

Division 1 Annual Report



Irrigation Water Year
2003

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CURRENT WATER YEAR

Water Administration

The 2003 water year began November 1, 2002 with a call for reservoir storage. This was the second year in the last three years that we have had a storage call on the mainstem of the South Platte on the lower end in District 1 and 64. The previous storage call existed in the fall of 2000. Prior to that, there had been over 20 years without a storage call in District 1 and 64.

Like the fall of 2000, plains irrigation reservoirs were empty after the 2002 irrigation season. In 2000, irrigation storage began in early fall. Irrigation storage did not begin until the last week in October in 2002. With the combination of empty reservoirs, the late beginning of the storage season and the low flow conditions, mainstem irrigation reservoir storage continued significantly behind normal levels through out the winter of 2002-2003. Storage levels were similar to those in the 1950's when irrigation reservoirs did not fill.

Storage levels for municipal providers along the South Platte and its tributaries and west slope storage reservoirs (Granby and Dillon) were also extremely low going into the spring of 2003. The low storage levels created concern for municipal suppliers similar to irrigator concerns.

Based on the water situation, it appeared that the storage call along the South Platte would continue until a direct flow call for irrigation occurred in the spring of 2003. It also appeared unlikely that all reservoirs would fill unless the spring of 2003 was extremely wet.

In response to its low storage situation, the Northern Colorado Water Conservancy District (NCWCD) set their original quota at 30% based on supply available. This was the first year that NCWCD set their quota strictly on potential demand. Historically, NCWCD sets their quota

on demand, not supply. Thus, in dry years, NCWCD sets a higher quota.

Overall conditions improved in February with mountain snowfall especially toward the end of the month. Snowpack in the Upper Colorado River that serves as a source of several transbasin diversions into the South Platte also improved during the month of February.



A very large region wide snowstorm the March 17th through the 20th significantly improved the snowpack through out the South Platte basin raising it above average for the first time in several years. The snowpack February 1, 2003 in the South Platte basin was only 70% of average. By the end of March, the snowpack was 130% of average due in large part to the one very large storm in March. The rain and snow also significantly increased soil moisture delaying irrigation demand two to three weeks. This kept the direct flow call from occurring prior to runoff.

Without a direct flow call and significantly higher flows in the river due to the rain and snowmelt of lower elevation snow, users were also able to significantly increase the amount of water that was put into storage in the spring. Users were able to store water in Milton, Prospect, and Horse Creek for the first time during the 2003 water year in March. In addition, significant amounts of water were stored in Barr Lake, Prewitt and North Sterling during the spring.

Even with the additional snow and immediate runoff, we still anticipated that many reservoirs would not fill unless it was very wet the remainder of the spring of 2003. Fortunately, April continued to be wet through the basin allowing additional storage in reservoirs. Reservoir storage along the mainstem had dramatically improved, but a good runoff from the above average snow pack would still be needed to fill the mainstem reservoirs.

NCWCD raised their quota to 40% based on the additional supply on April 11, 2003 and to 50% on June 13, 2003. This also significantly helped the water supply situation.

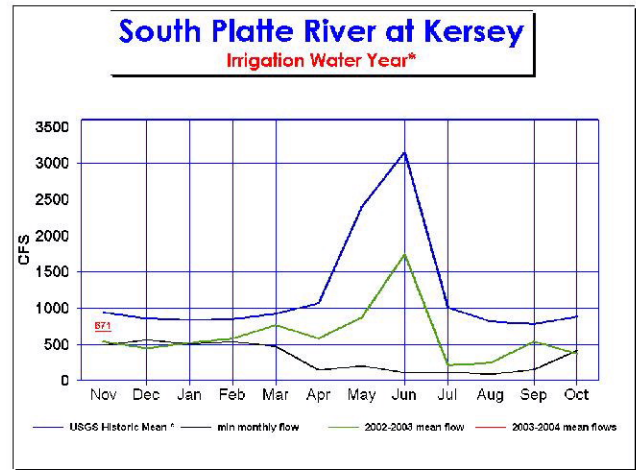
Because of the late snow and wet spring water providers no longer feared major water shortages. Nevertheless, most suppliers still planned to have restrictions to assure that there were adequate long-term supplies.

May, 2003 was neither extremely wet nor dry. While it appeared a couple of times that direct flow demand would exceed supply creating a direct flow call situation for irrigation along the mainstem, this never occurred due to timely rain events and then runoff. As direct flow needs were met, reservoir storage along the mainstem continued the whole month of May.

By the end of May, there were even near flooding situations along a few tributaries. However, there was sufficient demand on the mainstem to take all of the water not needed for use on the tributaries even during this runoff. Much of the runoff was captured by several reservoirs that had not filled along the mainstem. As of the end of May, there remained a few irrigation reservoirs along the mainstem and tributaries that still had not completely filled.

Generally favorable water supply conditions continued in June, 2003. Runoff and timely rains allowed users to continue to fill reservoirs through the whole month. All main South Platte plains reservoirs filled by the end of the month except for a small amount of unfilled storage space in Empire and Riverside. This was a radical departure from the spring of 2002 when

high demand and dry conditions called for the release of significant amounts of reservoir storage during April, May and June.



By the end of June, runoff had begun to decline and a direct flow irrigation call occurred on the South Platte for the first time during 2003. As usually is the case in the South Platte drainage, July and August were both hot and dry. There were direct flow calls throughout the month on the whole South Platte and its tributaries. In general, the calls were not as senior as 2002, but represented an average call scenario for the summer. For instance, the call in District 2 below Denver and above the confluence of the Saint Vrain was generally an 1871 call, the normal call for this stretch of the river in average years.

Though the call regime was normal, the low flow in parts of the river was unusual. For instance, the flow at the Kersey gage in the summer of 2003 returned to very low levels near those experienced in 2002. This may be the result of the reduction in return flows with four years of fairly dry conditions.

The storage reserves and overall water supply situation for most municipal providers remained significantly better during the summer of 2003 than 2002. Further, those with water short situations had taken steps to assure an adequate supply in 2003. Because of the improved conditions, many municipal providers either reduced or eliminated their water use restrictions.

September and October were extremely dry with no appreciable precipitation. Irrigation calls along the South Platte continued through the first part of the October. As the irrigation season ended, the irrigation call on the South Platte went off allowing for recharge in much of the basin. This recharge will provide augmentation supplies for next summer.

Overall storage supplies were significantly better than a year earlier November 1, 2003, the beginning of the 2003-2004 water year. This is especially true for municipal suppliers with major reservoirs such as Dillon, Cheesman, and Standley Lake. Irrigation user storage carryover in November of 2003 was not near as strong as that for municipal. This is not unusual as irrigation users tend to use a higher percentage of their supplies each year.

Innovative Administration Processes

Water Well Power Records Use

For the first time in 2003, Division 1 used Section 37-92-502(5)(b), C.R.S. to obtain power usage data for specific wells directly from power suppliers to support enforcement actions against water wells. As reported elsewhere in this report, Division 1 “tagged” several hundred wells with orders prohibiting the diversion of water during 2003. As part of the “tagging” process, data on the entity supplying power including name, meter number and meter reading were collect along with other information related to use of the well. After the irrigation season was over, letters were sent to the various power suppliers requesting monthly power usage data for the “tagged” wells. This data is being used to identify persons who pumped their wells in violation of an order. It will also be used to support enforcement actions in Water Court.

Water Well Tester Class

Water Division 1 hosted its first water well testing class from May 7 through 9, 2003 with fifteen class participants. The

requirements to perform water well measurement tests pursuant to the Well Measurement Rules of the State Engineer for the Arkansas River Basin, Designated Ground Water Basins, and other areas of the state was the focus of the class. The participants all received an overview of ground water hydrology, well hydraulics, water measurement methods, methods of collecting and analyzing data for determining power coefficients, well efficiency, system head considerations, reporting requirements, totalizing flow meter verification and basic electric safety. At the end of the class, attendees were allowed to test for approval by the Division of Water Resources as a water well tester. Division One would like to thank Division Two for the “loan” of Bill Richie and Dan DiRezza and the Denver Office staff of Chuck Roberts, Heidi Frey, and Michael Schaub. Without the work of these individuals, this class would not have been nearly as successful.

Dam Safety

The dam safety branch in Greeley is staffed with three engineers to perform periodic dam inspections. During calendar 2003, one engineer was relocated from Greeley to fill a similar position in the Durango office. The vacant position was then relocated to a new west-slope office in Grand Junction. This reduced the dam safety staffing from four engineers to the current three engineers. To adjust workloads, inspection assignments for dams to the south of Denver, in the upper reaches of the Platte River basin were assigned to a dam safety engineer based in Division 2, and to the Dam Safety Program Manager in Denver. These re-assignments resulted in an approximate increase in inspection duties of 10% for the personnel remaining in Greeley. Despite the increased workload, the dam safety engineers performed 189 periodic dam safety inspections, and continued to participate with design review and construction inspection 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 Bureau of Reclamation. Greg Hammer was selected as one of the team members to recommend modifications to the USBR tool, and develop a system for use by the Colorado dam safety branch. This activity has continued to progress toward completion, which is expected to be achieved in 2004.

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. Due dates have arrived for completion of improvements for the more seriously inadequate dams. This past year saw the completion of a new and enlarged spillway at Great Western Dam and the start of renovations to at Standley Lake. Using micro-tunneling techniques, Standley Lake Dam will receive a new outlet works drilled through the abutment of the dam into the reservoir. Included in this project is a new, enlarged spillway, and abandonment of the existing outlet works.

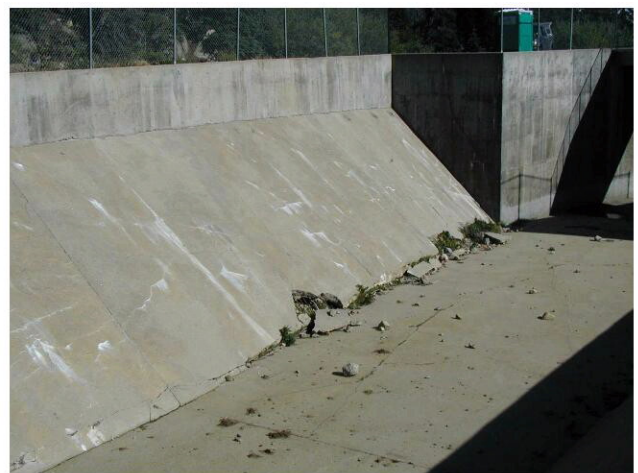


Construction began in February for the expansion of the Loveland Water Storage Reservoir, better known as Green Ridge Glade Reservoir. The original dam was constructed in 1977 provided 606 AF of raw water storage for the City of Loveland. During the late 1980s the City began planning for an increase in their raw water storage on the site of the existing dam and reservoir. The expanded reservoir will have a capacity of 6000 AF and is expected to

be complete in 2004.

