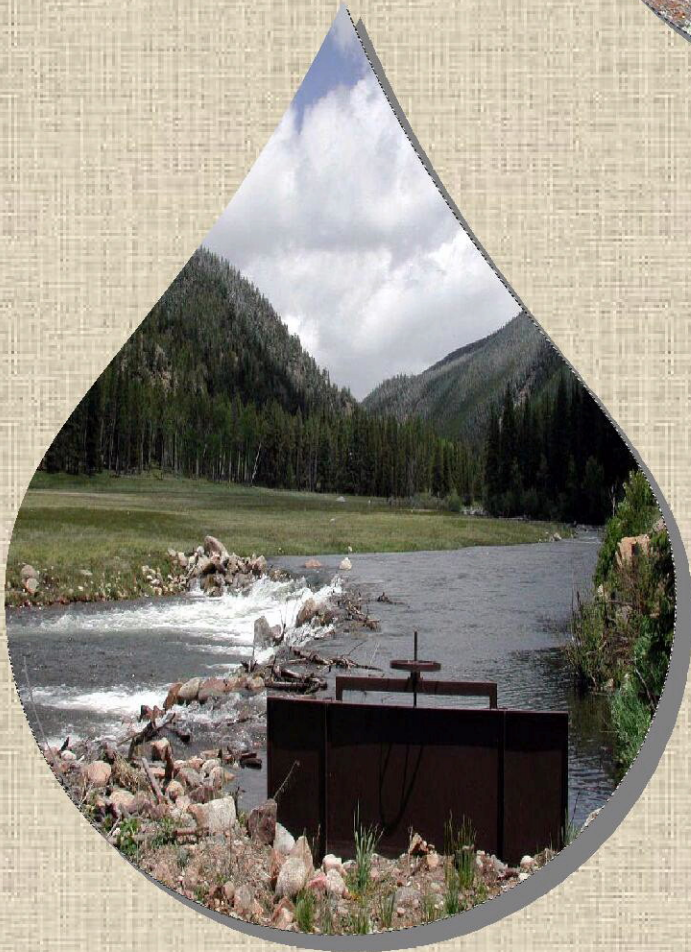
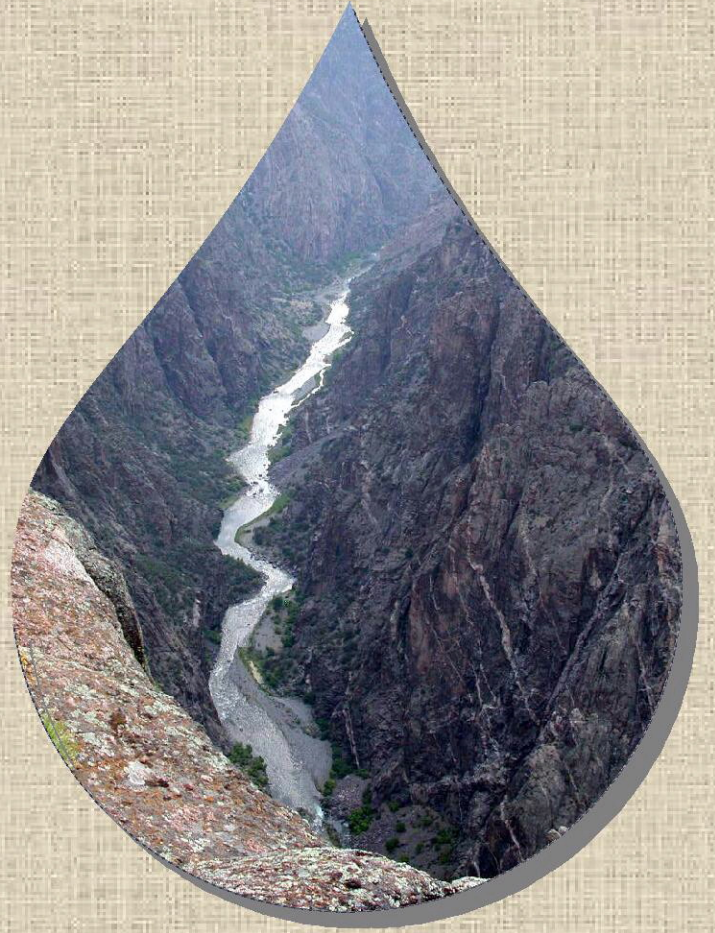


COLORADO
DIVISION OF
WATER
RESOURCES



ANNUAL
REPORT

DIVISION 4
2001

**ANNUAL REPORT
DIVISION 4 - 2001**

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ACCOMPLISHMENTS

Water Administration

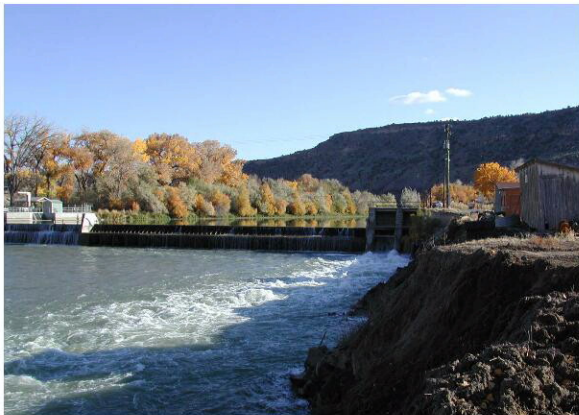
The year 2001 was the second year in a row for low spring runoff and very dry conditions. However, a lesson learned; one can never underestimate the value of a timely rain and the assistance it gives water users and the Water Commissioners who administer their water rights. This was a year when rains came just at the right time, enhancing the river flows and averting many river calls.

In the upper Gunnison Basin, the inflow to Blue Mesa Reservoir was 72% of normal for the second straight year. It is unusual that the inflow would be exactly the same, percentage-wise, in two successive years. Both Taylor Park Reservoir and Blue Mesa Reservoir did not fill this year. Maximum reservoir elevations at Taylor Park and Blue Mesa were 8 ½ feet and 17 ½ feet below the spillway, respectfully. Recreational uses are impacted when these reservoirs do not fill, both from uses at the reservoir and from the lower flows below the reservoirs for fishing and boating.



