experience from his previous consulting engineering job made him a natural fit as a Dam Safety Engineer. John is a great asset to Division 1 as shown by his willingness to continue to provide some support to the well enforcement team while we sought to refill the Groundwater Engineer position as well as learn/do all of his new Dam Safety Engineer duties.

William Elvis Cunningham was hired as a full-time Well Enforcement Deputy Commissioner based in Greeley in July 2006. Elvis grew up on a farm in the Las Animas

area. He received his BS in Geography/GIS from UNC in May 2006. His excellent work habits and calm demeanor have already proven to be a great asset in the sometimes less than pleasant task of well enforcement.

Bruce Phillips was hired in September 2006 as a full time employee based in Sterling. Bruce will split his time between surface water and ground water administration as both a Well Enforcement Deputy Commissioner and a Deputy Water Commissioner. Bruce comes to us with a wide variety of work experience including spending the last 6 years working for the City of Sterling on their water system. Bruce's varied talents and work experience are providing a strong base for working on both well enforcement and general water administration.

Rick Hoffman started in October 2006 as a Well Enforcement Deputy Commissioner based out of the Greeley office. Rick has a great deal of prior water experience, having served as the superintendent of the Farmers Highline Canal and Reservoir Company for over ten years as well as working for the City of Boulder and the Town of Cheyenne Wells. Rick has been a great asset to Division 1, not only in well administration but also in surface water administration.

Louis Flink was promoted to the Division 1 Lead Well Commissioner position on November 1, 2006. Louis started with Division 1 in June 2004 in the position of Well Administration Coordinator, which was created out of an existing Deputy Water Commissioner position to deal with all the changing large capacity well issues facing Division 1. Louis proved to be a great fit for this position and rapidly exceeded all our expectations of what the person in this position could accomplish, so it was only natural that he move up to lead the Division 1 well administration team when that position was created.

On a sad note, Merlin Friedrichsen succumbed to his battle with cancer in early November 2006. Merlin had taken a medical retirement in March 2006 because of his illness. Merlin was an outstanding employee for Division One both as a Deputy Water Commissioner and as a Hydrographer for 17 years. He is dearly missed.

Decision Item Requests

As stated in last year's report Division One sought a decision item for the 2006 legislative session to hire 4.5 FTE and funds for a satellite office in Sterling because of the increase in well regulation/administration. This request was ultimately approved and the additional employees hired as discussed above. The office space in Sterling has also been secured. The additional FTE's and the Sterling satellite office have both been instrumental in the advances made in irrigation year 2006 on well regulation in Division One and in providing public service to the lower end of the South Platte River in Colorado.

During the late spring of 2006, the State Engineer and the Division One Engineer recognized the need to propose another decision item to the legislature both for proper administration of well augmentation plans and to deal with the more complex issues associated with municipal change of water right decrees and the extended call period brought about because of the drought and reduced cooperation among water users. As a result of the recognition, Division One proposed a decision item for the 2007 legislative session to add 4 additional staff members for well augmentation plan and municipal change of water right administration. This request includes 2 PSRS (Physical Science Research Scientist) I positions to deal with well administration and municipal water accounting issues and 2 EPSA (Engineering Physical Sciences Assistant) III positions to perform additional field work associated with well administration and municipal water accounting issues. All of these new positions will be based in the

Greeley Office. As of press time, this decision has been approved by the JBC and is awaiting consideration by the whole legislature.

Employee Recognition

Brent Schantz was selected as the Water Commissioner of the Year for Division One for 2006. Brent is responsible for administration the South Platte River mainstem in Districts 1 and 64. Brent not only did an outstanding job of dealing with this large area that is home to most of the irrigation wells and the associated augmentation plans, but he also took on additional responsibilities by organizing a water measurement workshop in Sterling. Brent also worked closely with the Northern Colorado Water Conservancy District, the Lower South Platte Water Conservancy District, and other entities on a study of electronic data collection and transmission methods for surface water measurement structures to aid in the expanding need for near real time data to properly administer well augmentation plans.

Garver Brown was recognized for the exemplary work he does as both the Hydrographer and Deputy Water Commissioners in District 23. He is both highly regarded by his peers in the Hydrography unit, as well as his lead Water Commissioner and the water users within District 23.

Russell Stroud was recognized for his technical expertise, his willingness to pick up the slack with the retirement of two hydrographers and his work with Sutron Corporation to help them develop a simple, reliable electronic data collection platform that would meet all of Division One's requirements.

The Division recognized Linda Korf and Dawn Ewing for their continued service to the public and staff responding to the myriad of different requests efficiently, knowledgably and courteously.

Table 1 – Storage Comparison

South Platte River Basin

Reservoir Storage (1000 AF) - End of January, 2007

RESERVOIR	USABLE CAPACITY	USABLE STORAGE THIS YEAR	USABLE STORAGE LAST YEAR	USABLE STORAGE AVERAGE
ANTERO	19.9	17.0	6.9	16.4
BARR LAKE	32.0	24.5	22.4	24.0
BLACK HOLLOW	6.5	2.3	1.5	3.9
BOYD LAKE	44.0	12.8	30.5	32.1
BUTTON ROCK	16.2	15.2	14.3	13.0
CACHE LA POUDRE	10.1	3.6	5.6	7.2
CARTER	108.9	28.5	54.2	84.6
CHAMBERS LAKE	8.8	2.0	4.5	3.0
CHEESMAN	79.0	72.7	73.2	59.7
COBB LAKE	22.3	3.4	9.1	13.9
ELEVEN MILE	98.0	99.8	99.0	95.9
EMPIRE	36.5	13.1	20.8	22.8
FOSSIL CREEK	11.1	7.6	8.4	6.8
GROSS	42.0	23.7	26.8	26.0
HALLIGAN	6.0	3.8	4.1	4.3
HORSECREEK	14.7	7.5	12.5	11.6
HORSETOOTH	149.7	100.2	73.9	99.0
JACKSON	26.1	19.4	22.4	26.1
JULESBURG	20.5	17.6	15.9	18.8
LAKE LOVELAND	14.0	10.9	11.5	8.7
LONE TREE	9.0	5.8	6.9	6.4
MARIANO	6.0	3.9	3.4	4.2
MARSHALL	10.0	4.2	5.0	5.1
MARSTON	13.0	9.3	0.8	12.8
MILTON	24.0	14.1	18.7	15.5
POINT OF ROCKS	70.6	30.9	50.0	57.0
PREWITT	28.2	6.1	21.6	19.3
RIVERSIDE	55.8	36.7	42.9	41.7
SPINNEY MOUNTAIN	49.0	31.7	36.3	33.3
STANDLEY	42.0	40.0	35.6	33.1
TERRY LAKE	8.0	5.7	5.4	5.3
UNION	No Report			
WINDSOR	19.0	1.3	6.4	10.8

Information taken from Colorado Basin Outlook Report, February 1, 2007

Table 2 – Water Snowpack

South Platte River Basin

WATERSHED	NUMBER OF DATA SITES	THIS YEAR AS % OF	
		LAST YEAR	AVERAGE
BIG THOMPSON BASIN	7	103	95
BOULDER CREEK BASIN	5	98	110
CACHE LA POUDRE BASIN	8	86	91
CLEAR CREEK BASIN	4	80	94
SAINT VRAIN BASIN	4	86	78
UPPER SOUTH PLATTE BASIN	15	91	94