A 100-yr old wood-stave outlet was replaced at Windsor #8 Dam, a 54-ft tall Class-1 dam that impounds 8993-AF reservoir on the north side of Ft Collins. The outlet conduit had been repaired in a faulty manner in 1977, which masked the extent of piping and voids that were actually present. The previous development of sinkholes at nearby Elder Dam prompted a closer look at Windsor #8, which was contemporary with Elder. Subsequent exploratory drilling and grouting of sinkholes at Windsor #8 confirmed that the outlet needed to be replaced. At the same time, a review of the hydrology revealed that the spillway has been designed for a smaller drainage area than exists. A new spillway was included in the repair project.

Based upon the discovery of piping due to the wood-stave outlets at Elder and Windsor #8, a subsequent investigation at Annex #8 revealed similar conditions. Annex #8 is a 37-ft tall Class-2 dam that impounds a 3724-AF reservoir. The repair included the abandonment of the old wood-stave outlet by grouting, and construction of a new outlet. The work was done concurrently with Windsor #8 repairs.



A deteriorating outlet conduit, which led to piping and development of cavities and sinkholes necessitated a new outlet at Seeley Lake Dam, a Class-III structure that impounds 1176 AF. Repairs included the addition of new service and emergency spillways, which did not

previously exist. The work included careful pipe-jacking under a 900-psi 12-inch-diameter natural gas line present in the dam.

An embankment and spillway rehabilitation project began in 2000 Idaho Springs Dam was completed in 2003. The project has not yet been accepted for full storage, but monitoring is underway to eventually remove a long-standing storage restriction.



Other work of note:

Horsetooth Dam – Re-construction by the US Bureau of Reclamation is complete.

Lake Caroline Dam – Dam was rebuilt to reduce to improve stability and reduce seepage at the outlet section.



Hydrography

The Hydrographic Branch lost Rodger Burcher on May 14, 2003 in a traffic accident. Rodger was a fine man. His untimely death left a void, not only in the hydrography department, but also in the lives of his co-workers. We all miss him and have tried to give our best to his wife Judy in her time of loss.

The week before Rodger's passing he took our newest hydrographer, Mike Garner, with him on the South Park run. Mike took over Rodger's work and did a great job last summer keeping up with all the municipal transfer gages in Districts 23. Mike comes to us with degrees in public policy administration and environmental studies as well as 3 summers work doing stream gaging with the USGS.

In filling Rodger's position we decided that there were many advantages to having a resident hydrographer in Fairplay. We created a full-time deputy water commissioner/hydrographer position that has been filled recently by Garver Brown. Garver will add a large load of hydrographic duties to his former work as District 23 deputy. Summer of 2004 will be a busy one for Garver!

Being short-staffed last summer, we did not take on any new large maintenance projects. But we had plenty of old ones to finish, and the St. Vrain Creek at Lyons gage were on the top of our list. Our St. Vrain commissioner Scott Edgar took a double hit last summer. His main gage was taken out by a new bridge, and satellite reporting on his CBT deliveries vanished when NCWCD abandoned satellite monitoring in favor of a private cell phone system.

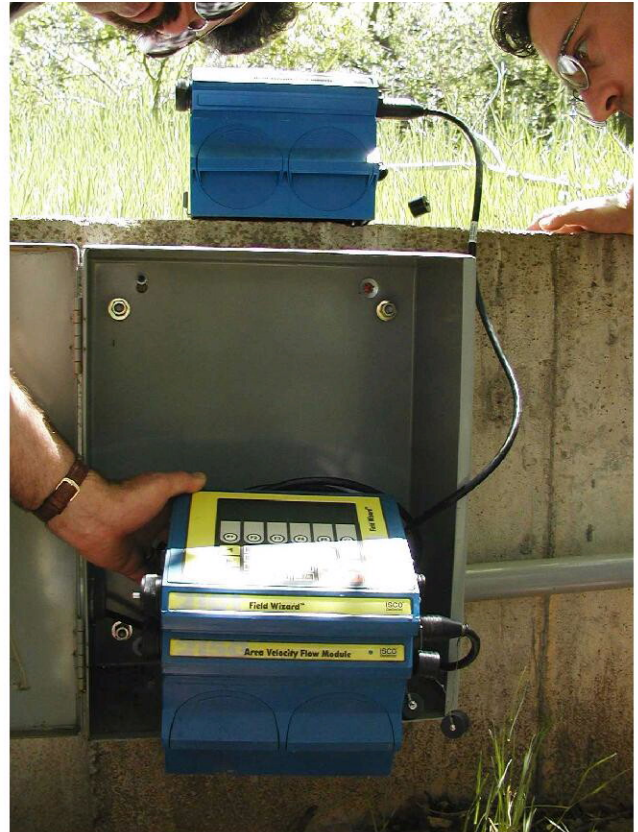
Our hydrographic team installed a temporary gage using a bubbler stage sensor with a portable storage shed used for a shelter. The new site was on property owned by the town of Lyons and far removed from the contentious developer who demanded our old gage location for his new bridge. Two SMS installations were made on CBT sites, and two more were

planned for this spring. Hydrographer Merlin Friedrichsen measured or visited the new Lyons gage nearly every day for two months developing a new rating table and trying out many configurations of bubbler/manometer instrumentation to get the most reliable readings. The new Lyons site proved to have a stable rating. In late fall we installed a stilling well and made the new location permanent.

Another project we finished was flood hardening the Cache La Poudre gage at the Canyon Mouth. In last year's work, we raised the gage about 3 ft. This year we contracted to have a retaining wall built to raise the ground level around the gage. As usual, Hydrographer George Sievers got the water departments of Greeley and Fort Collins to contribute machine time, welding and other services to help complete the job.

This year we also resolved a long-standing issue with Denver Water Department over the operation of their new Cipolletti Weir below Antero Reservoir. The weir had severe approach velocity problems due to inadequate baffling in the stilling basin below their outlets. During one of our rating measurements series, the hydraulics in the basin was so bizarre that the GH at the weir actually dropped when the flow was increased. Denver agreed to redesign the basin when the reservoir is enlarged and operate the outlets in such a way that basin turbulence can be monitored. Also, the theoretic rating for the Cipolletti will be abandoned in favor of a rating developed from hydrographic measurements.

Inspection of flumes and weirs has become a growing task for the Hydrographic engineers, particularly as more measurement devices are installed for augmentation credit on ditch returns. Engineer Lee Cuning continues with a heavy load of fieldwork, gaining invaluable experience as Bob Cooper winds down towards retirement.



Community Involvement

Division One personnel continue to attend and make presentations at ditch companies, water conservancy districts, and other water user group meetings. Individual water commissioners and other Division staff also attended and participated in many water user organization annual meetings. In addition, we participated in several public meetings associated with Surface Water Supply Initiative project and associated with well administration.

Staff also continues to speak at meetings for realtors and homeowner groups, schools and universities and other groups interested in water. Specifically, staff this year was involved in teaching a couple of basic water resources/rights class at CSU, giving a Continuing Law Education presentation, as well as presentations to area realtors concerning wells, and the Eaton Rotary Club concerning water supplies. Staff also talked to a rural appraiser group and elementary school classes

about water rights, and talked to secondary school students about possible careers in water related fields.

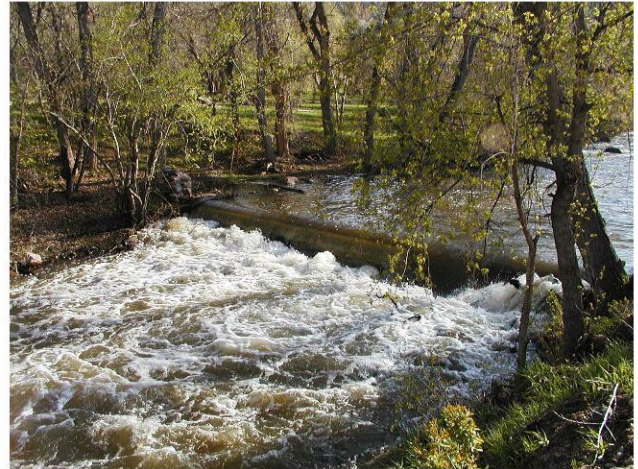
This year Greeley and Denver staff again worked a booth at the Greeley Farm Show. Staff distributed information and answered questions of the public that stopped at the booth. This year, given the uncertainty surrounding the operation of large capacity wells, a great many questions were related to those wells. The overall public response to the booth was positive.

Accomplishments

Wells in the South Platte basin are an integral source of irrigation water. Water rights for these wells, however, are very junior. Thus well pumping would have to be curtailed unless adequate replacement water is provided for the well depletions that impact senior surface water users. Division 1 has encouraged and assisted where appropriate in the development of new sources of replacement water for these wells. New sources include a large number of new recharge projects, expansion of existing recharge projects and new wells located far from the river (whose depletions often occur when there is not a demand by senior water users) that pump to senior ditches or the river. Division 1 has also encouraged the cooperation of organizations that provide replacement water for wells and has provided input to Colorado State University in their efforts to provide accounting software for recharge and well depletion estimates. Even with these efforts, the Division has had to post orders to curtail use (tag) on several hundred wells in 2003. In addition, Division staff has had to verify that users who have been tagged have not pumped causing injury to senior vested water rights.

The Division was actively involved in identifying water right ownership in response to legislation requiring the charging of fees for water rights of over 1 cfs for direct rights and over 100 acre-feet for storage rights. Regardless of the long term viability of the fee program, this

information will be useful in determining what water rights no longer exist and should be placed on the abandonment list and useful in allowing administration of water rights that have not historically been administered.



The Division has continued to provide significant support to the development of the South Platte Decision Support System as described elsewhere in this report. Of note, this has included locating the majority of diversion structures in Division 1 with GPS equipment and meeting with SPDSS consultants to provide information on specific water districts in the Division.

The Division has also continued its GPS well location program in the Republican River Basin providing necessary information to support the compact. The Division has continued to assure compliance with the South Platte River Compact and Laramie River agreement. Also, the division was able to successfully administer the first long term reservoir call during the non-irrigation season in many years in response to recent drought conditions. In addition, the Division was able to administer and keep diversion records both for a very large increase in recharge sites and for the extensive use of new augmentation wells that provide water to the river in times of immediate need.

ONGOING PROJECTS

Colorado State University (South Platte Map)

Division One continued as a participant in the set of computer tools being developed by the Integrated Decision Support (IDS) Group at Colorado State University. Other organizations contributing to the design of the tools include the Central

Colorado Water Conservancy District, the Lower South Platte Water Conservancy District, and the Northern Colorado Water Conservancy District. The tools, collectively known as the South Platte Mapping and Analysis Program (SPMAP), are designed to enhance water management by matching data acquisition, system design, modeling, and user interfaces with the expressed needs of area water managers.

The focus of the SPMAP project is to develop management tools for computing augmentation requirements. These tools are developed with regular feedback from the participating organizations during the planning, development and implementation stages. Drought conditions and the recent changes made to CRS 37-92-308 have made the refinement of the SPMAP tools even more imperative.