Blue Mesa Reservoir

The lower reservoir levels and release rates at Blue Mesa also reduced the ability of Western Area Power Authority (WAPA) to produce hydropower at the three plants in the Curecanti Unit. It was also feared that the conditions of an extremely dry year there would cause river calls on both Tomichi Creek and East River, but the rains kept the flows sufficiently high.



Redlands Canal Diversion

In the lower Gunnison River area, there was no threat of a river call from the Redlands Canal. The fish ladder at the diversion continued to operate without storage water released for their purposes. Several meetings were conducted with officials from the Redlands Water and Power Company to discuss options and how the call would be administered. The ability of the Redlands Canal owners to place a river call is also restricted by agreements made when they obtained their current FERC permit.

Perhaps the most substantial impact to the basin was on the south side of the Grand Mesa (District 40), an over-appropriated and tightly administered area. In a good runoff year, there may be a 2 to 3 week period when there is enough water to satisfy all junior water rights. This year, many junior water rights did not get to divert at all, and the calls remained on from the middle of March through October. Steve Tuck, one of our Water Commissioners and a veteran of 30 years in that system, mentioned it was the busiest spring he has ever had. The severe shortage of water and the drastic changes in flow amounts due to changing spring weather made it hard to administer water rights. People were watching the systems very closely, being very anxious to irrigate and knowing they may not get any water at all. These irrigators knew they would typically be shut off in the summer, but they are used to getting some water during the season. Tensions were high and water users became irritable. Because natural flow water was not available, those who owned shares in reservoir companies started running their reservoir water earlier than normal.



Kennicott Slough on Grand Mesa

District 40 depends heavily on reservoir water to sustain the mid- and late-summer irrigation. Since the carry-over storage and snow pack was below normal, the reservoir systems were only able to store about 90% of their capacity. Some larger reservoirs, such as Island Lake, Eggleston, and Deep Ward did not fill. With the increased demand for stored water, reservoirs were emptied earlier than normal. Some systems had enough to satisfy their needs, some did not. In areas where there are a lot of orchards, the late irrigation is important since fruit trees need to be soaked thoroughly before the winter season. At the end of the irrigation season, there was only 17% of total storage to carry over into the 2002 season. This compared to an average of 30% and in good years as much as 50%. Although the rains helped this system, it was not nearly enough for the demands.

On the Uncompahgre River in Districts 41 and 68, the Uncompahgre River Water Users Association (UVWUA) placed a call on July 9. It takes this office some time to administer this call, first making sure Ridgway Reservoir is bypassing the inflow and shutting off all undecreed diversions and turning others down to their decreed amounts. As things sometimes go, it rained the next three days and Ridgway Reservoir gained over 800 af of out-of-priority storage. The call was soon removed and no curtailment of water rights was required. It was jokingly said that the UVWUA sure knows how to make it rain; just put the call on the river.

On the San Miguel River, timely rains kept the flows high enough to satisfy the numerous senior water rights near Nucla and Naturita throughout most of the irrigation season. Normally, a river call from the Highline Canal is made in August, but it wasn't until September 7 that the flows dropped low enough to cause a shortage. Most irrigation rights that would have been administratively curtailed were already off. Numerous augmentation plan ponds were released, but the call only lasted until October 8. In July

and August, severe thundershowers washed out portions of the Highline Canal. The system was promptly repaired to resume use.

Personnel

This was a big year of change for personnel in Division 4, with the retirement of three key employees. For years, this office has lovingly referred to Lyman Campbell, Crandall Howard and Jean Pierce as the “Big Three”. They are nearly the same age, and chose to all retire in the same year. Lyman Campbell served as the Water Commissioner in District 60 for 28 years. His intimate knowledge of the entire basin was extremely valuable when researching history of various structures, especially the historical mining and irrigation in the Telluride area. Through succession planning, deputy Water Commissioner Aaron Todd was able to train under Lyman for three years, and on May 1, 2001 Aaron was appointed as the replacement for Lyman’s position.

Crandall Howard retired on March 31, 2001, being the Water Commissioner in Districts 41 and part of 62. Crandall had 23 years of service with the Division of Water Resources. He actually started in District 28, where he worked for several years before moving to Olathe. Crandall had such a fun-loving, positive personality and was deeply respected by water users. He also had an incredible memory, and knew nearly every structure and its owner. That type of knowledge is valuable when evaluating different administrative situations and will be very hard to replace. However, there was a cross-training opportunity to train Lynne Bixler, the Water Commissioner in District 42, passing on as much knowledge as possible to her. Lynne applied for and was hired to replace Crandall in August 2001.



Some maintain that the key position in this Division is the Program Assistant, since all office contacts and correspondence come through her. The Division Engineer and Assistant Division Engineer agree, and usually refer to her as “boss”. Jean Pierce had occupied that position for 23 years, and retired on September 30, 2001. Her friendly, professional and extremely efficient manner served the employees in Division 4, and she has been sorely missed. In her tenure, she worked for 5 different Division Engineers. At her retirement party, some of them were able to attend, sharing memories and humorous stories from the past. Pictured are past Division Engineers Tom Kelly and Ken Knox, and present DE Wayne Schieldt. A large attendance at the party showed the staff’s deep appreciation and love for her.



After two miserable months without the Program Assistant, a joyous Rona Troutman was hired on December 3, restoring efficiency and harmony to the office. Jean, caring deeply about how ‘her job’ was going to function in the future, was hired on a temporary basis to train Rona. After two months of training, Rona is performing wonderfully, using her

pleasant and outgoing personality to brighten the office and keep things running smoothly.