*Information taken from Colorado Basin Outlook Report, April 17, 2007

Figure 1 - 2006 Diversions by Water District

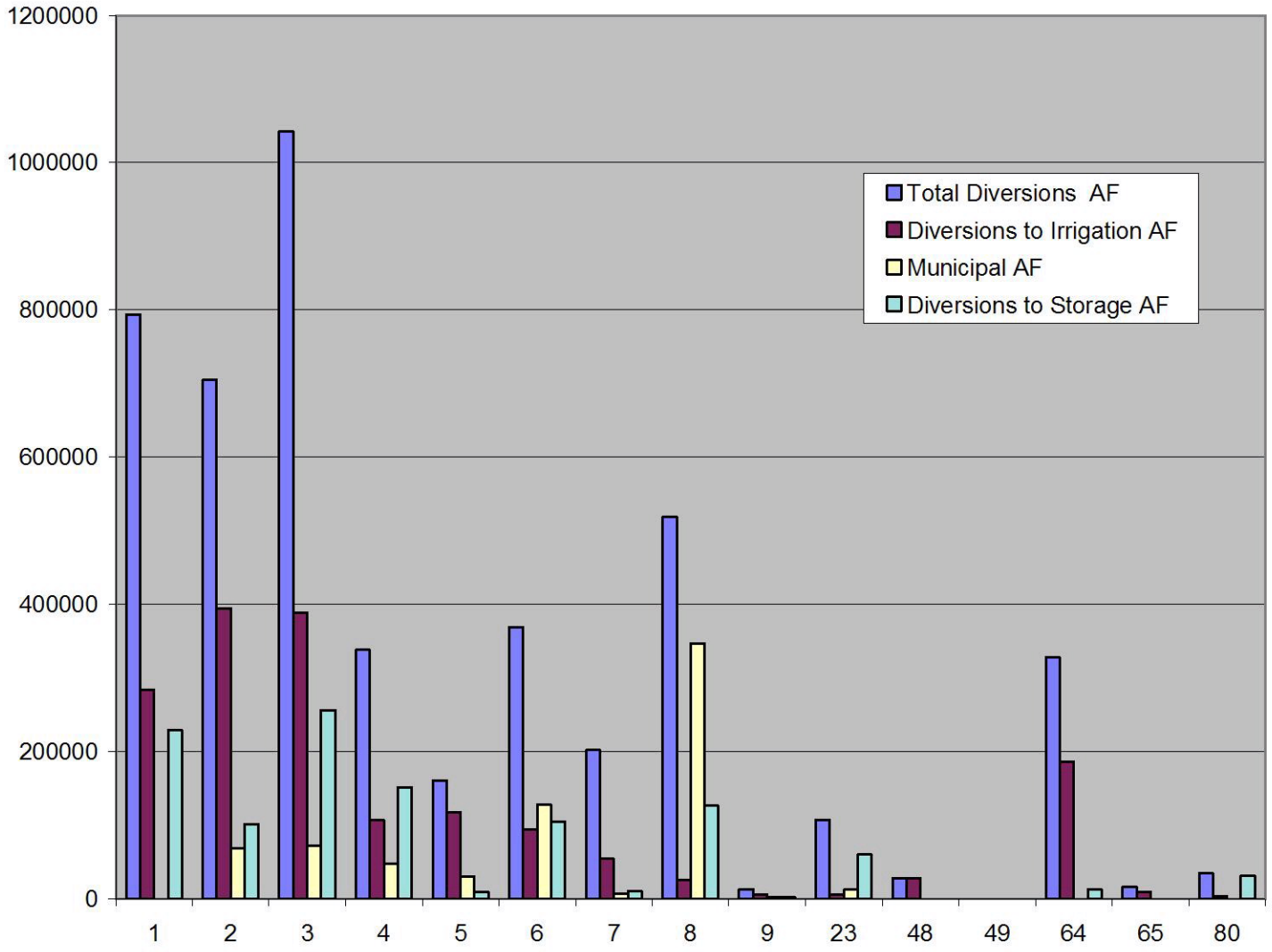


Table 3

Table 3 – Transmountain Diversion Summary

South Platte River Basin – Inflows

(November 2005 – October 2006)

RECIPIENT								SOURCE		
				10 YEAR AVG		CURRENT YEAR				
WD	ID	NAME	STREAM	AF	DAYS	AF	DAYS	WD	ID	STREAM
3	4604	WILSON SUPPLY DITCH	CACHE LA POUDRE RIVER	1,184	56	673	64	48	4604	SAND & DEADMAN CR.
3	4608	DEADMAN DITCH	CACHE LA POUDRE RIVER	232	37	306	60	48	4608	DEADMAN CREEK
3	4606	BOB CREEK DITCH	CACHE LA POUDRE RIVER	65	38	107	40	48	4606	NUNN CREEK
3	4607	COLUMBINE DITCH	CACHE LA POUDRE RIVER	0	0	0	0	48	4607	DEADMAN CREEK
3	4600	LARAMIE-POUDRE TUNNEL	CACHE LA POUDRE RIVER	9,373	88	9,445	70	48	4600	LARAMIE RIVER
3	4605	SKYLINE DITCH	CACHE LA POUDRE RIVER	231	12	158	15	48	4605	LARAMIE RIVER
3	4602	CAMERON PASS DITCH	CACHE LA POUDRE RIVER	50	24	82	33	47	4602	MICHIGAN RIVER
3	4603	MICHIGAN DITCH	CACHE LA POUDRE RIVER	2,945	317	1299	338	47	4603	MICHIGAN RIVER
3	4601	GRAND RIVER DITCH	CACHE LA POUDRE RIVER	11,629	148	9,957	177	51	4601	COLORADO RIVER
4	4634	ADAMS TUNNEL	BIG THOMPSON RIVER	152,177	333	138,156	321	51	4634	COLORADO RIVER
6	4655	MOFFAT TUNNEL	SOUTH PLATTE RIVER	35,724	364	40,806	365	51	4655	FRASER RIVER
7	4625	BERTHOUD PASS DITCH	CLEAR CREEK	602	67	423	115	51	4625	FRASER RIVER
7	4626	VIDLER TUNNEL	CLEAR CREEK	313	73	323	39	36	4626	MONTEZUMA CREEK
7	4682	STRAIGHT CREEK TUNNEL	CLEAR CREEK	167	292	174	365	36	4682	STRAIGHT CREEK
8	653	ROBERTS TUNNEL	SOUTH PLATTE RIVER	51,603	290	55,237	351	36	4684	BLUE RIVER
23	4611	BOREAS PASS DITCH	SOUTH PLATTE RIVER	117	67	94	72	36	4685	INDIANA CREEK
23	4612	HOOSIER PASS DITCH	ARKANSAS RIVER	5,820	168	6,079	213	36	4683	BLUE RIVER
23	4490	AURORA HOMESTAKE	SOUTH PLATTE RIVER	18,713	230	20,359	324	37	4644	HOMESTAKE CREEK

Table 4 – Reservoir Storage Summary by Water District

South Platte River Basin

WATER DISTRICT 1

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
1	3592	HORSE	HORSE CREEK	1,746	11/30/06	14,333	03/31/06	1,970
1	3609	PROSPECT	PROSPECT CREEK	0	09/30/06	5,610	03/31/06	0
1	3651	RIVERSIDE	SOUTH PLATTE	8,960	09/30/06	62,355	03/31/06	13,599
1	3816	EMPIRE	SOUTH PLATTE	0	07/31/06	34,742	03/31/06	0
1	3817	JACKSON	SOUTH PLATTE	0	08/31/06	27,296	03/31/06	0
1	3902	LORD	SOUTH PLATTE	0	11/30/05	405	02/28/06	0
1		TOTALS		10,706		144,741		15,569

WATER DISTRICT 2

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
2	3351	BULL CANAL #8	CLEAR CREEK	869	08/31/06	3,121	04/30/06	1,230
2	3375	QUINCY RESERVOIR	SOUTH PLATTE	1,175	07/31/06	2,693	02/28/06	1,603
2	3592	HORSE CREEK	SOUTH PLATTE	1,746	11/30/05	14,333	03/31/06	1,970
2	3609	PROSPECT	SOUTH PLATTE	0	09/30/06	5,610	03/31/06	0
2	3699	WEST GRAVEL LAKES COMBINED	SOUTH PLATTE	1,676	06/30/06	2,722	01/31/06	2,608
2	3700	TANI LAKES COMBINED	SOUTH PLATTE	4,753	06/30/06	13,961	10/31/06	4,753
2	3837	OASIS RES/BARR	SOUTH PLATTE	3,826	09/30/06	29,613	03/31/06	6,917
2	3858	LOWER LATHAM	SOUTH PLATTE	3,330	08/31/06	6,212	11/30/05	4,215
2	3861	GREAT WESTERN	WALNUT CREEK	1,678	11/01/05	1,678	06/30/06	2,284
2	3876	MILTON	SOUTH PLATTE	2,214	10/31/06	21,408	03/31/06	2,214
2	3903	STANDLEY	WOMAN CREEK	33,801	04/30/06	41,683	07/31/06	36,116
2		OTHERS		1,964		4,247		2,757
2		TOTALS		57,032		147,281		66,667