Recently, one of the most popular functions of the GIS component, a well location tool, was made into a stand-alone program for use throughout the state of Colorado. The Integrated Decision Support Public Land Survey System Locator (IDS PLSS Locator) helps users identify UTM coordinates for wells if PLSS information is known and to identify PLSS information for wells if UTM coordinates are known. The tool also has the capability to display GIS layers and their associated information. This helps users to visualize and check the locations of GPSed structures as well as to display information from current DWR or user supplied GIS layers.

The SPMAP tools also include a data driven consumptive use (CU) model, the IDS CU Model, that can be used anywhere in the state. Input for the CU model can either be imported from SPGIS, entered directly into the IDS CU Model interface, or imported from a generic database. This year, IDS staff worked closely with some of the water conservancy districts and several well user groups to automate a process to import data from their customer databases into the CU model.

Two stream depletion tools, SDF View and IDS AWAS (Alluvial Water Accounting System), have been developed. With these tools, users can estimate stream depletions due to well pumping or stream accretions due to recharge. SDF View, the original stream depletion program included in the SPMAP tools, continues to be updated while IDS AWAS was developed in response to requests by the SPMAP advisory committee for a program that would meet their needs for more detailed augmentation accounting. IDS AWAS is based on the stream depletion model that was initially developed by Dwayne Schroeder of the SEO in 1987. A new computation model was written in C++ and a geographic user interface (GUI) was developed for it. This model allows for daily, weekly, monthly or annual time steps and has the capability to compute depletions for alluvial aquifers with different types of boundary conditions.

South Platte Decision Support System

Division 1 has been working with Riverside Technology Inc. (RTI) and Leonard Rice Consulting Engineers (LRCE) to assemble information for the South Platte Decision Support System (SPDSS) modeling and administration effort. Both companies have conducted interviews with Division 1 water commissioners regarding district water operation methodologies as well as to learn about the service areas of each district's ditches and information about irrigated acreage.

LRCE is using the information for modeling consumptive use as well as to compile a set of "Basin Information Reports" which will detail each district's water management methodologies. RTI has been working on classifying satellite imagery acquired in 2000 as well as creating a seamless assemblage of aerial photographs of the South Platte River Basin. This image classification and compilation is being used for delineating irrigation ditch service areas. The result will be detailed maps of aerial water distribution and use for each district.

Interviews with each commissioner have also resulted in the increased accuracy of current straight line diagrams as well as the conversion of old paper versions into digital format. The diagrams are currently being digitized and edited for accuracy in the division office and are proving to be very popular with both water users and consultants. Digital versions of the diagrams will be available in 2004 for download on the Colorado Decision Support System website in pdf format

GPS Program

The surface structure component of the GPS program proceeded nicely with an estimated 60% of structures located by the end of 2003. Headgate, flume and other water administration structure locations for districts 1, 2, 64, 4, 5, and 23 were being QAQCed. District 3 structures will be GPS'd in 2004. The acquired locations will improve upon existing diversion locations in Hydrobase (Division of Water Resources water information data base) as well as providing locations for flumes and other structures that are not currently in HydroBase.

The well location effort also continued though scaled back due to the issues associated with well administration. Well locations from past efforts in District 1, 2, and 64 will be QAQCed. In 2004, irrigation wells in District 3 will be located. In addition, more irrigation well will be located as a byproduct of the division's well enforcement program. The goal is to GPS all of

Division 1's roughly 8000 irrigation wells. These updated locations will help modeling efforts, mapping, as well as potential enforcement.

ONGOING ISSUES OR OPERATIONS

Tributary Well Operations and Administration

In 2003, well user groups in the South Platte basin found it extremely difficult to obtain replacement water supplies and State Engineer approval to allow operation of tributary wells in the South Platte basin. The great majority of these wells were used for irrigation purposes.

Part of the problem was the uncertainty created by recent litigation concerning how the State Engineer could continue to approve Substitute Supply Plans (SSP's) for tributary wells absent a court approved plan for augmentation. Historically, the State Engineer had used SSP's to approve the replacement of out-of-priority depletions and operation of the majority of tributary irrigation wells.

In response to a December 2001 Supreme Court ruling limiting his authority to approve SSP's, the State Engineer proposed new Rules to allow for such approval for tributary wells in the South Platte in 2002. In December of 2002, the Division 1 Water Court ruled that the State Engineer could not approve SSP's under the proposed 2002 Rules and Regulations. The Colorado Supreme Court confirmed the Water Court's decision in April 2003. Legislation enacted in 2002 and 2003 provided a new mechanism for some users to obtain approval of SSP's under certain conditions, but the criteria were not fully known until the irrigation season had begun. The recent rulings did not affect those well users who were entitled to pump under an existing decreed plan for augmentation.

Perhaps more important than the legal difficulties, the drought conditions in 2002 and

early 2003 made it very difficult for well user groups to secure replacement water supplies for the 2003 season. This problem was compounded by new notice requirements that made securing supplies in time for the irrigation season difficult even when water conditions improved.

Historically, replacement for the majority of tributary irrigation wells has been made by the Groundwater Appropriators of the South Platte (GASP). Because of the new requirements and water supply conditions, GASP was not able to obtain approval of a substitute supply plan that would have allowed these wells to pump in 2003. The State Engineer did approve a plan for GASP to replace delayed depletions created by pumping from previous years. Many individual well users with their own replacement resources from specific ditches and geographic areas were able to obtain approval of SSP's that allowed pumping of their irrigation wells. While the majority of the approximately 4000 wells in question were allowed to pump, over 800 irrigation wells could not be pumped because they were not covered under a SSP in 2003.

Division 1 became involved in enforcement activities far exceeding those previously required for well administration. With the limited staff available, the Division issued orders to over 400 well users not covered by approved SSP's to not pump or curtail pumping. The majority of these orders were issued by attaching a tag on the well indicating that the well could not be pumped. At that time, well information including electric and flow meter readings were taken. This information will provide the basis to assure there is not illegal pumping of these wells. Tagging will continue this winter for wells still not in a SSP that allows well pumping. The Division is also beginning to file complaints with the Water Court against well users who have violated Division orders not to pump.

Senate Bill 73, approved in the spring of 2003, requires that all well user groups file for approval of a Plan for Augmentation with the Water Court by December 31, 2005. Plans

have already been filed for the majority of wells in the basin. Those wells that are not included in such plans will not be able to pump.

Denver Metropolitan Area Water Supply Development

South Metro Supply Study

A major study commissioned by 11 Water Districts in Douglas and Arapahoe counties has looked at current projections in the use of water supplies and the impact of future demands. The region's major source of water has been the Denver Basin Aquifers. The study concludes in part that the area's current dependence on these waters will be tested as the aquifer reserves are drawn down. Pumping costs will increase. Full development of the area is estimated to occur by 2040. Well before then it is conceded that new pumping strategies as well as new water sources will be needed to serve the additional businesses and residences as well as those already here. Douglas County had the most growth of any county in the United States for the 1990's and it continues to grow at a near record pace¹.

Denver's Response to the drought includes different ways to use their flows in Waterton Canyon and their Chatfield Storage.

Denver's use of Chatfield water has changed due to the ongoing drought. New diversion structures and changes in operations that were scheduled later in this decade were implemented ahead of schedule.

Two new diversion structures have been constructed to intercept Denver's water flowing down Waterton Canyon and to remove storage from Chatfield Reservoir. There are further plans for another diversion out of Chatfield manifold as well. These plans have potential adverse effects on the recreational benefits of

¹ South Metro Water Supply Study Board, "South Metro Water Supply Study Executive Summary", December 2003.

this water and the surrounding Chatfield State Park. Lower fluctuating water levels will inhibit maximum use of the reservoir for boating and swimming; however, Denver will be able to have emergency access to their storage water and more flexibility to lessen the severity of the drought on their customers.

Implementation of recently acquired water rights by Centennial, (Highlands Ranch) Water District.

Centennial Water District has added changed water rights from Deer Creek and South Park to their Water Supply portfolio, which in turn has added new deliveries of water to their municipal intakes at and below Chatfield.

The transfer of South Park irrigation rights to municipal use in Highlands Ranch has brought about an innovative method to return irrigation season return flows to the river. Since Centennial has no reservoirs in South Park, Infiltration beds were built at the old diversion point on Tarryall Creek. As the right is measured, a portion is diverted to the beds, which then percolates into the alluvium. A new stream gauge ran by the USGS monitors flows above these transferred rights. The gage completes the facilities needed to implement the transfer.

Proposed City of Parker Reuter Hess Reservoir

Parker is proposing a major new reservoir for additional supply to the City. Studies started over 20 years ago initiated water court cases that secured water rights for the Reuter Hess Reservoir. Construction on the reservoir could begin by 2006. The reservoir as planned would store 16200 AF of Cherry Creek storm flow stored during wet years as well as alluvial groundwater, reusable effluent by exchange, irrigation return flows, and water from other, as yet unnamed sources. At present, the Army

Corp of Engineers is still reviewing the necessary Federal permits.²

Platte River Endangered Species Partnership

State and water user representatives continue to work toward a basin-wide cooperative solution that addresses endangered species issues on the Platte River and also allows the continued use and development of water within Colorado. In order

to provide more focus to the negotiation process, the negotiation teams were reduced to key members late last summer which resulted in significant progress toward the end of 2003 with tentative solutions to the major issues. Because of this progress, the Cooperative Agreement was extended to July of 2005 in order for the proposed Program to go through National Environmental Policy Act review, to receive the final review of the science behind the issues by the National Academy of Sciences (NAS), and if still agreeable following the reviews, obtain consent of the signatories to the Cooperative Agreement.

The Draft Environmental Impact Statement was released in January of 2004 with comments due in June. The review by the National Academy should be released by April 15. Because of the potential impact that the NAS report could have on the proposed Program, the Draft Biological Opinion from the Fish and Wildlife Service has been on hold; however it should be released within a few weeks following the NAS report. The final Record of Decision regarding the proposed Program is scheduled to be done by the end of 2004.

In anticipation that an agreement could be made in 2005, the state and water users have renewed efforts to organize a governing entity that would oversee Colorado's participation in a basin-wide program. They have also re-initiated the planning to provide Colorado's

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contributions to such a program. New efforts have begun that will add to the Tamarack Plan. The South Platte Lower River Group has a \$150,000 grant from the CWCB to develop public/private partnerships that will add water to Colorado's plan. Due to severe budget shortfalls at the state level, water users are contemplating alternative funding possibilities. The cost of the proposed program appear to almost doubled from the original \$75 million that was first identified at the signing of the Cooperative Agreement. Colorado's original share of water value and cash was \$15 million.

Republican River Compact Litigation

The stipulated settlement to the Republican River interstate compact lawsuit before the United States Supreme Court, Kansas v. Nebraska and Colorado, was presented to the Supreme Court by the Special Master on December 15, 2002. The Supreme Court adopted it on October 20, 2003.