On May 1, to satisfy critical administrative workload demands, two temporary employees were hired. Scott King was hired to replace Lynne Bixler in District 42. Scott had previously worked for Uncompahgre Valley Water Users Association as a ditch rider, and the skills learned there fit perfectly for the tight administration of Kannah Creek. On October 1, after the usual personnel process, Scott was hired as a full-time permanent employee.

Also as of May 1, Cary Denison was hired to replace Aaron Todd as the deputy in District 60. Cary's dad, Merritt, has worked for many years as the Water Commissioner in District 40. As a boy and young man, Cary spent a great deal of time with his dad on the creeks administering water, so it was not new to him. He also worked for the Fire Mountain Canal Company, gaining valuable experience in delivery of irrigation water. Cary was hired to the permanent part-time position on August 1, 2001.

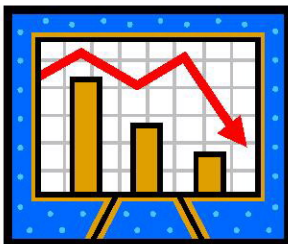
After a year of extensive turnover, it is hoped the personnel situation in Division 4 will not change for several years.

Division 4 again hired a YNR student for the summer, Tiffany Stewart. She provided valuable assistance for Well Commissioner LuAnn Beasley during the busy summer season. Tiffany also helped in the office, doing various tasks as needed. This continues to be a valuable program, both to show the student what is involved in working for the Department of Natural Resources and providing much needed help for this Division.

The 2001 Water Commissioner of the Year was Aaron Todd, the lead Commissioner in District 60. It is difficult to take over a position when the previous person is as highly esteemed as Lyman Campbell, but Aaron has done it in an honorable and exemplary fashion. The upper San Miguel basin has become increasingly difficult, with complicated augmentation plans, neighbor fights, and an increasing amount of new water court filings associated with the tremendous growth. Aaron has accepted that challenge, working very hard to provide complete field inspections so that complicated decrees can be administered effectively. He has also gained the respect of water users in the entire basin.

Budget

The 2000/2001 fiscal year was an extremely difficult one for this Division. With the 30% increase in lease rates per mile and the dry conditions in Fall 2000 and Spring 2001 necessitating more travel miles, the budgeted amount for operating was not sufficient. This was compounded by the decrease in operating funds in the last two years. It has come to the point that we cannot continue to provide the high level of public service in administration of water rights and thorough review of water right applications that we have in the past. It was specifically requested of the staff



during the Division 4 Spring Meeting that they be very judicious with their travel miles for the remainder of the FY. Despite the reduction of miles, the Division 4 operating budget was still overspent by about 3%.

One bright spot was the ability of this office to secure a Memorandum of Understanding with CWCB to measure a gage on Cochetopa Creek. This is a valuable resource for fishing that has a potential to be dewatered by upstream diversions in a dry year, such as 2000. The Colorado Division of Wildlife and Trout Unlimited are working towards an agreement with the irrigators that will leave water in the stream for the fish. Even though the gage only consists of a staff mounted to a bridge, our measurements and provision of a rating table will help monitor the flows for the parties involved.

Hydrography

Hydrographic records compiled in Division 4 were submitted to the Chief Hydrographer in Denver for publication in Streamflow Data for Colorado 2001 Water Year. Six records were published, three of which were used in the 2001 annual diversion records. These were the AB Lateral and South Canal in Water District 41 and the Redlands Power Canal in Water District 42.

Jerry Thrush and Steve Tuck, our Hydrographers in Division 4, made numerous administrative measurements as a result of the dry summer of 2001. These measurements were critical in allowing water commissioners to accurately administer the priority system during a particularly difficult irrigation season. Some of the drainages where these measurements were especially important were Razor Creek in District 28, Surface, Kiser, Ward, Youngs and Tongue Creeks in District 40, the Uncompahgre River in District 41, Whitewater and Coal Creeks in District 42, and Washington Gulch in District 59.



AB Lateral

Construction activity this year included placing of a new shelter and model 8004 DCP at the Fairview Inlet. Heavy steel was utilized to minimize bullet damage in this vandalism-prone location. A large boulder was removed from under the cableway at the Gunnison River below the East Portal. Being one of the most important gages in Division 4, it was imperative that the boulder be removed in order to obtain the most accurate measurements possible. A rain gage and air temperature sensor were installed at the Redlands Canal gage, and an air temperature sensor was installed at the Muddy Creek above Paonia Reservoir gage.

Dam Safety

The Dam Safety Engineer, Jim Norfleet, completed 79 annual safety inspections in 2001. This year, only three reservoir restrictions were imposed due to dam safety concerns. On the other hand, three restrictions were rescinded, restoring full storage to the reservoirs.

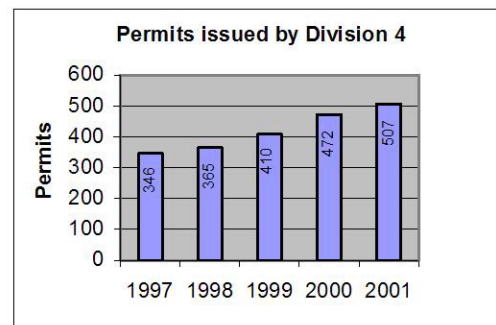
The Water Commissioners also inspected 46 Class II, III and IV dams. They continue to provide the first line of defense to spot problems on dams and report them to the Dam Safety Engineer.

Of importance was the significant number of design reviews that Jim completed this year. The Denver office has historically aided in the design review, but this year, Jim completed all eleven that were submitted in Division 4. This required a substantial time commitment, since it often involves numerous discussions with the engineers, return letters, further review of revised plans (often several times), and preparing the final letter of acceptance with appropriate conditions for construction. Jim is exceptional at this, utilizing his soils background and extensive experience to provide a very thorough review. They were also done in a timely fashion, so as not to cause undue delays in the process.

There were many construction projects in 2001, six of which were completed. Many of these are on the Grand Mesa, where structures built in the 40's and 50's are showing signs of aging and needing repair. Construction inspections also add to the workload, as most take several follow-up visits. Jim also conducted Dam Safety training for Water Commissioners at the spring meeting, making it interesting by utilizing a "Who Wants to be a Millionaire" format.