WATER DISTRICT 3

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
3	3676	LONG DRAW/GRAND RIVER	LONG DRAW CREEK	955	08/31/06	7,923	05/31/06	2,268
3	3678	MOUNTAIN SUPPLY RESERVOIR #20	JOE WRIGHT RESERVOIR	3,942	03/31/06	7,025	07/31/06	4,689
3	3679	CHAMBERS	JOE WRIGHT CREEK	2,318	05/31/06	7,884	06/30/06	3,417
3	3683	BARNES MEADOW RESERVOIR	BARNES MEADOWS CREEK	1,161	04/30/06	2,328	07/31/06	2,296
3	3686	COMANCHE RESERVOIR	BIG BEAVER CREEK	0	11/01/05	0	11/01/05	0
3	3697	NORTH POUDRE #2/DEMMEL LAKE	N FK POUDRE RIVER	1,856	06/30/06	2,976	08/31/06	2,926
3	3698	NORTH POUDRE #5/BEE LAKE	N FK POUDRE RIVER	2,744	08/31/06	4,779	11/01/05	2,940
3	3699	NORTH POUDRE RESERVOIR #6	N FK POUDRE RIVER	3,003	09/30/06	5,929	11/01/05	3,034
3	3702	NORTH POUDRE #3/HACKEL LAKE	N FK POUDRE RIVER	2,116	06/30/06	2,655	07/31/06	2,356
3	3704	NORTH POUDRE #4	N FK POUDRE RIVER	315	08/31/06	764	09/30/06	605
3	3707	INDIAN CREEK/MTN SUPPLY #16	INDIAN CREEK	0	08/31/06	667	11/01/05	0
3	3708	MOUNTAIN SUPPLY RESERVOIR #18	BOX ELDER CREEK	260	09/30/06	572	08/31/06	260
3	3712	HALLAGAN/NORTH POUDRE #16	N FK POUDRE RIVER	976	08/31/06	4,792	02/28/06	1,706
3	3713	SEAMAN/MILTON SEAMAN	N FK POUDRE RIVER	5,008	11/01/05	5,008	11/01/05	5,008
3	3715	PARK CREEK	PARK CREEK	280	09/30/06	6,086	04/30/06	323
3	3716	NORTH POUDRE #15	N FK POUDRE RIVER	1,079	08/31/06	5,253	04/30/06	1,142
3	3725	DOUGLASS	CACHE LA POUDRE RIVER	2,734	08/31/06	4,780	03/31/06	2,763
3	3726	WORSTER	SHEEP CREEK	101	07/31/06	2,524	06/30/06	293
3	3727	WINDSOR RESERVOIR #8	CACHE LA POUDRE RIVER	0	09/30/06	7,690	11/01/05	0
3	3728	NO. 8 ANNEX	CACHE LA POUDRE RIVER	0	08/31/06	2,145	11/30/05	0
3	3730	COBB LAKE	CACHE LA POUDRE RIVER	3,416	09/30/06	9,292	11/01/05	3,416
3	3732	HORSETOOTH	DIXON CANYON CREEK	68,808	11/30/05	126,323	04/30/05	69,290
3	3735	CURTIS	CACHE LA POUDRE RIVER	380	09/30/06	596	11/01/05	380
3	3736	ROCKY RIDGE/WATER SUPPLY #1	CACHE LA POUDRE RIVER	2,805	02/28/06	3,363	05/31/06	3,125
3		SUBTOTALS		104,257		221,354		112,237

WATER DISTRICT 3 (CONTINUED)

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
		BALANCE FROM PREVIOUS PAGE		104,257		221,354		112,237
3	3737	WATER SUPPLY #2 & #3	CACHE LA POUDRE RIVER	376	07/31/06	2,806	11/01/05	403
3	3738	WINDSOR RESERVOIR	CACHE LA POUDRE RIVER	2,870	08/31/06	10,743	04/30/06	3,193
3	3739	WATER SUPPLY #4	WATER SUPPLY RES #2 & #3	69	08/31/06	396	11/01/05	69
3	3740	KLUVER	CACHE LA POUDRE RIVER	353	06/30/06	507	11/30/05	189
3	3742	LONG POND/WATER SUPPLY #5	CACHE LA POUDRE RIVER	1,603	08/31/06	2,415	06/30/06	2,012
3	3744	BLACK HOLLOW	CACHE LA POUDRE RIVER	2,468	03/31/06	5,168	06/30/06	3,337
3	3745	DOWDY LAKE RESERVOIR	SOUTH PINE CREEK	581	10/31/06	800	11/01/05	581
3	3751	SOUTH GRAY RESERVOIR	BOX ELDER CREEK	142	06/30/06	330	04/30/06	177
3	3770	WINDSOR LAKE	CACHE LA POUDRE RIVER	1,180	10/31/06	2,940	04/30/06	1,180
3	3772	SEELEY	CACHE LA POUDRE RIVER	816	08/31/06	1,176	02/28/06	915
3	3774	FOSSIL CREEK	FOSSIL CREEK	1,283	08/31/06	9,782	02/28/06	4,059
3	3775	TIMNATH	DUCK SLOUGH	44	09/30/06	7,723	03/31/06	1,115
3	3780	CLAYMORE	CACHE LA POUDRE RIVER	100	07/31/06	805	05/31/06	276
3	3786	WOOD	ROLLARD DRAW	103	10/31/06	2,533	12/31/05	103
3	3804	WARREN	CACHE LA POUDRE RIVER	743	09/30/06	1,558	06/30/06	1,271
3	3805	TERRY/LARIMER WELD	CACHE LA POUDRE RIVER	722	08/31/06	5,367	12/31/05	1,396
3	3814	PANHANDLE RESERVOIR	PANHANDLE CREEK	1,017	11/01/05	1,017	11/01/05	1,017
3	3952	RAWHIDE	CACHE LA POUDRE RIVER	14,492	08/31/06	16,051	01/31/06	14,586
3		OTHERS		4,279		7,523		4,660
3		TOTALS		137,498		300,994		152,776'//////////////////

WATER DISTRICT 4

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
4	3659	LOVELAND MUNICIPAL	BIG THOMPSON	4,124	04/30/06	6,534	11/30/05	5,904
4	4110	BOYD LAKE	BIG THOMPSON	12,622	08/31/06	30,663	11/30/05	12,698
4	4116	DONATH	BIG THOMPSON	407	04/30/06	960	10/31/06	960
4	4123	HORSETOOTH RESERVOIR	BIG THOMPSON	1,904	04/30/06	3,456	05/31/06	2,706
4	4131	LOVELAND GREELEY RESERVOIR	BIG THOMPSON	6,769	06/30/06	11,915	11/30/05	9,767
4	4133	LOVELAND LAKE	BIG THOMPSON	320	08/31/06	695	03/31/06	575
4	4134	BOEDECKER LAKE/MARINO	BIG THOMPSON	955	09/30/06	5,338	03/31/06	1,444
4	4136	LON HAGLER	BIG THOMPSON	1,758	08/31/06	4,912	11/30/05	3,712
4	4137	LONE TREE	BIG THOMPSON	2,661	09/30/06	7,299	04/30/06	4,334
4	4146	WELCH LAKE	BIG THOMPSON	2,885	07/31/06	5,835	11/30/05	3,789
4	4156	BOULDER & LARIMER/ISH	LITTLE THOMPSON	504	09/30/06	2,634	11/30/05	504
4	4166	HERTHA RESERVOIR	DRY CREEK HERTHA	940	07/31/06	1,634	01/31/06	1,498
4	4171	RYAN GULCH RESERVOIR	RYAN GULCH	400	08/31/06	733	04/30/06	492
4	4513	CARTER	BIG THOMPSON	23,856	11/30/05	87,336	04/30/06	28,520