The acceptance by the Supreme Court signals a new era of water distribution in the 24,900 square-mile watershed of the Republican River covering parts of northeastern Colorado, southwestern Nebraska, and northern Kansas. The main points of the settlement included: (A) a waiver of claims and damages through December 15, 2002 by each state; (B) a new well moratorium in the upper end of the basin (Colorado and Kansas agreed that their existing stringent well restrictions would not be reduced); (C) ground water use accounting via a model developed jointly by the three states and the Federal government; (D) other detailed water accounting agreements; (E) a lower basin administration agreement; (F) a process for future dispute resolution; and (G) an agreement to cooperate on several technical studies.

COURT DECISIONS

Golden Boat Chute (98CW448)

The City of Golden Whitewater Course challenged several operating principles historically endorsed by the Division Engineer. First was the concept of "diversion and control". Golden argued that the mere placement of material such as boulders, grouting, etc. within the streambed to form river currents and eddies constituted a diversion and control of the stream. The state argued that the historic concept of a channelized diversion was required to obtain a water right, even if such "diversion" was in stream as in the case of previous "boat chutes" built to provide passage through shallow reaches of a stream. Second was the state's position that statute allowed only the Colorado Water Conservation Board to obtain "in-stream" water rights. Thirdly, the state argued that any water right awarded should be limited to that "reasonably required" to provide the recreational benefit as opposed to awarding the city the right to more or less "command the hydrograph" of the river.

After a several day trial, Judge Hayes ruled against the state on all issues of concern. On appeal to the Supreme Court of Colorado (01SA252), on May 19, 2003 the Court, being equally divided three to three affirmed the decision by Judge Hayes. Justice Hobbs recused himself from participation in the decision.

Oulette Administration (02CW191)

A second Clear Creek case was appealed to the Supreme Court this year. The City of Golden, in a 1966 decree changed a portion of the Oulette Ditch, Clear Creek Priority No. 5, to municipal use and obtained an alternate point of diversion to a location upstream of the Farmers Highline Canal, which also had some changed Oulette Priority No. 5 water as well as an original Priority No. 9 diversion right. In so doing, the City of Golden agreed to not divert water at the alternate point

of diversion any time the changed volume of water was available at the original Oulette headgate and such diversion would “result in a call at the headgate of the Farmers Highline Canal on the No. 5 and 9 rights divertible at said headgate.”

In July 2002, the flow in Clear Creek dropped to the point where the No. 9 right was not being satisfied. Upon review of Golden’s change decree, the Division Engineer issued a Cease and Desist Order to curtail the city’s diversion of the Oulette water. The city presented its objection to the Division One Water Court, however, Judge Hayes ruled in favor of the Division of Water Resources. The city appealed to the Supreme Court (02SA364).

The City of Golden presented two arguments to the Court as to how the water court erred. First, Golden claimed that it had a valid right to the water and should not have been curtailed. In making this claim, Golden presented its “cusp” theory of water rights administration. Second, Golden asserted “that regardless of the merits, the court prematurely dismissed the case after simply holding a hearing on the TRO, and instead should have conducted another hearing involving the permanent injunction”.

The Supreme Court held that Golden was properly ordered to stop diverting in accordance with the terms of the 1966 change decree.

PERSONNEL/WORKLOAD ISSUES

Personnel Changes

Division One experienced several personnel changes that came about because of new opportunities, vacancies, loss of life and retirements.

In April, Dennis and Denise Miller decided to leave and go to Division Seven in Durango. Denise was the Water District 8 Commissioner and previous District 23 Commissioner. After working for Division One for over 15 years, she opted to take the Water Commissioner job on

the Mancos River. Dennis was a Dam Safety Inspector in our office for over ten years and decided to take the head Dam Safety position in the Durango Office. The Miller’s leaving hit our office doubly hard, not only because we had worked together for many years and would miss them, but because they both had vast knowledge of their positions. Mark Trivisonno, who was Denise’s summer deputy, was hired to fill Denise’s position. This personnel change made for a smooth transition with Mark’s previous experience of the district. The dam safety position was a different story. Due to the restructuring of the Dam Safety Program responsibilities, this position was reallocated to Division Seven.

In May, Michael Garner was hired to fill a hydro position that had been held vacant. Mike brought to our office a broad background in hydrology having previously worked for the US Geological Survey collecting stream flow data, maintaining satellite telemetry stations, and presenting and reviewing water records.

Also in May, our office experienced a very devastating event that has affected all of us forever. Rodger Burcher, a hydrologist, was killed in a vehicle accident on his way home from work. As we all saw and spoke to Rodger earlier that day, we never realized that this would be our last opportunity to share anything with him. His death made us all realize how very short and precious life can be. With the loss of Rodger, Mike Garner filled in and took over the stations that Rodger maintained in the South Park area.

After months of being Acting Division Engineer after the retirement of Dick Stenzel, Jim Hall was officially appointed as Division One Engineer Dave Nettles was hired into Jim Hall’s previous position as the lead Assistant Division Engineer taking over Jim’s duties that include personnel and enforcement. Scott Cuthbertson was then hired to fill Dave’s Assistant Division Engineer position working mainly with water court applications and decrees. Scott’s appointment left the Clear Creek Engineer’s position open. We hired Claudia Engemann

from the Denver Office to fill that position. All of our engineering positions are filled again.

Employee Recognition

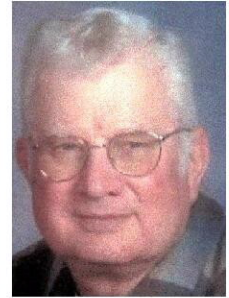
Water Commissioner of the Year

Brent Schantz was selected as the Water Commissioner of the Year for Division 1 for 2003. Brent took over last year as the lead commissioner for District 1 replacing Mae Cunning who had been the commissioner for several years. Brent developed excellent rapport with the users in the District almost immediately. Many users on the South Platte commented how well Brent had done his first year to make administration work smoothly in a dry year. Brent's had to administer a reservoir call during his first winter on the job, the first time in many years that such a call has occurred. Brent also was involved in the administration of several hundred wells along the South Platte in response to two Supreme Court rulings and the drought conditions the last several years.



Brent is a leader in making improvements in administration. In response to the explosion of recharge sites and their measuring requirements, Brent lead his users in the use of data loggers to keep track of diversions and eliminated the need to break down charts and go by diversion structures with consistent flows quite as often. Brent has been active in volunteering for the Division such as leading the

effort to have a Division of Water Resources booth at the Greeley Farm Show and participating as a volunteer at the Water Exhibit at the state fair. Brent is also a leader in the local Colorado Water Officials Association. He has used that organization to develop a forum to allow the sharing of information within the Division on a monthly basis.



In Memory

Rodger L. Burcher started working in our office as a 1042 Water Commissioner in February 1988. His position evolved over time to hydrography duties. Rodger passed away on May 14, 2003 in a traffic accident on his way home from work.

Rodger had a quick smile, a funny sense of humor and a heart as big as the world. If there was a project to be built or something to be fixed, we always went to Rodger. He was the "Mr. Fix-it" of the office. He loved to listen to a variety of music in the office and would sing along. On birthday celebrations in the office, we miss him singing his gloomy rendition of the "birthday song" which reminded us that we are all getting older. Rodger was a wonderful man, friend and co-worker and is greatly missed.

WATER ADMINISTRATION DATA SUMMARIES

Runoff Forecast

SOUTH PLATTE RIVER BASIN

Reservoir Storage (1000 AF) - End of January

RESERVOIR	USABLE CAPACITY	USABLE STORAGE		
		THIS YEAR	LAST YEAR	AVERAGE
ANTERO	20.0	0.0	0.0	16.4
BARR LAKE	32.0	21.1	15.0	24.0
BLACK HOLLOW	8.0	2.8	2.1	3.9
BOYD LAKE	49.0	49.0	30.8	32.1
CACHE LA POUFRE	10.0	1.4	2.2	7.2
CARTER	108.9	34.7	94.1	84.6
CHAMBERS LAKE	9.0	6.1	2.6	3.0
CHEESMAN	79.0	59.3	48.2	59.7
COBB LAKE	34.0	5.2	2.5	13.9
ELEVEN MILE	97.8	71.0	44.5	95.9
EMPIRE	38.0	20.8	15.2	22.8
FOSSIL CREEK	12.0	4.6	5.0	6.8
GROSS	41.8	27.4	17.8	26.0
HALLIGAN	6.4	3.8	2.5	4.3
HORSECREEK	16.0	10.1	1.1	11.6
HORSETOOTH	149.7	111.6	15.5	99.0
JACKSON	35.0	23.8	24.1	26.1
JULESBURG	28.0	15.2	15.8	18.8
LAKE LOVELAND	14.0	10.6	8.0	8.7
LONE TREE	9.0	6.9	5.9	6.4
MARIANO	6.0	0.9	0.5	4.2
MARSHALL	10.0	6.0	3.3	5.1
MARSTON	13.0	15.4	4.8	12.8
MILTON	24.0	8.2	3.0	15.5
POINT OF ROCKS	70.0	34.3	18.9	57.0
PREWITT	33.0	6.4	2.3	19.3
RIVERSIDE	63.1	34.6	18.0	41.7
SPINNEY MOUNTAIN	48.7	24.1	14.5	33.3
STANDLEY	42.0	38.8	19.8	33.1
TERRY LAKE	8.0	5.8	1.4	5.3
UNION	13.0	10.1	5.6	10.6
WINDSOR	19.0	8.8	0.4	10.8