Groundwater

The Well Permitting Program in Division 4 has continued to benefit from decentralization of the permitting process. Issuing permits at a local level has allowed for timelier permit processing, typically within two days for exempt applications. Another benefit of decentralization is the local knowledge available in dealing with the local basins and groundwater issues. In 2001 this office issued 86% of the 589 permits applied for in Division 4.



LuAnn Beasley, the Division 4 well technician, has been instrumental in the success of this program. She does an exceptional job of processing, approving, and issuing well permits for exempt domestic, livestock, and household-use-only permits, late registrations and replacement permits. Non-exempt household and domestic well permits contained under an approved plan of augmentation are also issued from this office. Land development in Division 4 continues its rapid growth, as shown by the number of well permits issued by this office.

LuAnn spearheaded our agency's involvement in the new technology of Closed-Loop Geothermal systems, also known as GeoExchange systems. GeoExchange systems have recently become popular because they use the Earth's energy storage capability to heat and cool buildings, and to provide hot water. Every GeoExchange system has three major subsystems or parts: a geothermal heat pump to move heat between the building

and the fluid in the earth connection, an earth connection for transferring heat between its fluid and the earth, and a distribution subsystem for delivering heating or cooling to the building. The earth connection component consists of a loop of pipe filled with a fluid used for the thermal transfer process. This loop is placed in an array of drilled holes that in most cases intercept groundwater. A typical installation involves a portable rig, capable of accessing backyards of existing homes. The rig drills a circular pattern of angled holes. It is capable of drilling a dozen or more of these holes within a matter of hours.

The Delta-Montrose Electric Association, who was actively promoting the construction of these systems, approached our office about getting permits for these wells. DMEA stressed that the existing framework of our Groundwater Rules and Regulations was unworkable when applied to permitting these geothermal wells. Since they were not constructing water wells, they wished to have less stringent regulations to allow non-licensed drillers to construct these systems. It was critical that they be allowed to drill several holes within a small area in a short period of time.

LuAnn Beasley had numerous meetings with the GeoExchange people. She worked hard to become very familiar with these systems, including attending a three-day certification course in system installation. LuAnn worked with the Denver office to establish new classification and permitting standards. Largely through her efforts, a new and more appropriate testing program was developed to assure that these geothermal drillers were qualified to construct these systems without jeopardizing the safety of the groundwater supply. LuAnn was also deeply involved in development of a variance from rule 7.1 of the Geothermal Well Rules for the construction of vertical closed-loop ground source systems. This variance was critical in allowing the expeditious and economical construction of these new environmentally friendly systems.

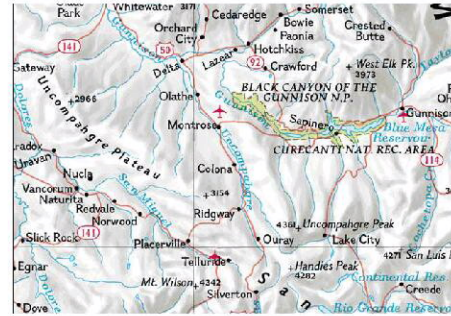
Records and Information

Annual diversion records and reservoir reports for Water Year 2001 were completed in a timely fashion. Assistant Division Engineer Frank Kugel continues to work with lead Water Commissioners to obtain a high level of quality in our published annual records. Our program is based upon a continual effort to; 1) identify appropriate diversion structures necessary for inclusion in the annual records, 2) establish an observation schedule for the individual structures, 3) implement proper diversion record coding that accurately reflects actual diversion amounts and use in accordance with the adjudicated water right, and 4) reclassify and adjust coding for those structures no longer active.

The quality of our water rights tabulation, diversion records, and structure information has been improved through the cooperative efforts of our staff and the Denver IT Branch. Doug Stenzel has been particularly helpful in developing error-checking programs that we have used to identify areas for data improvement. We are eagerly anticipating the imminent release of Hydrobase Data Entry Tools for use in maintaining our databases during the 2002 irrigation season.

Special Projects

Division 4 continues to utilize the latest technology to improve the efficiency and accuracy of our work. Our key tools in this area are the TOPO! software and Garmin GPS receivers. Improvements to the existing TOPO! software package were made largely as a result of Carl Hurst's involvement in a beta testing program. Carl is our Water Commissioner on the Lake Fork of the Gunnison. He has been a pioneer in our agency in the field use of GPS receivers and low-cost mapping software. Carl convinced the people at National Geographic, the makers of TOPO!, to include Compass Tool improvements in their latest release. As a result, we can now measure distances in feet, instead of miles, and determine bearings using the quadrant method. This has helped tremendously in the plotting of legal descriptions using distance-and-bearing measurements. It also aids in the plotting of distances from section lines. Division 4 Water Commissioners have embraced these new tools, using them to submit more detailed and accurate field inspections used in Water Court consultations.



One of the more time-intensive projects was the refinement of the 1993 Irrigated Acreage data. Through a project funded by the CWCB, Spatial Sciences of Fort Collins provided maps showing irrigated acreage for the Western Slope Divisions. The task assigned our Water Commissioners was to field verify the year 2000 crop type and source of irrigation for at least 15 percent of the irrigated parcels.

Court Hearings and Consultations for Water Right Applications

There were 281 Water Right Applications were filed in Division 4 this year, a substantial increase from the last few years. It continues to require a large percentage of the Division Engineer and Assistant Division Engineer's time to prepare consultations and answer questions from applicants or their attorneys. Only one Statement of Opposition was filed by our office this year, that on case 01CW05, the quantification by the United States Park Service for flows in Black Canyon National Park. That case will be discussed later in this report. There is a substantial savings of legal expenses when the Attorney Generals office is not used in many cases; however, it shifts more responsibility and time to this office to work out issues in the Water Right Applications. This office works hard, in cooperation with Water Referee Aaron Clay, in making sure decrees are clear, concise, and easily administered. The Consultations to the Court are key in that effort. Water Commissioner Eric Weig assisted the Division Engineer in preparing draft consultations, his help being much appreciated.