WATER DISTRICT 5

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
5	3905	UNION	ST. VRAIN	8,881	09/30/06	10,962	11/30/05	9,004
5	4010	BUTTON ROCK	ST. VRAIN	13,647	04/30/06	16,264	08/31/06	16,264
5	4020	BEAVER POND	BEAVER CREEK	230	06/30/06	1,483	05/31/06	230
5	4032	HIGHLAND #2	ST. VRAIN	1,267	06/30/06	3,243	12/31/05	1,489
5	4037	HIGHLAND #1	ST. VRAIN	362	08/31/06	864	11/30/05	589
5	4038	HIGHLAND #3	ST. VRAIN	397	08/31/06	1,491	04/30/06	668
5	4063	PLEASANT VALLEY	ST. VRAIN	2,429	09/30/06	3,076	06/30/06	2,460
5	4065	MCCALL RESERVOIR	ST. VRAIN	320	08/31/06	479	11/30/05	343
5	4067	OLIGARCHY RESERVOIR #1	ST. VRAIN	1,104	11/30/05	1,737	05/31/06	1,187
5	4071	FOOTHILLS	ST. VRAIN	977	11/30/05	2,593	03/31/06	1,870
5	4072	CLOVER BASIN RESERVOIR	ST. VRAIN	450	09/30/06	635	11/30/05	560
5	4073	MCINTOSH	ST. VRAIN	705	07/31/06	2,280	01/31/06	705
5	4076	LEFT HAND PARK	LEFT HAND CREEK	629	11/30/05	1,451	07/31/06	1,194
5	4081	LAGERMANN	LEFT HAND CREEK	691	09/30/06	887	11/30/05	709
5	4379	NEW THOMAS RESERVOIR	HOWLETT GULCH	1,890	09/30/06	2,246	12/31/05	1,890
5	4488	LEFT HAND VALLEY	LEFT HAND CREEK	686	04/30/06	1,559	03/31/06	1,202
5		TOTALS		34,665		51,250		40,364

WATER DISTRICT 6

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
6	4172	BARKER	BOULDER CREEK	6,544	04/30/06	11,200	06/30/06	9,171
6	4173	BASELINE	BOULDER CREEK	3,430	02/28/06	4,998	07/31/06	3,959
6	4178	HILLCREST	BOULDER CREEK	2,043	11/30/05	2,207	07/31/06	2,115
6	4180	LEGGETT	BOULDER CREEK	1,478	11/30/05	1,601	07/31/06	1,532
6	4185	PANAMA	BOULDER CREEK	1,140	09/30/06	3,500	03/31/06	2,550
6	4187	SIX MILE	BOULDER CREEK	630	09/30/06	1,100	07/31/06	800
6	4199	GROSS	SOUTH BOULDER CREEK	16,037	04/30/06	40,859	06/30/06	27,894
6	4212	MARSHALL	SOUTH BOULDER CREEK	2,725	09/30/06	6,737	05/31/06	2,819
6	4230	VALMONT	SOUTH BOULDER CREEK	7,052	11/30/05	7,426	07/31/06	7,216
6	4238	SILVER	NORTH BOULDER CREEK	2,540	03/31/06	3,996	06/30/06	3,250
6	4489	GOOSE	NORTH BOULDER CREEK	0	01/31/06	1,036	05/31/06	0
6	4515	BOULDER	BOULDER CREEK	6,964	03/31/06	10,127	06/30/06	8,504
6		OTHERS		1,095		1,690		1,263
6		TOTALS		51,678		96,477		71,073

WATER DISTRICT 7

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
7	3308	BLUNN	CLEAR CREEK	5,015	12/31/05	6,100	06/30/06	5,700
7	3324	RALSTON	RALSTON CREEK	6,779	04/30/06	10,419	06/30/06	8,615
7	3406	COORS B #3	CLEAR CREEK	0	04/30/06	3,074	06/30/06	2,448
7	3407	COORS B #4	CLEAR CREEK	2,736	04/30/06	4,000	05/31/06	4,000
7	3702	FAIRMOUNT	CLEAR CREEK	796	05/31/06	987	06/30/06	964
7	4030	GOLDEN RESERVOIR/WEST	CLEAR CREEK	1,235	10/31/06	1,355	11/30/05	1,235
7	4411	MAPLE GROVE	SOUTH CLEAR CREEK	765	02/28/06	1,071	05/31/06	981
7	4415	LONG LAKE RESERVOIR UPPER	RALSTON CREEK	808	10/31/06	1,100	11/30/05	808
7		OTHERS		889		1,108		1,025
7		TOTALS		19,023		29,214		25,776

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	16,099	10/31/06	26,879	06/30/06	16,099
8	3532	CHERRY CREEK	CHERRY CREEK	11,348	09/30/06	13,062	01/31/06	11,862
8	3832	MCLELLAN	DAD CLARK DITCH	4,815	11/30/05	5,811	07/31/06	5,292
8	3983	STRONTIA SPRINGS DVR DAM	SOUTH PLATTE	6,484	07/31/06	7,296	05/31/06	7,004
8		TOTALS		38,746		53,048		40,257

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	7,090	12/29/05	19,423	06/30/06	16,817
9	3815	SODA #1, #2	BEAR CREEK	1,337	10/31/06	1,465	03/31/06	1,337
9	3999	BEAR CREEK RESERVOIR	BEAR CREEK	1,626	09/30/06	1,954	02/28/06	1,822
9	4281	BOWLES	BEAR CREEK	1,186	09/30/06	2,062	03/31/06	1,275
9	4314	PATRICK	BEAR CREEK	1,136	02/28/06	1,165	11/30/05	1,165
9		OTHERS		1,985		3,202		2,110
9		TOTALS		14,360		29,271		24,526

WATER DISTRICT 23

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
23	3904	ANTERO	S FK SOUTH PLATTE	6,918	12/31/05	16,315	10/31/06	16,315
23	3962	MONTGOMERY	MID FK SOUTH PLATTE	1,066	10/31/06	1,899	06/30/06	1,066
23	3965	ELEVEN MILE	MID FK SOUTH PLATTE	99,040	12/31/05	101,108	05/31/06	99,486
23	3981	JEFFERSON LAKE RESERVOIR	JEFFERSON LAKE	557	04/30/06	4,791	07/31/06	4,789
23	4013	SPINNEY MOUNTAIN	MID FK SOUTH PLATTE	35,547	11/30/05	50,966	08/31/06	46,552
23		TOTALS		143,128		175,079		168,208

WATER DISTRICT 64

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
64	3551	NORTH STERLING	SOUTH PLATTE	3,210	09/30/06	74,880	03/31/06	10,990
64	3552	PREWITT	SOUTH PLATTE	4,230	10/31/06	27,675	12/31/05	4,230
64	3906	JULESBURG	SOUTH PLATTE	0	08/31/06	22,666	03/31/06	197
64		TOTALS		7,440		125,221		15,417

WATER DISTRICT 80

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
80	3550	CHEESMAN	S FK SOUTH PLATTE	65,495	10/31/06	79,405	06/30/06	65,495
80	3828	ALTURA RESERVOIR	GENEVA CREEK	0	11/01/05	508	06/09/06	0
80	3829	WELLINGTON	N FK SOUTH PLATTE	2,634	10/31/06	3,723	04/10/06	2,634
80		TOTAL		68,129		83,636		68,129