Information taken from Colorado Basin Outlook Report, February 1, 2004

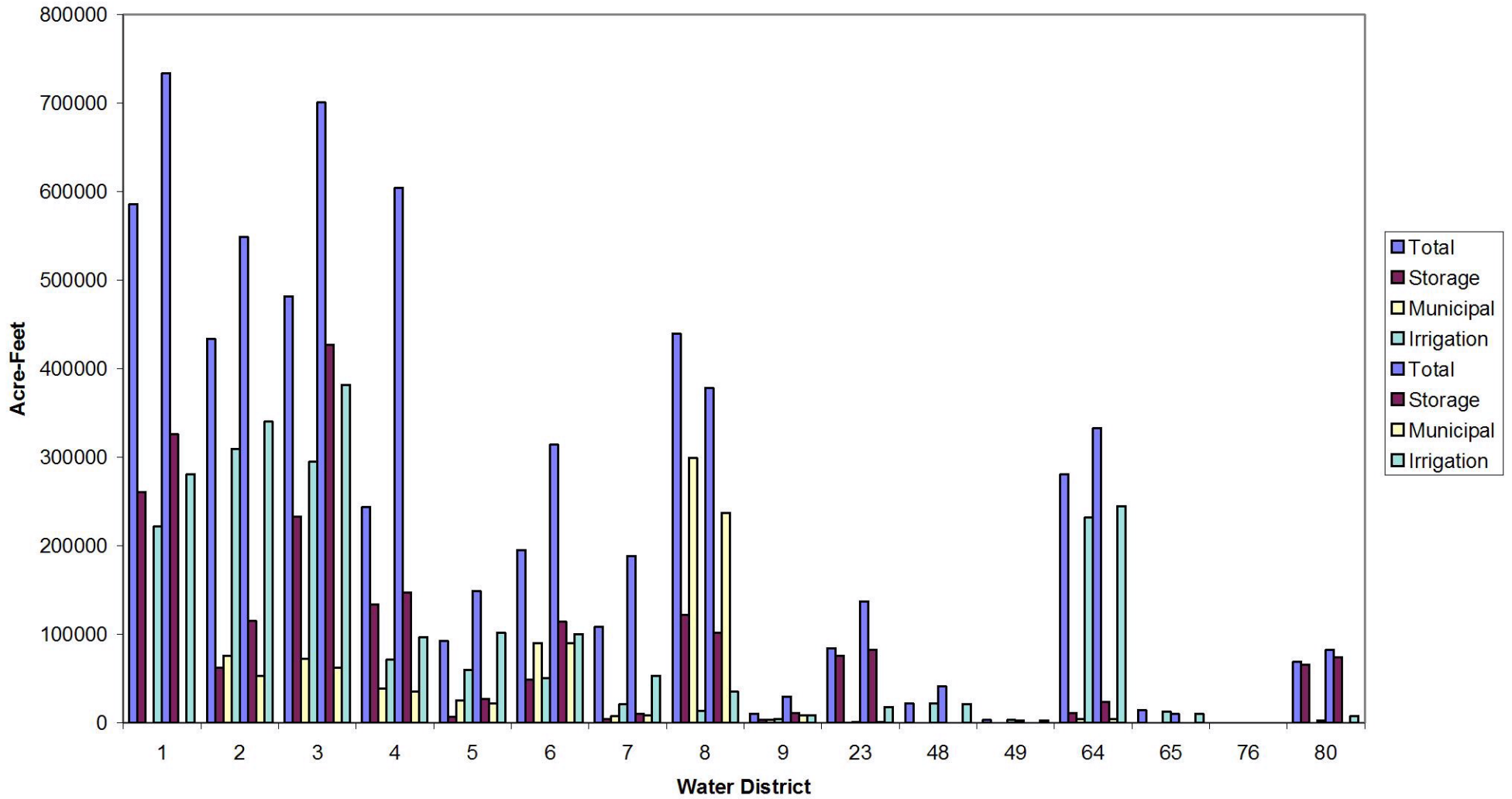
SOUTH PLATTE RIVER BASIN WATER SNOWPACK

WATERSHED	NUMBER OF DATA SITES	THIS YEAR AS % OF	
		LAST YEAR	AVERAGE
BIG THOMPSON BASIN	7	114	74
BOULDER CREEK BASIN	5	100	61
CACHE LA POUFRE BASIN	8	108	71
CLEAR CREEK BASIN	4	101	78
SAINT VRAIN BASIN	4	94	55
UPPER SOUTH PLATTE BASIN	15	92	53

*Information taken from Colorado Basin Outlook Report, February 1, 2004.

Water Diversion Graph

**DIVISION 1
2003 Diversions**



Transmountain Diversions

**2003 TRANSMOUNTAIN DIVERSION SUMMARY - INFLOWS
(November 2002 - October 2003)**

RECIPIENT								SOURCE		
WD	ID	NAME	STREAM	10 YEAR AVG		CURRENT YEAR		WD	ID	STREAM
				AF	DAYS	AF	DAYS			
3	4604	WILSON SUPPLY DITCH	CACHE LA POUFRE RIVER	1,309	45	1,351	44	48	4604	SAND & DEADMAN CR.
3	4608	DEADMAN DITCH	CACHE LA POUFRE RIVER	122	18	99	12	48	4608	DEADMAN CREEK
3	4606	BOB CREEK DITCH	CACHE LA POUFRE RIVER	28	23	147	48	48	4606	NUNN CREEK
3	4607	COLUMBINE DITCH	CACHE LA POUFRE RIVER	0	0	0	0	48	4607	DEADMAN CREEK
3	4600	LARAMIE-POUDRE TUNNEL	CACHE LA POUFRE RIVER	10,784	90	9,748	80	48	4600	LARAMIE RIVER
3	4605	SKYLINE DITCH	CACHE LA POUFRE RIVER	215	10	0	0	48	4605	LARAMIE RIVER
3	4602	CAMERON PASS DITCH	CACHE LA POUFRE RIVER	29	12	92	36	47	4602	MICHIGAN RIVER
3	4603	MICHIGAN DITCH	CACHE LA POUFRE RIVER	3,726	321	3,133	360	47	4603	MICHIGAN RIVER
3	4601	GRAND RIVER DITCH	CACHE LA POUFRE RIVER	14,939	132	2,511	133	51	4601	COLORADO RIVER
4	4634	ADAMS TUNNEL	BIG THOMPSON RIVER	184,783	348	76,102	339	51	4634	COLORADO RIVER
6	4655	MOFFAT TUNNEL	SOUTH PLATTE RIVER	37,711	361	37,532	365	51	4655	FRASER RIVER
7	4625	BERTHOUD PASS DITCH	CLEAR CREEK	817	67	298	94	51	4625	FRASER RIVER
7	4626	VIDLER TUNNEL	CLEAR CREEK	384	67	220	52	36	4626	MONTEZUMA CREEK
7	4682	STRAIGHT CREEK TUNNEL	CLEAR CREEK	115	183	187	365	36	4682	STRAIGHT CREEK
8	653	ROBERTS TUNNEL	SOUTH PLATTE RIVER	55,879	271	41,603	365	36	4684	BLUE RIVER
23	4611	BOREAS PASS DITCH	SOUTH PLATTE RIVER	129	57	86	72	36	4685	INDIANA CREEK
23	4612	HOOSIER PASS DITCH	ARKANSAS RIVER	6,976	151	4,130	207	36	4683	BLUE RIVER
23	4490	AURORA HOMESTAKE	SOUTH PLATTE RIVER	17,961	201	6,515	127	37	4644	HOMESTAKE CREEK

Reservoir Storage Summaries

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 1

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
1	3570	BIJOU #2	SOUTH PLATTE	0	11/30/02	1,095	04/30/03	0
1	3816	EMPIRE	SOUTH PLATTE	3,899	10/31/03	26,275	06/30/03	3,899
1	3817	JACKSON	SOUTH PLATTE	3,460	09/30/03	26,740	06/30/03	3,560
1	3651	RIVERSIDE	SOUTH PLATTE	14,577	10/31/03	57,166	03/31/03	14,577
1	3400	VANCIL	SOUTH PLATTE	642	03/31/03	2,056	10/31/03	2,056
1		OTHERS		405		1,761		511
1		TOTALS		22,983		115,093		24,603

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 2

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
2	3837	OASIS RES/BARR	SOUTH PLATTE	3,766	11/30/02	31,095	05/31/03	10,445
2	3351	BULL CANAL #8	CLEAR CREEK	682	08/31/03	3,511	06/30/03	1,239
2	3861	GREAT WESTERN	WALNUT CREEK	0	12/31/02	1,722	08/31/03	1,496
2	3592	HORSE CREEK	SOUTH PLATTE	1,561	11/30/02	15,041	06/30/03	2,648
2	3902	LORD	SOUTH PLATTE	0	11/30/02	988	06/30/03	0
2	3858	LOWER LATHAM	SOUTH PLATTE	2,395	11/30/02	6,212	12/31/02	4,796
2	3876	MILTON	SOUTH PLATTE	2,908	11/30/02	22,041	05/31/03	5,426
2	3609	PROSPECT	SOUTH PLATTE	1,209	02/28/03	5,214	05/31/03	1,990
2	3375	QUINCY	SOUTH PLATTE	2,298	08/31/03	2,624	03/31/03	2,555
2	3903	STANDLEY	WOMAN CREEK	75	02/28/03	87	11/30/02	75
2	3700	TANI LAKES COMBINED	SOUTH PLATTE	2,946	11/30/02	5,237	04/30/03	3,807
2	3699	WEST GRAVEL LAKES COMBINED	SOUTH PLATTE	2,034	05/31/03	2,788	03/31/03	2,621
2		OTHERS		1,604		3,061		2,099
2		TOTALS		21,478		99,621		39,197

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 3

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
3	3774	FOSSIL CREEK	FOSSIL CREEK	815	10/31/03	10,135	04/30/03	815
3	3712	HALLAGAN/NORTH POUUDRE #16	N FK POUUDRE RIVER	379	09/30/03	6,428	04/30/03	1,123
3	3707	INDIAN CREEK/MTN SUPPLY #16	INDIAN CREEK	21	03/31/03	1,328	06/30/03	715
3	3697	NORTH POUUDRE #2/DEMMELE LAKE	N FK POUUDRE RIVER	1,736	10/31/03	3,363	06/30/03	1,736
3	3702	NORTH POUUDRE #3/HACKEL LAKE	N FK POUUDRE RIVER	1,568	04/30/03	2,655	06/30/03	2,224
3	3704	NORTH POUUDRE #4	N FK POUUDRE RIVER	450	07/31/03	695	10/31/03	695
3	3698	NORTH POUUDRE #5/BEE LAKE	N FK POUUDRE RIVER	2,348	12/31/02	4,673	09/30/03	4,100
3	3716	NORTH POUUDRE #15	N FK POUUDRE RIVER	0	11/01/02	5,315	06/30/03	3,732
3	3715	PARK CREEK	PARK CREEK	587	11/30/02	6,931	06/30/03	2,645
3	3730	COBB LAKE	CACHE LA POUUDRE RIVER	2,472	12/31/02	6,140	06/30/03	5,330
3	3713	SEAMAN/MILTON SEAMAN	N FK POUUDRE RIVER	2,505	12/31/02	5,008	04/30/03	5,008
3	3780	CLAYMORE	CACHE LA POUUDRE RIVER	110	08/31/03	851	05/31/03	264
3	3772	SEELEY	CACHE LA POUUDRE RIVER	0	10/31/03	1,069	06/30/03	0
3	3804	WARREN	CACHE LA POUUDRE RIVER	96	02/28/03	2,099	05/31/03	1,422
3	3786	WOOD	ROLLARD DRAW	515	12/31/03	2,770	06/30/03	1,966
3	3678	MOUNTAIN SUPPLY RESERVOIR #20	JOE WRIGHT RESERVOIR	294	11/30/02	7,055	06/30/03	4,573
3	3952	RAWHIDE	CACHE LA POUUDRE RIVER	14,966	09/30/03	16,051	05/31/03	15,014
3	3732	HORSETOOTH	DIXON CANYON CREEK	10,459	11/01/02	52,859	09/30/03	47,808
3	3725	DOUGLASS	CACHE LA POUUDRE RIVER	1,194	11/01/02	5,014	06/30/03	3,320
3	3727	WINDSOR RESERVOIR #8	CACHE LA POUUDRE RIVER	0	11/01/02	10,045	06/30/03	0
3	3728	NO. 8 ANNEX	CACHE LA POUUDRE RIVER	163	01/31/03	3,482	06/30/03	260
3	3738	WINDSOR RESERVOIR	CACHE LA POUUDRE RIVER	2,482	11/01/03	16,061	06/30/03	6,791
3	3679	CHAMBERS	JOE WRIGHT CREEK	1,900	02/28/03	8,740	06/30/03	7,558
3	3676	LONG DRAW/GRAND RIVER	LONG DRAW CREEK	1,163	11/01/02	10,694	06/30/03	5,472
3		SUBTOTALS		46,223		189,461		122,571