This year, the Division Engineer physically attended 35 status conferences and seven on-site hearings with the Referee, 25 hearings with the Judge, and 2 one-day trials. This is a substantial time commitment, but it is important in maintaining a good working relationship with Referee Aaron Clay and Water Judge Steven J. Patrick.

SIGNIFICANT WATER ISSUES

Reporting for the Subordination Contract



Gothic Mountain

Since the Subordination Contract was signed in June 1, 2000, it has been the responsibility of the Colorado River Water Conservation District (CRWCD) and the Upper Gunnison River Water Conservancy District (UGRWCD) to report to the USBR on the annual consumptive uses in the Upper Gunnison Basin. The state loaded all of the 2000 diversion records and weather data into the database, and the final report was completed and sent to the USBR on October 1, 2001. The report listed 7,126 acre feet of depletions of the 40,000 af allowed in the

contract for the upper Gunnison Basin above Blue Mesa Dam. It also listed 1246 af depleted out of the 20,000 af allowed in the basins between Blue Mesa and Crystal Reservoirs. This confirmed suspicions that the Gunnison Basin has not come close to using up their 60,000 af of depletions allowed in the contract.

The report used a consumptive use tool called STATECU, developed by a private contractor in cooperation with this office, CWCB, CRWCD, UGRWCD, and modeler Ray Bennett in our Denver office. Of course, the program is only as good as the input data, and this office has been thoroughly reviewing and correcting the assignment of irrigated acreage to the appropriate diversion structure.

2000 Water Rights Abandonment

Division 4 placed 155 structures on the 2000 Abandonment list. Colorado Revised Statutes has given people until July 1, 2001 to file a protest with this office. A total of 38 protests were received. In the period from July 1 to December 31, the Division Engineer and Assistant Division Engineer evaluated each protest. This resulted in 19 structures being removed from the list. The remaining 136 were placed on the Revised Abandonment List and sent to the Water Court. The list was included in the December resume publication. The upcoming trials may take a considerable amount of time to process, but the statutory assignment to abandon unused water rights will be fulfilled.

Applications for Water Rights Changes by Upper Gunnison River Water Conservancy District

In case 98CW240, the UGRWCD filed for a series of water right changes, changing their old conditional water rights for the Gunnison Project. The filing drew quite a number of Statements of Opposition from various water users in the Gunnison Basin, including one from this office. They also filed case 99CW38, which only requested diligence on the

same water rights. That filing only drew one SOP. Since that case seemed fairly simple, they pursued negotiations to resolve the issues. During the process, and after an intensive review of various options, they decided to dismiss the 98CW240 case. In December 2001, they stipulated to a diligence decree and the Judge signed it. The decree succinctly outlined what must be done during the next diligence period to maintain those conditional water rights. This will give the UGRWCD six more years to figure out how to utilize those rights.

PBO Process

A major concern of Gunnison Basin water users is the impact of the Endangered Species Act. The Upper Colorado River Endangered Fish Recovery Program was established on January 21, 1988. The objectives of this program are to recover four endangered fish species in the Upper Colorado River Basin while water development proceeds in compliance with state law, interstate compacts, Supreme Court decrees allocating water among the states, and the Endangered Species Act. The Recovery Program provides mitigation for impacts of water projects on the endangered fish species.

The U.S. Fish and Wildlife Service has issued biological opinions under the ESA and found more than 600 water projects to be in compliance with the Act as a result of actions taken by the Recovery Program. One of those biological opinions was issued in December 1999 that covered all depletions on the Colorado River above the Gunnison River confluence. This single Programmatic Biological Opinion (PBO) covered more than one million acre-feet of existing depletions, and 120,000 acre-feet of new depletions.

It was an important accomplishment to complete the PBO on the Colorado River. The attention was then turned to the White River in Division 6, with many of the same officials working on that project. After a January meeting in Montrose for Gunnison Basin issues, some of the initial work was completed. Also in January, the United States Park Service (USPS) filed an application to quantify flows in the Black Canyon National Park. At the June PBO meeting, it was mutually agreed upon to postpone the Gunnison PBO process for two reasons. The first reason was that the White River process had taken much longer than expected, and many of the parties were still involved in that effort. Also, the USPS filing had created such an uncertainty in how the basin water rights would be affected that many issues in the PBO process couldn't be addressed until the flow amounts were decided, their relative priority determined, and the case solved. Hopefully, the process won't be delayed for too long, so that momentum gained in the Colorado River PBO process is not lost.

INVOLVEMENT WITH THE COMMUNITY

Experience from the past few years has revealed the extreme importance of having respectful and trusting relationships with the variety of water use organizations and members of the community. Without that, this office would have limited effectiveness. Division 4 appears to be somewhat unique, where the major water user groups work together with the government organizations for the betterment of the basin. It is a pleasure to be a part of that cooperation.

The Division Engineer and Assistant Division Engineer consistently attend meetings of the UGRWCD, SCWCD, Tri-County board of directors, CWCB, UVWUA and their Board of Directors, SWWCD in Durango, USFS, BLM, USBR, Aspinall and Taylor Park Operations. Not only is valuable input offered, there is an opportunity to be informed of all basin issues that can affect this office.

Many Water Commissioners attend local water user meetings in their communities, a practice strongly encouraged by this office. As they are the local water experts in the area, they can provide local knowledge and valuable input.