Table 5 – Water Diversion Summaries

South Platte River Basin

	TOTAL DITCHES REPORTING			OTHERS					IRRIGATION
WD	With Record	No Water Available	No Water Taken	No Info Available	No Record	Total Diversions AF	Estimated Number of Structure Visits	Diversions to Storage AF	Diversions to Irrigation AF
1	113	89	23	130		794482	5762	228761	283890
2	163	20	54	44		704733	12512	101482	395349
3	171	5	4	6		1041680	29201	256348	388864
4	94	29	2	11		337997	7450	151369	106593
5	105	6	7	24		161317	10140	8964	116996
6	98	28	9	66		368828	11084	104602	93957
7	74	0	9	7		201824	12440	10451	53881
8	432	29	179	256		518621	5292	126365	24829
9	57	9	7	5		12854	900	1986	6011
23	111	15	32	34		107483	4513	59750	5471
48	49	0	3	0		27710	3753	0	27710
49	4	0	1	0		882	255	0	882
64	82	7	25	95		328251	6939	12890	185939
65	12	0	6	0		16454	799	0	9571
76	0	0	0	0		0	0	0	0
80	53	45	16	3		34689	995	30789	3643
TOT	1618	282	377	681		4657805	112035	1093757	1703586

* DISTRICT 9 DITCH VISITS COMBINED WITH DISTRICT 80

DISTRICT 48 DITCH VISITS COMBINED WITH DISTRICT 76

DISTRICTS 49 DITCH VISITS COMBINED WITH DISTRICT 65

Table 6 – Water Diversion Summaries to Various Uses

South Platte River Basin

WD	Trans-mountain Outflow	Tranbasin Outflow	Mun	Comm	Ind	Rec	Fish	Dom & HHUO	Stock	Aug	Evap	Snow	Min Fl	Power	Rchg
1	0	0	0	0	5393	0	0	30	5	74012	0	0	0	0	29508
2	0	0	67794	692	8764	0	0	0	7	38679	28	0	0	0	4347
3	0	0	71946	0	0	0	0	0	0	20365	8466	0	0	0	3549
4	0	0	47984	41	0	0	0	4	0	2362	0	0	0	0	1232
5	0	0	29684	8	0	0	0	18	0	16135	0	0	1002	0	0
6	0	5835	128372	67	823	0	0	0	0	4585	0	0	11443	8059	0
7	0	46305	7105	0	40707	0	0	0	88	23426	595	152	0	0	0
8	0	145	346624	1237	5273	0	1533	244	0	8524	3862	0	0	0	0
9	0	0	2210	23	0	0	0	0	0	130	272	0	0	0	0
23	10317	0	12462	0	1818	3620	0	15	83	2139	0	0	0	0	62
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	0	0	0	0	0	0	0	87647	0	0	0	0	37409
65	0	0	0	0	0	0	2465	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	164	80	11	0	0	0	0	0	62	0	0	0	0	0
TOT	10317	52449	714261	2079	62778	3620	3998	281	183	278066	13223	152	12445	8059	76107

Figure 2 - Augmentation Releases bg Water District
2006

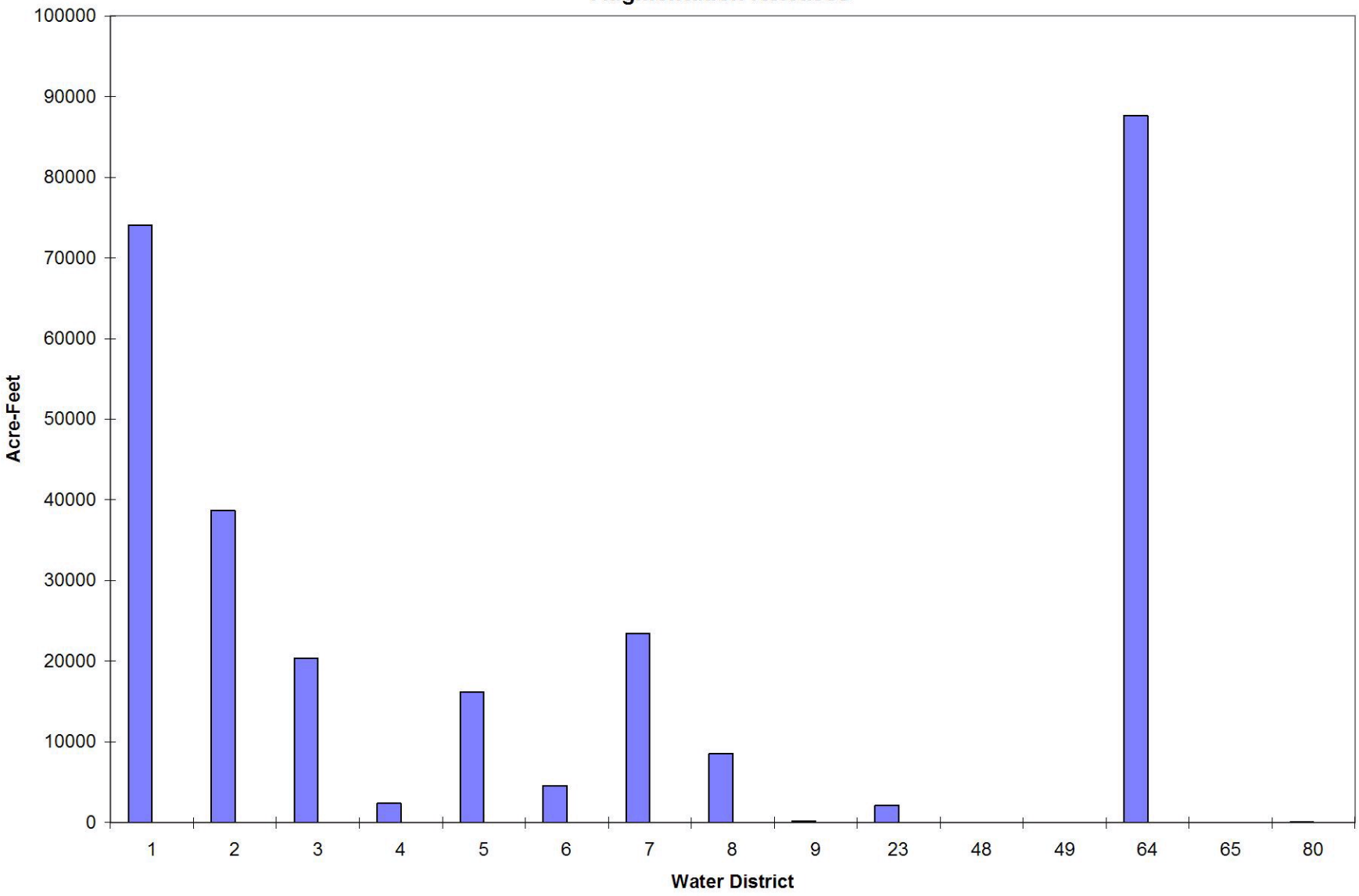


Table 7 – Water Court Activities

Calendar Year 2006

New Applications made to water court this year.....298

Consultations with Referee this year.....356

Decrees Issued by Court this year.....

Dismissals.....0

TYPES OF RULINGS

TYPE OF RULING	NUMBER OF CASES	NUMBER OF STRUCTURES
Findings of Diligence on Conditional Rights	57	174
Exchanges Adjudicated	29	33
Conditional Rights Made Absolute	29	64
Surface Water Rights Adjudicated	8	11
Underground Water Rights Adjudicated	125	920
Water Storage Rights Adjudicated	28	107
Plans for Augmentation Adjudicated	6	315
Changes of Water Rights Adjudicated	48	230
Withdrawn	1	1
Abandoned Water Rights	1	1
Complaints/Injunctions	26	42
Recharge Sites	4	86