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

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		46,223		189,461		122,571
3	3744	BLACK HOLLOW	CACHE LA POUFRE RIVER	3,009	03/31/03	4,804	08/31/03	4,011
3	3735	CURTIS	CACHE LA POUFRE RIVER	259	07/31/03	380	08/31/03	362
3	3740	KLUVER	CACHE LA POUFRE RIVER	64	11/01/02	727	06/30/03	571
3	3742	LONG POND/WATER SUPPLY #5	CACHE LA POUFRE RIVER	916	11/01/02	3,069	08/31/03	3,009
3	3736	ROCKY RIDGE/WATER SUPPLY #1	CACHE LA POUFRE RIVER	2,935	02/28/03	3,586	06/30/03	3,263
3	3737	WATER SUPPLY #2 & #3	CACHE LA POUFRE RIVER	176	12/31/02	4,100	06/30/03	3,143
3	3739	WATER SUPPLY #4	WATER SUPPLY RES #2 & #3	69	12/31/02	603	07/31/03	577
3	3805	TERRY/LARIMER WELD	CACHE LA POUFRE RIVER	470	11/01/02	8,028	06/30/03	4,890
3	3726	WORSTER	SHEEP CREEK	55	08/31/03	3,750	06/30/03	204
3	3775	TIMNATH	DUCK SLOUGH	0	10/31/03	10,117	06/30/03	0
3	3770	WINDSOR LAKE	CACHE LA POUFRE RIVER	0	11/30/02	3,163	08/31/03	2,095
3	3683	BARNES MEADOW RESERVOIR	BARNES MEADOWS CREEK	250	11/01/02	1,608	06/30/03	1,123
3	3699	NORTH POUFRE RESERVOIR #6	N FK POUFRE RIVER	2,002	11/01/02	4,166	06/30/03	4,345
3	3708	MOUNTAIN SUPPLY RESERVOIR #18	BOX ELDER CREEK	404	02/28/03	890	06/30/03	505
3	3745	DOWDY LAKE RESERVOIR	SOUTH PINE CREEK	553	01/31/03	916	06/30/03	760
3	3751	SOUTH GRAY RESERVOIR	BOX ELDER CREEK	59	11/01/02	470	07/31/03	129
3	3686	COMANCHE RESERVOIR	BIG BEAVER CREEK	0	11/01/02	2,629	06/30/03	0
3	3814	PANHANDLE RESERVOIR	PANHANDLE CREEK	970	11/01/02	1,017	11/30/02	1,017
3		OTHERS		3,329		8,255		5,140
3		TOTALS		61,743		251,739		157,715

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT
WATER DISTRICT 4

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
4	4156	BOULDER & LARIMER/ISH	LITTLE THOMPSON	0	11/30/02	5,117	05/31/03	1,731
4	4110	BOYD LAKE	BIG THOMPSON	6,039	01/31/03	39,352	06/30/03	30,273
4	4513	CARTER	BIG THOMPSON	42,517	10/31/03	104,369	02/28/03	42,517
4	4116	DONATH	BIG THOMPSON	245	11/30/02	1,124	04/30/03	419
4	4166	HERTHA RESERVOIR	DRY CREEK HERTHA	393	11/30/02	1,577	10/31/03	1,577
4	4123	HORSETOOTH RESERVOIR	BIG THOMPSON	1,601	11/30/02	7,796	06/30/03	5,437
4	4487	LAKE LOVELAND	BIG THOMPSON	7,620	11/30/02	12,395	06/30/03	10,368
4	4136	LON HAGLER	BIG THOMPSON	665	07/31/03	1,723	09/30/03	1,712
4	4137	LONE TREE	BIG THOMPSON	4,260	11/30/02	8,769	06/30/03	4,297
4	4133	LOVELAND LAKE	BIG THOMPSON	212	10/31/03	461	06/30/03	212
4	4134	BOEDECKER LAKE/MARINO	BIG THOMPSON	442	09/30/03	5,651	05/31/03	442
4	4146	WELCH LAKE	BIG THOMPSON	1,614	04/30/03	2,745	06/30/03	2,553
4		OTHERS		1,479		2,771		1,725
4		TOTALS		67,087		193,850		103,263

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 5

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
5	4020	BEAVER POND	BEAVER CREEK	320	11/30/02	2,232	06/30/03	320
5	4071	FOOTHILLS	ST. VRAIN	1,050	11/30/02	3,734	05/31/03	2,463
5	4037	HIGHLAND #1	ST. VRAIN	355	11/30/02	844	04/30/03	413
5	4032	HIGHLAND #2	ST. VRAIN	1,057	12/31/02	3,642	05/31/03	2,301
5	4038	HIGHLAND #3	ST. VRAIN	180	02/28/03	1,545	04/30/03	898
5	4073	MCINTOSH	ST. VRAIN	166	11/30/02	2,408	06/30/03	1,699
5	4063	PLEASANT VALLEY	ST. VRAIN	1,608	11/30/02	3,076	06/30/03	2,340
5	4067	OLIGARCHY RESERVOIR #1	ST. VRAIN	836	11/30/02	1,536	07/31/03	946
5	3905	UNION	ST. VRAIN	5,691	11/30/02	12,543	06/30/03	11,522
5	4076	LEFT HAND PARK	LEFT HAND CREEK	538	10/31/03	1,549	06/30/03	538
5	4488	LEFT HAND VALLEY	LEFT HAND CREEK	695	10/31/03	1,517	03/31/03	695
5	4010	BUTTON ROCK	ST. VRAIN	13,868	02/28/03	16,197	05/31/03	16,131
5	4379	NEW THOMAS	ST. VRAIN	1,630	11/30/02	2,300	05/31/03	1,809
5	4072	CLOVER BASIN RESERVOIR	ST. VRAIN	298	11/30/02	635	06/30/03	589
5	4081	LAGERMANN	LEFT HAND CREEK	699	02/28/03	817	06/30/03	736
5	4065	MCCALL RESERVOIR	ST. VRAIN	198	11/30/02	489	08/31/03	479
5		TOTALS		29,189		55,064		43,879

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

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	3,823	03/31/03	11,668	05/31/03	9,928
6	4173	BASELINE	BOULDER CREEK	3,023	01/31/03	5,326	06/30/03	3,857
6	4515	BOULDER	BOULDER CREEK	6,240	03/31/03	9,362	06/30/03	8,557
6	4489	GOOSE	NORTH BOULDER CREEK	1,036	11/30/02	1,036	11/30/02	1,036
6	4199	GROSS	SOUTH BOULDER CREEK	11,690	11/30/02	41,473	06/30/03	38,058
6	4178	HILLCREST	BOULDER CREEK	1,852	01/31/03	2,207	05/31/03	2,102
6	4180	LEGGETT	BOULDER CREEK	1,336	01/31/03	1,601	05/31/03	1,523
6	4212	MARSHALL	SOUTH BOULDER CREEK	2,710	11/30/02	9,655	06/30/03	5,126
6	4185	PANAMA	BOULDER CREEK	839	08/31/03	4,000	03/31/03	1,245
6	4238	SILVER	NORTH BOULDER CREEK	2,495	03/31/03	3,996	05/31/03	3,487
6	4187	SIX MILE	BOULDER CREEK	78	10/31/03	1,200	01/31/03	78
6	4214	MCKAY LAKE	SOUTH BOULDER CREEK	358	11/30/02	513	07/31/03	358
6	4230	VALMONT	SOUTH BOULDER CREEK	6,609	01/31/02	7,426	05/31/03	7,186
6		OTHERS		48		2,272		1,546
6		TOTALS		42,137		101,735		84,087

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 7

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
7	3324	RALSTON	RALSTON CREEK	6,312	10/31/03	10,477	06/30/03	6,312
7	4415	LONG LAKE RESERVOIR UPPER	RALSTON CREEK	919	02/28/03	1,469	04/30/03	1,216
7	3406	COORS B #3	CLEAR CREEK	1,359	03/31/03	2,508	05/31/03	2,435
7	3407	COORS B #4	CLEAR CREEK	2,700	12/31/02	4,000	05/31/03	4,000
7	3308	BLUNN	CLEAR CREEK	3,165	01/31/03	5,250	07/31/03	4,212
7	3702	FAIRMOUNT	CLEAR CREEK	704	06/30/03	919	10/31/03	919
7	4411	MAPLE GROVE	SOUTH CLEAR CREEK	849	02/28/03	1,134	08/31/03	959
7		OTHERS		886		2,417		1,566
7		TOTALS		16,894		28,174		21,619

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 8

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
8	3514	CHATFIELD	SOUTH PLATTE	16,560	08/31/03	28,618	02/28/03	17,803
8	3532	CHERRY CREEK	CHERRY CREEK	12,074	11/30/02	14,714	04/30/03	12,506
8	3832	MCLELLAN	DAD CLARK DITCH	4,132	10/31/03	5,866	04/30/03	4,132
8	3983	STRONTIA SPRINGS DVR DAM	SOUTH PLATTE	6,927	11/30/02	7,532	05/31/03	7,102
8		TOTALS		39,693		56,730		41,543

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 9

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
9	3815	SODA #1, #2	BEAR CREEK	430	12/31/02	1,452	05/31/03	1,197
9	4281	BOWLES	BEAR CREEK	1,247	11/30/02	2,148	03/31/03	1,322
9	4314	PATRICK	BEAR CREEK	1,097	12/31/02	1,185	03/31/03	1,136
9	3999	BEAR CREEK RESERVOIR	BEAR CREEK	1,676	01/31/03	2,053	05/31/03	1,919
9	3501	MARSTON	SOUTH PLATTE	11,429	11/30/02	19,405	05/31/03	15,017
9		OTHERS		1,223		3,390		2,222
9		TOTALS		17,102		29,633		22,813

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

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	8	11/30/02	8	11/30/02	8
23	3981	JEFFERSON LAKE RESERVOIR	JEFFERSON LAKE	398	11/30/02	1,829	06/30/03	1,208
23	3965	ELEVEN MILE	MID FK SOUTH PLATTE	44,472	12/31/02	69,607	10/31/03	69,607
23	3962	MONTGOMERY	MID FK SOUTH PLATTE	965	04/30/03	4,873	10/31/03	4,873
23	4013	SPINNEY MOUNTAIN	MID FK SOUTH PLATTE	16,876	04/30/03	39,875	08/31/03	31,597
23		TOTALS		62,719		116,192		107,293