COMING YEAR – KEY OBJECTIVES

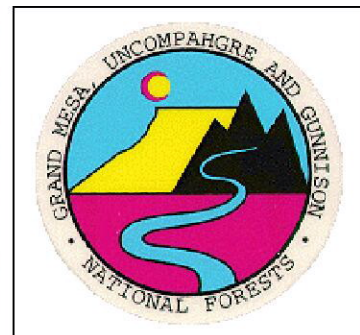
Selenium Task Force

The Division Engineer and Assistant Division Engineer continued their involvement with the Selenium Task Force in 2001. The task force is a proactive group of Federal, State, County and Local Agencies as well as local water users that want to find a solution to the selenium problem before it is mandated by the Federal Government. This year the group continued to study the potential sources of selenium and effects of irrigation in the valley. They also began seriously looking at physical and legal means to reduce selenium at various locations. Methods being studied are planting crops that absorb selenium, planting certain species of trees that do the same, retention ponds with wetland areas to settle and clean selenium from water, applying of polymers to ditches to reduce seepage, and changing of irrigation practices. The group is likely to continue for some time.

U.S. Forest Service Forest Management Plan

In September 1999, the US Forest Service (USFS) started the revision process for the land resource management plan for the Grand Mesa, Uncompahgre, and Gunnison National Forests (GMUG). The process will be similar to the one conducted for the White River National Forest. However, that plan ran into problems when it imposed mandatory bypass flows on all diversion structures. Federal Congressmen and Senators quickly rose up in support of the water users, further complicating the process. Many believed that the USFS did not properly consider the requests of water right owners on the USFS property.

To avoid the perception that the community wasn't sufficiently involved, and to avoid the public outcry that occurred in the White River planning process, the GMUG officials decided to try a different approach. They formed a steering committee to collaboratively address the water issues in a manner that would represent all interests. The Division Engineer was invited to be a member of that committee. The group is now called the GMUG Pathfinder Committee.



There have been monthly meetings in 2001, sometimes lasting two days. To help expedite dealing with some of the technical issues, a technical committee was formed, the Division Engineer being a member. Some of the issues include: evaluation of the minimum stream flow determination methods, such as R2cross, PHABSIM, and others; looking at different methods to estimate basin hydrology, since very few have actual gaging stations to monitor flows; collection of diversion records from this office to determine historic diversions; locating decreed structures on USFS property; formulation of data bases showing affected reaches for the threatened Colorado River Cutthroat Trout; and building inventories of other threatened and endangered species within USFS boundaries. Because there have been so many technical issues, the group has gotten somewhat bogged down, not progressing as quickly as intended.

Apparently, there are a lot of people watching this process very closely to see if this collaborative process will produce the necessary results to direct the Forest Management plan. Among those interested are the Governors office, the Department of Natural Resources Director, other National Forests in Colorado and other states, and various water user organizations. In the last few months of 2001, the Forest Supervisor, Bob Storch, has cautioned the group that they only have 18 months to finish the process, at which time there must be some tangible results. This office has an *intense* desire for this project to be a success. There simply must be provisions in the Forest Management Plan that recognizes the legal ability of water users to divert water on USFS property without imposition of mandatory bypass flows. The USFS has indicated a desire to avoid costly litigation, of which they have very little to show for their efforts. There are a lot of different options, aside from bypass flows, to attempt to keep water in stream reaches, and the Forest Management Plan must outline and utilize those options.

Although this is a very time-consuming process, it is of utmost importance to the water users in this basin and worth the effort and time. This office will see this process through until the end, and it *will be* successful.

SWAT 4 Team

Area agencies dealing with water administration issues formed a group called the Division 4 SWAT Team. This group was modeled after a similar group in Division 5, and Dave Kanzer of the Colorado River District was instrumental in organizing the Team. Members of the team included the Uncompahgre Valley Water Users Association, the Upper Gunnison River Water Conservancy District, the City of Grand Junction, the U.S. Bureau of Reclamation, Redlands Power Authority, and the National Park Service. The group discussed topics such as river operations, reservoir accounting, modeling issues, endangered species, and Federal reserved water rights claims. Since the USFS filing to quantify the flows in the Black Canyon of the Gunnison, the group has become the forum to discuss some of the modeling and technical issues associated with the case.

INFLUENTIAL CASE LAW, STATUTES, AND PROJECTS

Quantification of U.S. Park Service Water Rights in Black Canyon National Monument



In 1982, in *US vs Denver*, the Supreme Court affirmed the National Park Service Federal Reserve Water Rights for the Black Canyon of the Gunnison National Monument. The date of the water right extended back to the creation of the national Monument, March 2, 1933, but the rights were never quantified. After years of waiting, the United States Park Service (USPS) decided to formally submit a proposal to quantify the flows, in what appeared like a political move in the waning hours of the Clinton Administration.

On January 18, 2001, the Department of Justice, representing the USPS filed case 01CW05. The approach they described was to file the case, wait for the period of opposition to expire, then petition the court for a “stay in litigation” to begin the negotiation process. The case drew an impressive 383 Statements of Opposition, setting a record for the most SOP’s ever filed in any Water Court. Strong lobbying was made by local organizations to file an SOP, hoping to send a message to Washington that they didn’t approve of the filing. The message was loud and clear.

Obviously, the key factor in the filing was how much water the USPS was applying for. The filing set out three different regimes of flow: for a low year, a normal year, and a high year, all based on unregulated inflows to Blue Mesa Reservoir on April 1st of each year. All proposals consisted of three basic components; a base flow of at least 300 cfs, a peak flow with maximum ramping rates, and shoulder flows during the summer season. The base flows maintain aquatic habitat, the peak flows move material and vegetation, and the shoulder flows assist the peak flows in controlling the encroachment of vegetation into the channel.

The State of Colorado, represented by Kent Holsinger of the DNR Executive Directors Office, has taken the lead in initiating discussions. Since the filing, there have been numerous meetings to try to understand USPS’s reasoning and science used for the proposals, the opposers trying to stress their concerns as well. A very wide variety of interests have been represented. It became obvious that technical help was needed to model the various interests in the canyon, so impacts of various scenarios could be evaluated. Three different models will be needed: the CDSS model that will evaluate impacts to water rights in the entire basin, the ‘Riverware Model’ used by the USBR to study reservoir operations within the Curecanti Unit, and the hourly model used by WAPA to study impacts to hydropower generation. A technical group has been formed to study the feasibility of integrating data among these models. The group has been meeting every other month to tackle these issues, and this office is a part of that effort. The group has been meeting in conjunction the SWAT4 team, and has been chaired by

Michelle Garrison of CWCB. This group will likely take several years to iron out the issues.