Table 8 – Main Stem Call Record

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2005-10-25 08:00	2005-11-01 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	
2005-10-31 12:00	2005-11-09 12:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1899-05-01	18018.00000	38.0800 CFS	8,23,80	
2005-11-01 08:00	2005-11-25 08:00	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1974-03-15	45364.00000	26.80 CFS	64	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2005-11-01 08:00	2005-11-16 12:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1910-05-25	22059.00000	695.0000 CFS	1,2,3,4,5,6,7,8,9	
2005-11-03 08:00	2005-11-24 08:00	SOUTH PLATTE RIVER	100513	JACKSON LAKE INLET DITCH	1905-05-18	20226.00000	37709.00 AF	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0103816 - EMPIRE RES
2005-11-24 08:00	2005-11-28 08:00	SOUTH PLATTE RIVER	100513	JACKSON LAKE INLET DITCH	1907-08-01	21031.00000	740.00 CFS	1,2,3,4,5,6,7,8,9,23,80	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2005-11-28 08:00	2005-12-01 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1910-05-25	22059.00000	695.0000 CFS	1	
2005-11-28 08:00	2005-12-01 08:00	SOUTH PLATTE RIVER	100687	NORTH STERLING CANAL	1909-05-29	21698.00000	510.00 CFS	1,2,3,4,5,6,7,8,9	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2005-11-30 08:00	2005-12-21 08:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1892-09-01	15585.00000	25.3300 CFS	8,23,80	
2005-12-01 08:00	2006-01-04 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1910-05-25	22059.00000	695.0000 CFS	1,2,3,4,5,6,7,8,9,23,80	
2006-01-04 08:00	2006-01-05 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1986-06-02	49826.00000	27.90 CFS	1,2,3,4,5,6,7,8,9	BYPASS CALL FROM 0100507 - BIJOU CANAL
2006-01-04 08:00	2006-02-02 08:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1910-12-06	22254.00000	42.7200 CFS	8,23,80	
2006-01-05 08:00	2006-01-18 08:00	SOUTH PLATTE RIVER	100519	TREMONT DITCH	1977-06-30	47847.46567	69.0000 CFS	1,2,3,4,5,6,7,8,9	
2006-01-18 08:00	2006-02-21 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,	
2006-02-02 08:00	2006-02-24 08:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1911-04-01	22370.00000	154.0000 CFS	8,23,80	
2006-02-21 08:00	2006-02-22 12:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7,8,9	
2006-02-24 08:00	2006-02-28 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	
Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments

2006-02-24 08:00	2006-03-20 08:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1910-12-06	22254.00000	42.7200 CFS	8,23,80	
2006-02-28 08:00	2006-03-14 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	
2006-03-03 08:00	2006-03-06 16:00	SOUTH PLATTE RIVER	6403906	JULESBURG RES	1996-08-20	53558.00000	0.0000 CFS	64,1	BYPASS CALL FROM 6400522 - BRAVO DITCH
2006-03-14 08:00	2006-03-20 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	
2006-03-20 08:00	2006-04-10 16:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9	
2006-03-20 08:00	2006-03-21 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1977-06-30	47847.46567	69.0000 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-03-20 10:00	2006-04-10 16:00	SOUTH PLATTE RIVER	801002	DENVER CONDUIT NO 20	1899-05-01	18018.00000	38.0800 CFS	8,23,80	
2006-03-27 08:00	2006-04-03 08:00	SOUTH PLATTE RIVER	100519	TREMONT DITCH	1985-03-11	50769.49378	150.00 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-04-03 08:00	2006-04-06 08:00	SOUTH PLATTE RIVER	100519	TREMONT DITCH	1977-06-30	47847.46567	69.0000 CFS	1,2,3,4,5,6,7	
2006-04-06 08:00	2006-04-11 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1977-06-30	47847.46567	69.00 CFS	1	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-04-10 08:00	2006-04-11 08:00	SOUTH PLATTE RIVER	100507	BIJOU CANAL	1929-12-31	31423.29219	1000.00 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-04-10 08:00	2006-04-11 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1909-06-09	25050.21709	215.95 CFS	2,7	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-04-10 16:00	2006-04-12 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,80,23	
2006-04-11 08:00	2006-04-14 08:00	SOUTH PLATTE RIVER	100507	BIJOU CANAL	1888-10-01	14154.00000	450.0000 CFS	1,2,3	
2006-04-11 08:00	2006-04-18 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1	
2006-04-12 08:00	2006-04-13 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2006-04-13 08:00	2006-04-17 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-08-10	7892.00000	71.1200 CFS	2,7,8,9,80,23	

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-04-14 08:00	2006-04-20 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-04-14 08:00	2006-04-17 12:00	SOUTH PLATTE RIVER	100515	UPPER PLATTE BEAVER CNL	1888-10-01	14154.00000	450.00 CFS	1,2,3	BYPASS CALL FROM 0100507 - BIJOU CANAL
2006-04-17 08:00	2006-04-24 12:36	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-04-17 12:00	2006-04-18 08:00	SOUTH PLATTE RIVER	100515	UPPER PLATTE BEAVER CNL	1888-04-15	13985.00000	164.0000 CFS	1,2,3	
2006-04-18 08:00	2006-04-26 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.28 CFS	64,1,2,3	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2006-04-22 08:00	2006-04-26 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-04-23 08:00	2006-04-24 12:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-08-10	7892.00000	71.1200 CFS	2,7,8,9,80,23	
2006-04-24 08:00	2006-04-25 08:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14			64	
2006-04-24 12:00	2006-04-29 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-04-26 08:00	2006-05-03 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-04-29 08:00	2006-05-01 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1881-01-15	11338.00000	63.30 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200809 - BRANTNER DITCH
2006-05-01 08:00	2006-05-02 08:00	SOUTH PLATTE RIVER	200825	HEWES COOK DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-05-02 08:00	2006-05-14 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-05-03 08:00	2006-05-06 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1887-06-18	13683.00000	20.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-05-04 08:00	2006-10-16 00:00	SOUTH PLATTE RIVER	6499999	SOUTH PLATTE RIVER COMPACT	1897-06-14			64	
2006-05-06 08:00	2006-05-15 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3	BYPASS CALL FROM 0100514 - FT MORGAN CANAL

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-05-09 16:00	2006-05-12 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	
2006-05-12 08:00	2006-06-15 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1897-05-03	17290.00000	50.00 CFS	64	BYPASS CALL FROM 6400515 - HARMONY DITCH 2
2006-05-14 08:00	2006-05-16 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-08-10	7892.00000	71.12 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200825 - HEWES COOK DITCH
2006-05-14 08:00	2006-05-23 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-05-15 12:00	2006-05-16 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.00 CFS	1,2,3	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-05-15 16:00	2006-05-22 08:00	SOUTH PLATTE RIVER	200830	SECTION NO 3 DITCH	1874-11-05	9075.00000	100.00 CFS	2,5,6	BYPASS CALL FROM 0200828 - UNION DITCH
2006-05-16 08:00	2006-06-03 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	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2006-05-16 08:00	2006-05-17 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-01-01	7671.00000	5.2500 CFS	2,7,8,9,23,80	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2006-05-17 08:00	2006-05-19 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1866-05-05	5969.00000	27.45 CFS	2,7,8,9,7,80,23	BYPASS CALL FROM 0200825 - HEWES COOK DITCH
2006-05-19 08:00	2006-05-22 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-05-22 08:00	2006-05-23 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1873-10-15	8689.00000	94.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2006-05-24 08:00	2006-06-12 08:00	SOUTH PLATTE RIVER	6400503	SOUTH RESERVATION DITCH	1895-03-01	17846.16496	164.00 CFS	64	BYPASS CALL FROM 6400504 - PETERSON DITCH
2006-05-26 08:00	2006-05-27 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1878-11-15	10546.00000	18.85 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0700540 - CHURCH DITCH
2006-05-27 08:00	2006-06-06 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-05-29 08:00	2006-05-31 08:00	SOUTH PLATTE RIVER	200830	SECTION NO 3 DITCH	1874-11-05	9075.00000	100.00 CFS	2,5,6,7,8,9,80,23	BYPASS CALL FROM 0200828 - UNION DITCH