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 64

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				MINIMUM		MAXIMUM		END OF YEAR
				AF	DATE	AF	DATE	
64	3552	PREWITT	SOUTH PLATTE	3,570	11/30/02	27,220	06/30/03	7,340
64	3551	NORTH STERLING	SOUTH PLATTE	9,460	10/31/03	72,440	06/30/03	9,460
64	3906	JULESBURG	SOUTH PLATTE	2,160	10/31/03	22,666	03/31/03	2,160
64		TOTALS		15,190		122,326		18,960

2002-2003 RESERVOIR STORAGE SUMMARIES BY DISTRICT

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	45,914	02/28/03	77,769	07/31/03	59,429
80	3829	WELLINGTON	N FK SOUTH PLATTE	2,354	11/30/02	4,182	08/31/03	3,515
80	3828	ALTURA RESERVOIR	GENEVA CREEK	0	11/30/02	430	06/30/03	0
80		TOTAL		48,268		82,381		62,944

Water Diversion Summaries

WD	DITCHES REPORTING			OTHERS		ESTIMATED NUMBER OF STRUCTURE VISITS	TOTAL DIVERSIONS (AF)	TOTAL DIVERSIONS TO STORAGE	TO IRRIGATION		
	WITH RECORD	NO WATER AVAIL.	NO WATER TAKEN	NO INFO AVAIL.	NO RECORDS				TOTAL DIVERSIONS (AF)	NO. OF ACRES IRRIGATED	AVG AF PER ACRE
1	353	39	132	178	5,215	5,062	733,904	325,649	280,552	210,000	1.34
2	304	27	175	18	4,477	2,361	548,986	114,813	339,946	180,000	1.89
3	217	0	45	23	2,833	2,209	700,657	426,913	381,729	180,000	2.12
4	125	0	40	28	1,257	2,553	604,019	146,717	96,327	100,000	0.96
5	144	1	21	19	1,209	2,627	148,864	27,045	101,564	40,000	2.54
6	176	1	57	49	1,684	5,405	313,998	114,154	100,059	35,000	2.86
7	139	2	114	7	1,737	3,123	188,478	9,994	53,262	14,000	3.80
8	765	33	216	275	6,522	1,284	378,002	102,052	34,905	18,000	1.94
9	120	1	7	6	1,552	1,776	29,642	10,964	8,654	1,700	5.09
23	229	26	121	20	1,797	1,118	137,236	81,989	18,065	9,565	1.89
48	57	0	19	0	69	2,260	40,920	0	21,296	5,000	4.26
49	9	0	19	4	29	440	2,760	0	2,760	1,500	1.84
64	289	8	32	0	1,784	4,692	332,773	23,652	244,773	190,000	1.29
65	14	0	26	10	83		9,795	0	9,795	4,700	2.08
76	0	0	0	0	0		0	0	0	350	0.00
80	168	9	41	10	939		82,344	74,015	7,655	4,000	1.91
TOT	3109	147	1065	647	31,187	34,910	4,252,378	1,457,957	1,701,342	993,815	1.71

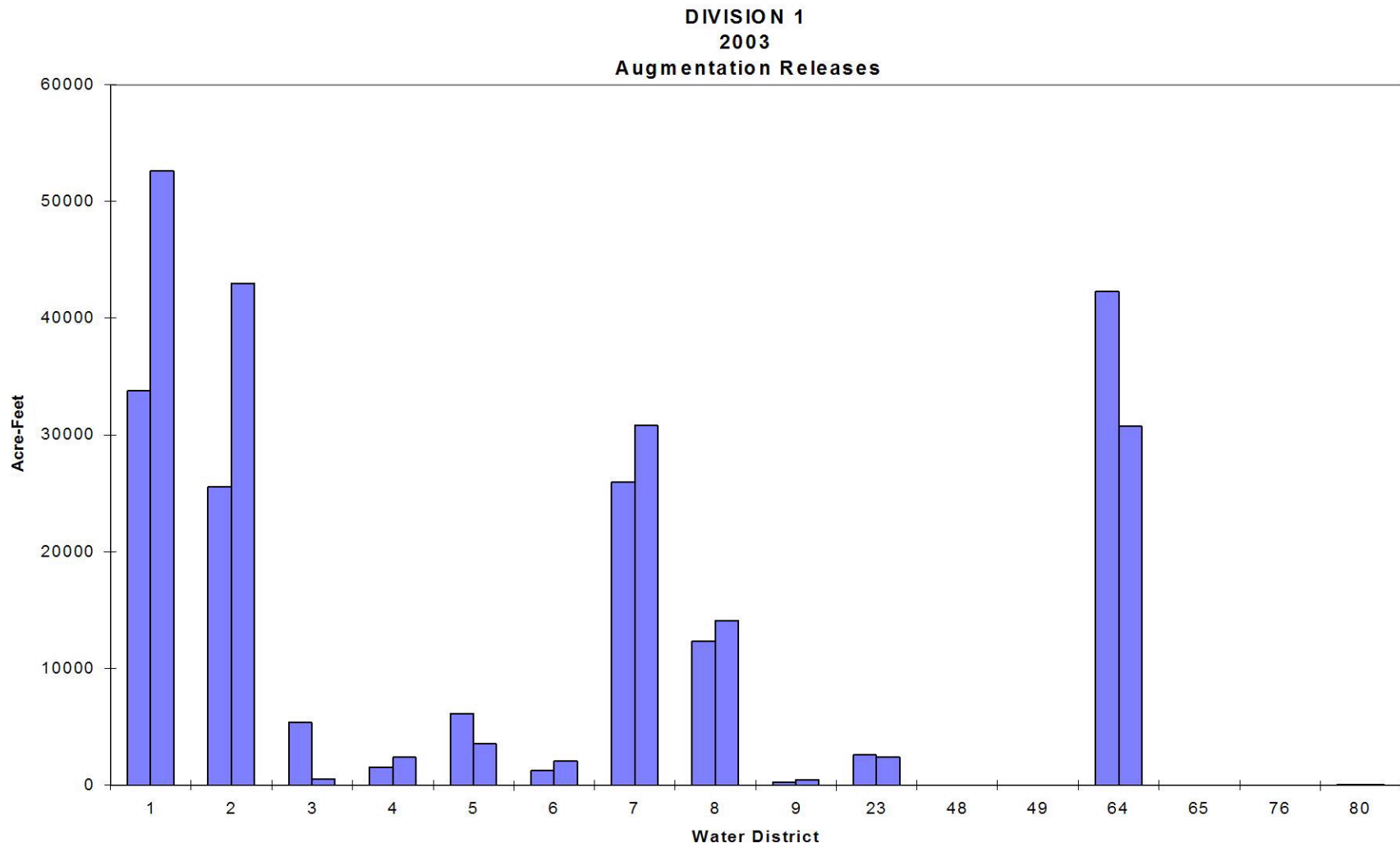
DISTRICT 9 DITCH VISITS COMBINED WITH DISTRICT 80
DISTRICT 48 DITCH VISITS COMBINED WITH DISTRICT 76
DISTRICTS 49 AND 65 DITCH VISITS COMBINED WITH DISTRICT 64

WATER DIVERSION SUMMARIES TO VARIOUS USE 2001-2002

WD	TRANS-MOUNTAIN OUTFLOW	TRANS-BASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
1	0	0	16	0	2,140	0	0	0	0
2	0	0	53,230	775	11,546	0	0	1	7
3	0	0	61,904	0	3,281	0	0	34	0
4	0	0	35,295	39	0	0	0	0	0
5	0	0	21,513	12	0	0	0	19	0
6	0	0	90,212	45	1,001	0	0	0	0
7	0	0	8,445	0	42,283	0	0	0	0
8	0	0	237,241	972	2,819	0	1,087	58	0
9	0	0	8,724	21	39	0	0	0	0
23	6,338	0	442	0	2,970	3,646	0	7	67
48	19,624	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
64	0	0	3,966	20	0	0	1,653	2	37
65	0	4,984	0	0	0	0	2,146	0	0
76	0	0	0	0	0	0	0	0	0
80	0	0	80	3	0	0	0	0	0
TOT	25,962	4,984	521,068	1,887	66,079	3,646	4,886	121	111

WD	AUGMENTATION	EVAPORATION	GEOTHERMAL	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGE	OTHER
1	52,661	0	0	0	0	0	0	21,609	0
2	42,982	0	0	0	0	0	0	2,908	0
3	502	4,368	0	0	0	0	0	62	0
4	2,386	0	0	0	0	942,717	0	0	0
5	3,516	0	0	0	899	0	0	0	0
6	2,018	0	0	0	11,505	6,136	0	0	0
7	30,821	542	0	0	0	0	0	1,542	0
8	14,092	3,562	0	0	0	0	0	0	0
9	467	14	0	0	0	0	0	0	0
23	2,365	0	0	0	0	0	0	112	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
64	30,733	0	0	0	0	0	0	45,515	0
65	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0
80	64	0	0	0	0	0	0	0	0
TOT	182,607	8,486	0	0	12,404	948,853	0	71,748	0

Augmentation Releases Graph



Water Court Activities

Calendar Year 2003

New Applications made to water court this year.....	454
Consultations with Referee this year.....	487
Decrees Issued by Court this year.....	297
Dismissals.....	17

TYPES OF RULINGS

TYPE OF RULING	NUMBER OF CASES	NUMBER OF STRUCTURES
Findings of Diligence on Conditional Rights	32	66
Exchanges Adjudicated	19	56
Conditional Rights Made Absolute	5	13
Surface Water Rights Adjudicated	6	9
Underground Water Rights Adjudicated	127	387
Water Storage Rights Adjudicated	22	49
Plans for Augmentation Adjudicated	41	247
Changes of Water Rights Adjudicated	35	98
Instream Flow Rights Adjudicated	7	12
Abandoned Water Rights	3	3