The Attorney General's Office, represented by veteran Wendy Weiss, filed a Statement of Opposition to represent the Colorado Division of Water Resources, CWCB, and the Division of Wildlife. Wendy has been around long enough to be involved in US vs Denver case. Soon after the filing, Wendy noticed the US vs Denver case specified that jurisdiction for future filing associated with the case remain in Division 5, where the original case was filed. Consequently, filing the case in Division 4 was incorrect. **The venue was in the wrong Division!**

Wendy has taken the lead in organizing the major water opposers who opposed the filing. Together, they approached the Department of Justice (DOJ) attorney to request the Supreme Court reassign the venue for the filing, and in August, that request was sent to the Supreme Court of Colorado. In October, the Supreme Court sent back their response, and surprised everyone by saying *"If an administrative assignment made by his court is no longer appropriate, a request for reassignment should be made by the Water Court to the Chief Justice."* The order didn't say which court. After some serious head scratching, the opposers again asked for cooperation from the DOJ to send a letter to both Water Judges, Steven J. Patrick in Division 4 and Judge Ossola in Division 5 to reassign the venue to Division 4. The Judges have been discussing this issue, but to date, the venue issue still has not been resolved.

To put this in perspective, it has been over a year and the correct court still hasn't been decided. From the start, opposers have wanted to complete this entire adjudication process during the current Bush Administration, hoping to get more favorable direction given to the Federal Agencies involved and deference given to historic practices of the Curecanti Unit.. Four years seems like a long time, but judging how long the venue issue has taken, perhaps the opposers should hope for re-election and push hard to get it done in eight years. Nevertheless, the opposers are still trying to stay on track for a 2-3 year resolution.

On a positive note, Wendy Weiss was successful in getting most of the opposers to sign a Joint Defense Agreement, stating information shared between opposers remain privileged and confidential. Also, to be released on March 7, 2001 will be a Stipulation for Stay of Proceedings. It appears most of the opposers will sign the document, but it remains to be seen if the USPS will accept it. This offices guesses it will be negotiated for some time.

Supreme Court Decision – Mount Emmons Mining Company

In case 96CW311, the Mount Emmons Mining Company filed for numerous reservoirs, ponds, and intake structures on the Slate River and Carbon Creek for mining and milling purposes. Judge Steven J. Patrick issued his ruling on September 1, 1999, but it was appealed to the Supreme Court. The judge denied the application based on lack of water availability. The court held that Mt. Emmons needed to have a subordination contract with the USBR to demonstrate that unappropriated water was available to complete its appropriation.

The oral arguments before the Supreme Court were held on September 19, 2001. Linda Bassi, First Assistant to the Attorney General, represented this office. She was given a 10-minute period in the oral arguments to assert that the court erred in not properly assessing river conditions at the time of the Mt. Emmons application. She argued the court should have recognized that Mt. Emmons was an intended beneficiary to the 60,000 af subordination agreement and did not need a contract. The Subordination Contract was not signed at the time of the trial.

In January 2002, the Supreme Court reversed the lower Court's decision, holding that Mt. Emmons did not need a contract to make the requisite showing of water availability to support the issuance of a conditional water right. It then remanded the case to the water court to determine whether a sufficient amount of the 60,000 af of depletions remains unappropriated to satisfy Mt. Emmons' application. The first Subordination Report, filed in October 1, 2001, showed only 7,126 af consumed of the upper basin's 40,000 af allocation. Given that report, and the fact that the Subordination Contract is now signed, it is anticipated that Judge Patrick will decide the matter after a review of written arguments, without the case going to trial.

GREATER EFFICIENCY IN DIVISION 4

It is a constant challenge to utilize time and resources efficiently. The basic task of traveling up and down the creek to turn headgates and read flumes hasn't changed in the last 50 years. Contrary to some beliefs, there is no technological substitute for measuring streams, putting footprints on dams, meeting with people, and building relationships with water users. Nor has new technology decreased the need to travel, especially since the workload has increased with new water users and the continuous addition of structures. The rural areas are being settled by people that know little about water rights and how their systems function. The Water Commissioners take a lot of time educating people about water rights and laws that apply to their use.

However, new technology has helped us to locate structures, process data, and provide information better than ever before. The key is finding the technology that will help us in our daily duties, apply it to our individual circumstances, get the appropriate training, and convince our people that it will help them do their job better. Change is sometimes hard to accept, but it seems to be constant.

This year, the Division 4 staff continued their use of GPS receivers and TOPO software. They are producing maps with accurate structure locations and including them with Water Court field inspections. This makes it easier to analyze impacts to nearby water rights. By providing GPS locations for proposed water right locations, which are often different than those requested in the application, we are getting better locations in decrees. This may seem like a small issue, but it avoids problems when conflicts between decrees arise. Assistant Division Engineer Frank Kugel continues to provide outstanding support and encouragement for utilizing this technology.

There seems to be a constant need for computer training, likely because the programs are changing and Division staff desires to keep current. Our goal is still to provide staff with the tools and provide training so they can perform their job comfortably and efficiently.



Division 4 has initiated a project to use the Palm handheld computers in developing diversion records. We have developed software tools for use with these handhelds to help water commissioners in the field. Using these units, the water commissioner records his or her ditch readings and other pertinent field information. They input the gage height reading for a particular Parshall flume and it calculates and records the flow amount. Kent Holt's submerged flume formulas have also been adapted for use with the Palm, which allows for more accurate flow readings. In addition, databases containing water rights, structure and diversion information can be loaded onto the Palms for use in the field. These uses are in addition to their more commonly used address book, scheduler, and calculator applications. This is one of the ways Division 4 has utilized today's technology to maximize effectiveness in water administration.