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-05-31 08:00	2006-06-02 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1873-10-15	8689.00000	94.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2006-06-02 08:00	2006-06-03 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-06-03 08:00	2006-06-08 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.00 CFS	64,1,2,3	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-06-03 08:00	2006-06-04 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1873-10-15	8689.00000	94.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2006-06-04 08:00	2006-06-08 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-06-06 08:00	2006-06-07 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1878-05-31	10378.00000	92.20 CFS	2,4,5,6	BYPASS CALL FROM 0500523 - SUPPLY DITCH
2006-06-07 08:00	2006-06-08 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-06-08 08:00	2006-06-09 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-18	10184.00000	18.26 CFS	2,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0700540 - CHURCH DITCH
2006-06-08 16:00	2006-06-12 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.00 CFS	64,1,2,3	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2006-06-09 08:00	2006-06-12 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1881-10-24	11620.00000	133.8800 CFS	2,4,5,6,7,8,9,80,23	
2006-06-12 08:00	2006-06-14 08:00	SOUTH PLATTE RIVER	200828	UNION DITCH	1881-11-02	11629.00000	84.0300 CFS	2,4,5,6	
2006-06-12 08:00	2006-06-15 16:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-20	11859.00000	50.00 CFS	64,1,2,3	BYPASS CALL FROM 0100515 - UPPER PLATTE BEAVER CNL
2006-06-12 08:00	2006-07-03 08:00	SOUTH PLATTE RIVER	6400514	RAMSEY DITCH	1895-02-19	16486.00000	40.00 CFS	64	BYPASS CALL FROM 6400516 - POWELL BLAIR DITCH
2006-06-13 08:00	2006-06-15 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-06-14 08:00	2006-06-15 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1881-10-24	11620.00000	133.8800 CFS	2,4,5,6	
2006-06-15 08:00	2006-07-03 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-06-15 08:00	2006-07-04 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6,7,8,9,80,23	
2006-06-15 08:00	2006-06-19 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1873-10-15	8689.00000	94.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH
2006-06-15 16:00	2006-06-28 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.00 CFS	64,1,2,3	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2006-06-19 08:00	2006-06-23 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1872-04-01	8127.00000	154.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0700569 - FARMERS HIGHLINE CNL
2006-06-19 08:00	2006-07-03 08:00	SOUTH PLATTE RIVER	200830	SECTION NO 3 DITCH	1874-11-05	9075.00000	100.00 CFS	2,5,6	BYPASS CALL FROM 0200828 - UNION DITCH
2006-06-23 08:00	2006-06-25 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-06-25 08:00	2006-06-27 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1872-04-01	8127.00000	154.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0700569 - FARMERS HIGHLINE CNL
2006-06-27 08:00	2006-07-03 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-06-28 08:00	2006-07-03 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-20	11859.00000	50.00 CFS	64,1,2,3	BYPASS CALL FROM 0100515 - UPPER PLATTE BEAVER CNL
2006-07-03 08:00	2006-07-07 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 6400533 - PAWNEE DITCH
2006-07-03 08:00	2006-07-10 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1897-05-03	17290.00000	50.00 CFS	64	BYPASS CALL FROM 6400515 - HARMONY DITCH 2
2006-07-06 08:00	2006-07-10 08:00	SOUTH PLATTE RIVER	6400503	SOUTH RESERVATION DITCH	1895-03-01	17846.16496	164.00 CFS	64	BYPASS CALL FROM 6400504 - PETERSON DITCH
2006-07-07 08:00	2006-07-08 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-07-07 08:00	2006-07-07 12:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-07-07 12:00	2006-07-10 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100514 - FT MORGAN CANAL

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-07-10 08:00	2006-07-11 16:00	SOUTH PLATTE RIVER	6400504	PETERSON DITCH	1895-03-01	17846.16496	164.0000 CFS	64,1,2,3,4,5,6,7,8,9,80,23	
2006-07-11 16:00	2006-07-13 08:00	SOUTH PLATTE RIVER	6400504	PETERSON DITCH	1907-05-31	20969.00000	417.00 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-07-13 08:00	2006-07-14 08:00	SOUTH PLATTE RIVER	6400504	PETERSON DITCH	1901-03-01	18687.00000	150.00 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-07-14 08:00	2006-07-17 08:00	SOUTH PLATTE RIVER	6400504	PETERSON DITCH	1895-03-01	17846.16496	164.0000 CFS	64	
2006-07-15 08:00	2006-07-16 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.00 CFS	1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-07-16 08:00	2006-07-17 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.28 CFS	1,2,3,5,4,6,	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2006-07-16 08:00	2006-07-28 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-07-17 08:00	2006-07-20 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2006-07-17 08:00	2006-07-22 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1897-05-03	17290.00000	50.00 CFS	64	BYPASS CALL FROM 6400515 - HARMONY DITCH 2
2006-07-18 08:00	2006-07-24 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-07-19 08:00	2006-08-15 08:00	SOUTH PLATTE RIVER	6400514	RAMSEY DITCH	1895-02-19	16486.00000	40.00 CFS	64	BYPASS CALL FROM 6400516 - POWELL BLAIR DITCH
2006-07-20 08:00	2006-07-23 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.00 CFS	64,1,2,3	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-07-22 08:00	2006-08-03 16:00	SOUTH PLATTE RIVER	6400503	SOUTH RESERVATION DITCH	1895-04-28	16554.00000	252.00 CFS	64	BYPASS CALL FROM 6400511 - HARMONY DITCH 1
2006-07-23 08:00	2006-07-24 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1883-04-21	12164.00000	20.00 CFS	64,1,2,3	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2006-07-24 08:00	2006-08-07 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-06-22	11861.00000	126.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 6400533 - PAWNEE DITCH

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-07-28 08:00	2006-07-31 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1872-07-01	8218.00000	12.18 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200809 - BRANTNER DITCH
2006-07-31 08:00	2006-08-02 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-08-01 08:00	2006-08-04 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-08-02 08:00	2006-08-04 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-08-03 16:00	2006-08-15 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1895-04-28	16554.00000	252.0000 CFS	64	
2006-08-05 08:00	2006-08-06 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-08-06 08:00	2006-08-08 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-08-07 08:00	2006-08-08 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-09-04	11935.00000	38.00 CFS	64,1,2,3	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-08-08 08:00	2006-08-09 08:00	SOUTH PLATTE RIVER	200834	LOWER LATHAM DITCH	1877-11-14	10180.00000	97.6800 CFS	2,4,5,6	
2006-08-08 08:00	2006-08-09 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2006-08-08 08:00	2006-08-11 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.2500 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-08-09 08:00	2006-08-14 08:00	SOUTH PLATTE RIVER	100518	LOWER PLATTE BEAVER D	1882-10-18	11979.00000	323.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2006-08-09 08:00	2006-08-14 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.28 CFS	64	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2006-08-11 08:00	2006-08-14 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-08-14 08:00	2006-08-15 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100514 - FT MORGAN CANAL

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-08-15 08:00	2006-08-17 08:00	SOUTH PLATTE RIVER	6400504	PETERSON DITCH	1895-03-01	17846.16496	164.0000 CFS	64,1,2,3,4,5,6,7,8,9,80,23	
2006-08-16 08:00	2006-08-20 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1876-07-08	9686.00000	74.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200808 - FULTON DITCH
2006-08-17 08:00	2006-08-18 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-08-17 08:00	2006-09-13 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1897-05-03	17290.00000	50.00 CFS	64	BYPASS CALL FROM 6400515 - HARMONY DITCH 2
2006-08-18 08:00	2006-08-21 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.28 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2006-08-21 08:00	2006-08-23 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100507 - BIJOU CANAL
2006-08-21 08:00	2006-08-24 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2006-08-23 08:00	2006-08-24 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-08-24 08:00	2006-08-28 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1882-10-18	11979.00000	323.00 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 0100514 - FT MORGAN CANAL
2006-08-28 08:00	2006-08-29 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1883-04-21	12164.00000	20.00 CFS	64,1,2,3,4,5,6,7,8,9,80,23	BYPASS CALL FROM 6400535 - SOUTH PLATTE DITCH
2006-08-29 08:00	2006-09-01 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1886-07-19	13349.00000	62.28 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 6400530 - SPRINGDALE DITCH
2006-08-29 08:00	2006-09-05 12:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2006-09-01 08:00	2006-09-11 13:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-04-15	13985.00000	284.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100518 - LOWER PLATTE BEAVER D
2006-09-05 12:00	2006-09-06 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1873-10-15	8689.00000	94.25 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200813 - PLATTEVILLE DITCH