Water Call Record

Date Call	Date Call						
Initiated	Released	Structure Name	Appropriation	Administration	District	Person	Districts
2002-2003	2002-2003		Date	Number		Placing Call	Affected
11/01/02	11/05/02	North Sterling Bypass to Julesburg Res	06/15/1908	21350.00000	64	Jim Hanrahan	1, 64
11/01/02	11/18/02	Riverside Bypass to Jackson Inlet	04/01/1902	19083.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9
11/05/02	11/18/02	Julesburg Reservoir	02/12/1904	19765.00000	64	Jim Hanrahan	1, 64
11/18/02	12/09/02	Empire Bypass to Julesburg Reservoir	05/18/1905	20226.00000	1	Brent Schantz	64,1,2,3,4,5,6,7,8,9
12/09/02	01/19/03	North Sterling	06/15/1908	21350.00000	64	Jim Hanrahan	1
12/09/02	12/26/02	Empire Bypass to Jackson Inlet	05/18/1905	20226.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9
12/26/02	12/29/02	Riverside Bypass to Jackson Inlet	08/01/1907	21031.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9
12/29/02	03/19/03	Riverside Reservoir	08/01/1907	21031.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9
01/16/03	02/16/03	Prewitt Reservoir	05/25/1910	22059.00000	1	Brent Schantz	1
01/21/03	01/25/03	North Sterling Reservoir	06/15/1908	21350.00000	64	Jim Hanrahan	1
02/10/03	02/16/03	North Sterling Reservoir	06/15/1908	21350.00000	64	Jim Hanrahan	1
02/16/03	02/24/03	Sterling Bypass to Julesburg Reservoir	06/15/1908	21350.00000	64	Jim Hanrahan	1
02/24/03	03/06/03	North Sterling Reservoir	06/15/1908	21350.00000	64	Jim Hanrahan	1
02/24/03	03/06/03	Prewitt Reservoir	05/25/1910	22059.00000	1	Brent Schantz	1
03/06/03	03/19/03	North Sterling Bypass to Julesburg Res	06/15/1908	21350.00000	64	Jim Hanrahan	1
03/19/03	03/28/03	Prewitt Reservoir	05/25/1910	22059.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9
03/20/03	04/11/03	Cheesman Reservoir	06/27/1889	14423.00000	80	Denver	80,23
03/28/03	03/31/03	Riverside Bypass to Prewitt Reservoir	10/25/1910	22212.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
03/31/03	04/24/03	Prewitt Reservoir	06/25/1910	22059.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/09/03	04/11/03	Bijou #2 Bypass to North Sterling Reservoir	01/15/1909	21564.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/11/03	04/19/03	North Sterling Reservoir	06/15/1908	21350.00000	1	Brent Schantz	1,2,3,4,5,6,7,8
04/11/03	04/11/03	Burlington Direct	11/20/1885	13108.00000	1	Brent Schantz	2,8,9,80,23
04/11/03	04/14/03	Cheesman Bypass to Burlington	06/27/1889	14423.00000	80	Denver	80,23
04/14/03	06/16/03	Cheesman Reservoir	06/27/1889	14423.00000	80	Denver	80,23
04/21/03	04/23/03	North Sterling Reservoir	06/15/1908	21350.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/24/03	04/25/03	North Sterling Reservoir	08/01/1915	26302.23953	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/25/03	04/26/03	Jackson Refill Bypass to Prewitt Res	12/31/1929	31423.29219	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/26/03	04/28/03	North Sterling Bypass to Prewitt Res	08/01/1915	26302.23953	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
04/28/03	05/11/03	Prewitt Reservoir	05/25/1910	22059.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80

CALL RECORD 2002-2003 (CONTINUED)

Date Call	Date Call						
Initiated	Released	Structure Name	Appropriation	Administration	District	Person	Districts
2002-2003	2002-2003		Date	Number		Placing Call	Affected
04/29/03	05/10/03	North Sterling Reservoir	06/15/1908	21350.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
05/11/03	05/11/03	North Sterling Reservoir	08/01/1915	26302.23953	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
05/11/03	05/11/03	Jackson Lake Bypass to Prewitt Res	12/31/1929	31423.29219	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
05/11/03	05/14/03	Lower Platte & Beaver Bypass to Prewitt	06/12/1972	44723.00000	1	Jim Hall	1,2,3,4,5,6,7,8,9,80
05/13/03	05/14/03	Jackson Refill	12/31/1929	31423.29219	1	Jim Hall	1,2,3,4,5,6,7,8,9,80
05/14/03	05/14/03	North Sterling Bypass to Prewitt Res	08/01/1915	26302.23953	1	Jim Hall	1,2,3,4,5,6,7,8,9,80
05/14/03	05/28/03	Prewitt Reservoir	05/25/1910	22059.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
05/29/03	05/31/03	Riverside Bypass to Prewitt Reservoir	10/25/1910	22212.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
05/31/03	06/07/03	District 1 Reservoir Refill	12/31/1929	31423.29219	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
06/07/03	06/08/03	Bijou Recharge	06/02/1986	49826.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
06/08/03	06/09/03	Riverside Vancil	06/17/1986	49841.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
06/09/03	06/17/03	Prewitt Refill	12/31/1929	31423.29219	1	Brent Schantz	1,2,3,4,5,6,7,8,9,80
06/16/03	06/18/03	Burlington Direct	11/20/1885	13108.00000	2	Shera Sumerford	2,8,9,23,80
06/17/03	06/19/03	North Sterling Bypass to Farmers Ind Res	08/01/1915	26302.23953	64	Jim Hanrahan	64,1,2,3,4,5,6,7,8,9
06/18/03	06/20/03	Cheesman Reservoir	09/24/1893	15973.00000	8	Denver	80,23
06/19/03	06/20/03	Chatfield Reservoir	12/28/1977	46748.00000	8	Denver	8
06/20/03	06/21/03	Lower Platte & Beaver Recharge	06/12/1972	44723.00000	1	Brent Schantz	1,2,3,4,5,6,7
06/20/03	06/29/03	Cheesman Bypass to Burlington	09/24/1893	15973.00000	2	Bob Stahl	2,8,9,80,23
06/21/03	06/23/03	Bijou #2 Bypass to Farmers Ind Res	12/31/1929	31423.29219	1	Brent Schantz	1,2,3,4,5,6,7
06/23/03	06/25/03	North Sterling Bypass to Farmers Ind Res	08/01/1915	26302.23953	64	Jim Hanrahan	64,1,2,3,4,5,6,7
06/25/03	06/29/03	North Sterling Bypass to Farmers Ind Res	05/27/1914	26302.23522	64	Jim Hanrahan	64,1,2,3,4,5,6,7
06/29/03	06/30/03	Peterson Bypass to South Reservation Ditch	03/01/1895	17846.16496	64	Jim Hanrahan	64,1
06/29/03	06/30/03	Ft. Morgan	10/18/1882	11979.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,23,80
06/30/03	08/02/03	Iliff and Platte Valley Ditch	10/01/1883	12327.00000	64	Jim Hanrahan	64,1,2,3,4,5,6,7,8,9,23,80
07/01/03	07/03/03	Harmony	04/28/1895	16554.00000	64	Jim Hanrahan	64
07/01/03	07/02/03	Ft. Morgan	10/18/1882	11979.00000	1	Brent Schantz	1,2,3,4,5,6,7,8,9,23,80
07/02/03	07/12/03	Ft. Morgan Bypass to Low Line	10/18/1882	11979.00000	64	Jim Hanrahan	1,2,3,4,5,6,7,8,9,23,80

CALL RECORD 2002-2003 (CONTINUED)

Date Call	Date Call						
Initiated	Released	Structure Name	Appropriation	Administration	District	Person	Districts
2002-2003	2002-2003		Date	Number		Placing Call	Affected
07/03/03	09/01/03	Harmony Bypass to South Reservation	04/28/1895	16554.00000	64	Jim Hanrahan	64
07/10/03	07/11/03	Lupton Bottom Ditch	09/15/1873	8659.00000	2	Bob Stahl	2,7,8,9,23,80
07/10/03	07/19/03	Union	11/05/1874	9075.00000	2	Bob Stahl	2,5,6
07/11/03	07/12/03	Farmer's Highline Bypass to Hewes Cook	04/01/1872	8172.00000	2	Bob Stahl	2,7,8,9,80,23
07/12/03	07/13/03	Brighton Bypass to Hewes Cook	11/01/1871	7975.00000	2	Bob Stahl	2,7,8,9,80,23
07/12/03	07/13/03	Lower Platte & Beaver to Farmers	09/04/1882	11935.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/13/03	07/19/03	Evans #2 Bypass to Hewes Cook	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,80,23
07/13/03	07/21/03	Pawnee Bypass to Sterling #1	06/22/1882	11861.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/21/03	07/22/03	Brantner Bypass to Western	07/01/1872	8218.00000	2	Bob Stahl	2,7,8,9,80,23
07/21/03	07/28/03	Ft. Morgan Bypass to Sterling #1	10/18/1882	11979.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/22/03	07/24/03	Lower Platte & Beaver Bypass to Sterling	09/04/1882	11935.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/22/03	07/26/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,80,23
07/24/03	07/28/03	Farmers Pawnee Bypass to Sterling #1	06/22/1882	11861.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/26/03	07/28/03	Hewes & Cook aka Western	08/10/1871	7892.00000	2	Bob Stahl	2,7,8,9,80,23
07/28/03	07/31/03	Lower Platte & Beaver Bypass to Sterling	09/04/1882	11935.00000	64	Jim Hanrahan	64,12,3,4,5,6
07/28/03	07/30/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,80,23
07/31/03	08/04/03	Ft. Morgan Bypass to Sterling #1	10/18/1882	11979.00000	64	Jim Hanrahan	64,1,2,3,4,5,6
07/31/03	08/01/03	Fulton Bypass to Western	07/08/1876	9686.00000	2	Bob Stahl	2,7,8,9,80,23
08/01/03	08/03/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,80,23
08/03/03	08/05/03	Western	08/10/1871	7892.00000	2	Bob Stahl	2,7,8,9,80,23
08/04/03	08/22/03	Lower Platte/Beavers Bypass to Sterling	09/04/1882	11935.00000	2	Bob Stahl	64,1,2,3,4,5,6
08/05/03	08/07/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,80,23
08/07/03	08/08/03	Western	08/10/1871	7892.00000	2	Bob Stahl	2,7,8,9,80,23
08/08/03	08/19/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Shera Sumerford	2,7,8,9,23,80
08/19/03	08/20/03	Brantner Bypass to Western	07/01/1872	8218.00000	2	Bob Stahl	2,7,8,9,23,80
08/20/03	08/21/03	Evans #2 Bypass to Western	10/05/1871	7948.00000	2	Bob Stahl	2,7,8,9,23,80
08/21/03	08/29/03	Western	08/10/1871	7892.00000	2	Bob Stahl	2,7,8,9,80,23
08/22/03	08/23/03	Ft. Morgan Bypass to Sterling #1	10/18/1882	11979.00000	1	Brent Schantz	64,1,2,3,4,5,6
08/23/03	08/25/03	South Platte Bypass to Sterling #1	04/21/1883	12164.00000	1	Brent Schantz	64,1,2,3,4,5,6

Staffing

Dam Safety Engineers	3
Water Resource Engineers	8
Engineering/Physical Science Techs (Includes 3 Hydrographers)	4
Program/Administrative Assistants	2
Full-Time Water Commissioners	15
Permanent Part-Time Water Commissioners	<u>6</u>
TOTAL STAFF	38

Statistics

Number of Well Permits	4,657
Number of Plans for Augmentation	680
Number of Dams	743
Number of Active Substitute Supply Plans	102
Number of Contacts to give Public Assistance	56,684+

Organizational Flow Chart

Division 1