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-09-06 08:00	2006-09-12 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1871-10-05	7948.00000	177.07 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200817 - EVANS NO 2 DITCH
2006-09-11 13:00	2006-09-13 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1888-10-01	14154.00000	450.00 CFS	64,1,2,3,4,5,6	BYPASS CALL FROM 0100507 - BIJOU CANAL
2006-09-12 08:00	2006-09-14 08:00	SOUTH PLATTE RIVER	200826	JAY THOMAS DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2006-09-13 08:00	2006-09-24 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1897-05-03	17290.00000	50.00 CFS	64,1,2,3,4,5,6,7	BYPASS CALL FROM 6400515 - HARMONY DITCH 2
2006-09-14 08:00	2006-10-02 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,80,23	
2006-09-24 08:00	2006-09-26 16:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1902-01-17	19009.00000	175.00 CFS	64,1,2,3,4,5,6,7	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-09-26 16:00	2006-10-03 08:00	SOUTH PLATTE RIVER	100688	UNION DITCH	1907-05-31	20969.00000	417.00 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-10-02 08:00	2006-10-10 08:00	SOUTH PLATTE RIVER	200817	EVANS NO 2 DITCH	1885-11-20	13108.00000	350.00 CFS	2,7,8,9,80,23	BYPASS CALL FROM 0200802 - BURLINGTON D RIVER HG
2006-10-03 08:00	2006-10-06 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1907-05-31	20969.00000	417.00 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-10-06 08:00	2006-10-10 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1901-03-01	18687.00000	150.00 CFS	1,2,3,4,5,6	BYPASS CALL FROM 0100519 - TREMONT DITCH
2006-10-10 08:00	2006-10-11 13:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1907-05-31	20969.00000	417.00 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100503 - RIVERSIDE CANAL
2006-10-10 08:00	2006-10-17 12:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1885-11-20	13108.00000	350.0000 CFS	2,8,9,80,23	
2006-10-11 13:00	2006-10-16 08:00	SOUTH PLATTE RIVER	6400528	STERLING IRR CO DITCH 1	1915-08-01	26302.23953	411.00 CFS	1,2,3,4,5,6,7	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL
2006-10-16 08:00	2006-10-19 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1915-08-01	26302.23953	411.00 CFS	64,1,2,3,4,5,6,7	BYPASS CALL FROM 0100687 - NORTH STERLING CANAL FOR JID

Start Date	End Date	Water Source	WDID	Structure Name	Appro Date	Admin No	Decreed Amt	Districts Affected	Set Comments
2006-10-17 12:00	2006-11-04 08:00	SOUTH PLATTE RIVER	200802	BURLINGTON D RIVER HG	1909-01-13	21562.00000	900.0000 CFS	2,8,9,80,23	
2006-10-19 08:00	2006-10-28 08:00	SOUTH PLATTE RIVER	100829	PREWITT INLET CANAL	1929-12-31	31423.29219	695.0000 CFS	1,2,3,4,5,6,7	
2006-10-19 08:20	2006-10-28 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1974-03-15	45364.00000	26.8000 CFS	64	BYPASS FROM 6400535-SOUTH PLATTE DITCH
2006-10-28 08:00	2006-11-01 08:00	SOUTH PLATTE RIVER	6400511	HARMONY DITCH 1	1977-06-30	47847.46567	69.00 CFS	1,64,2,3,4,5,6,7	BYPASS CALL FROM 0100519 - TREMONT DITCH

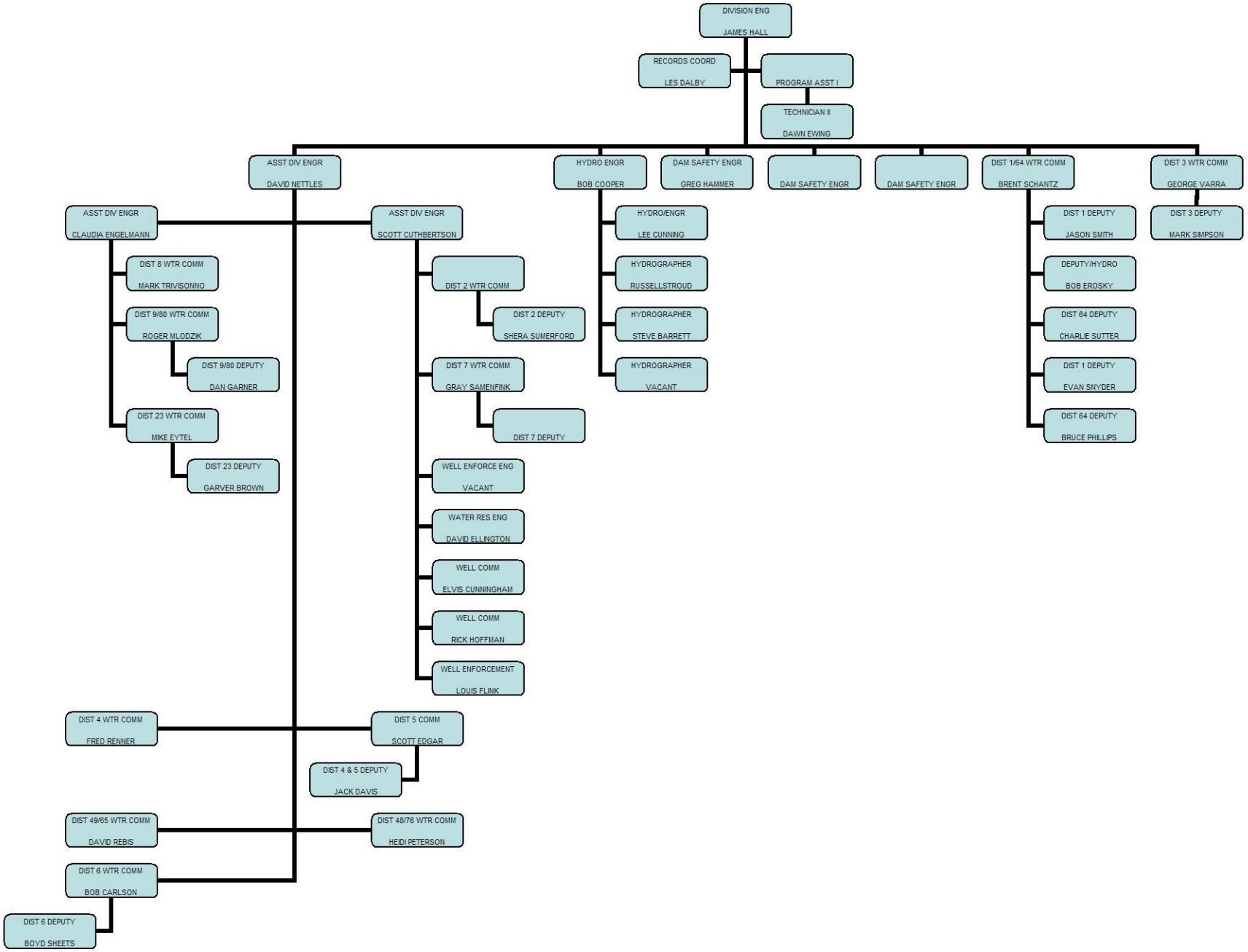
Table 9 - Staffing

Dam Safety Engineers		3
Water Resource Engineers	8	
Engineering/Physical Science Techs/Assistants (Includes 4 Hydrographers)	7	
Program Asst 1, Admin II & Technician II	3	
Full-Time Water Commissioners		19
Permanent Part-Time Water Commissioners		5
TOTAL STAFF		45

Table 10 - Statistics

Number of Well Permits		26,136
Number of Plans for Augmentation	783	
Number of Dams routinely inspected		749
Number of Active Substitute Supply Plans	140	
Number of Contacts to give Public Assistance		72,049+

Figure 1 – Organizational Chart



Appendix A
History of Well Regulation
By Hal Simpson

Appendix B
Non-Irrigation Season Administration
James R. Hall