A. TRANSMOUNTAIN DIVERSION SUMMARY--INFLOWS

RECIPIENT								SOURCE		
10-YR AVERAGE				CURRENT YR						
WD	ID	NAME	STREAM	AF	DAYS	AF	DAYS	WD	ID	STREAM
40	N/A	Leon Lk Tuml	Surface Cr	1386	* 62	1435	45	72	4520	Leon Cr
68	N/A	Carbon Lake D	Uncompahgre	330	* 80	** 0	0	30	4665	Animas R
68	N/A	Mineral Pt D	Uncompahgre	164	* 53	** 0	0	30	4661	Animas R
68	N/A	Red Mountain	Uncompahgre	63	* 48	** 0	0	30	4662	Animas R

B. TRANSMOUNTAIN DIVERSION SUMMARY--OUTFLOWS

11	N/A	Larkspur D	Arkansas R	116	82	63	76	28	4655	Tomichi Cr
26	N/A	Tarbell D	Saguache Cr	607	75	1055	102	28	4656	Cochetopa Cr
20	N/A	Tabor D	Clear Cr	875	149	495	135	62	774	Cebolla Cr
45	577	Divide C Highline	Divide Cr	1112	* 45	1224	45	40	4657	Cl Fk Muddy Cr
72	N/A	City Pipeline	Colorado R	2150	* 348	1739	304	42	4710	Kannah Cr
72	N/A	Hollenbeck R	Colorado R	4321	* 351	199	365	42	3618	Kannah Cr
72	N/A	Redlands Can	Colorado R	540876	353	534712	348	42	4713	Gunnison
72	N/A	Fruita PI	Colorado R	****	****	****	****	73	4712	East Cr

*9 year average, ** Water available, none taken ****Water taken, no data available

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
28	3590	Hot Sprgs R	Hot Springs Cr	97.5	10/1/01	603.0	6/1/01	131.9
28	3591	McDonough #1	Los Pinos Cr	0	9/1/01	805.2	6/1/01	0
28	3592	McDonough #2	Los Pinos Cr	57.9	11/1/00	607.8	10/1/01	545.3
28	3593	Needle Creek	Needle Cr	412.9	9/1/01	811.9	6/1/01	521.2
28	3594	Upper Dome R	Cochetopa Cr	606.11	7/1/01	880.2	9/1/01	880.2
28	3595	Vouga Res	Razor Cr	565.0	8/1/01	910.0	6/1/01	860.0
40	3412	Ault Res	Muddy Cr	0	11/1/00	58.0	5/17/01	0
40	3414	East Beckwith	Anthracite	0	11/1/00	368.0	6/26/01	0
40	3413	Bruce Park Res	Hubbard Cr	0	11/1/00	556.0	6/4/01	0
40	3399	Overland Res 1	Muddy Cr	223.0	8/12/01	6198.0	6/2/01	223.0
40	3416	Paonia Res	Muddy Cr	1820.0	9/23/01	17461.0	5/18/01	1820.0
40	3417	Spatafora Res	Muddy Cr	0	11/1/00	34.0	5/17/01	0
40	3418	Tomahawk Res	Muddy Cr	0	11/1/00	87.3	5/22/01	65.5
40	3419	Williams Cr R	Muddy Cr	75.0	11/1/00	100.0	5/22/01	75.0
40	3391	Bald Mt Res	Crystal Cr	0	11/1/00	120.0	7/30/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3394	Don Meek 1	Crystal Cr	20.0	11/1/00	20.0	7/31/01	20.0
40	3395	Fruitland Res	Crystal Cr	0	11/1/00	5163.5	5/31/01	0
40	3392	Bottle Stomp R	Iron Cr	0	11/1/00	17.0	7/30/01	0
40	3553	Crawford Res	Iron Cr	1812.0	10/24/01	9928.0	5/29/01	1812.0
40	3397	Meek Res	Iron Cr	0	11/1/00	29.3	6/25/01	0
40	3401	Rockwell 1 R	Iron Cr	30.0	11/1/00	119	5/28/01	100.0
40	3403	Tyler Res	Iron Cr	40.0	11/1/00	169.3	7/30/01	100.0
40	3400	Poison Spr Res	Gunnison R	50.0	11/1/00	100.0	5/28/01	50.0
40	3402	Todd Res	McDonald Cr	7.5	11/1/00	16.0	8/14/01	7.5
40	3420	Bailey Res	Leroux Cr	0	10/31/01	423.0	5/16/01	0
40	3421	Brockman 1 R	Leroux Cr	0	11/1/00	16.0	5/15/01	0
40	3422	Brockman 2 R	Leroux Cr	0	11/1/00	41.0	5/15/01	0
40	3423	Carl Smith R	Leroux Cr	0	10/31/01	920.0	6/4/01	0
40	3424	Dog Fish Res	Leroux Cr	0	11/1/00	243.0	5/30/01	0
40	3425	Dowdy Res	Leroux Cr	0	10/31/01	264.0	5/15/01	0
40	3426	Ella Res	Leroux Cr	0	11/1/00	98.0	5/28/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3427	Elk Wallows R	Leroux Cr	0	11/1/00	218.0	5/28/01	0
40	3428	Ellington Cook	Leroux Cr	0	11/1/00	24.5	5/15/01	0
40	3429	Fairmont Park	Leroux Cr	0	11/1/00	30.0	5/15/01	0
40	3430	Fairmont Res	Leroux Cr	0	11/1/00	78.0	5/16/01	0
40	3431	Fisher Res	Leroux Cr	0	11/1/00	10.0	5/16/01	0
40	3432	Goodenough Res	Leroux Cr	0	11/1/00	405.0	5/28/01	290
40	3433	Gray Res	Leroux Cr	0	11/1/00	424.0	5/16/01	0
40	3435	Hanson 2 Res	Leroux Cr	0	11/1/00	225.0	5/16/01	0
40	3437	Hunt Res	Leroux Cr	10	11/1/00	124.0	5/30/01	10
40	3438	Lucky Find Res	Leroux Cr	0	11/1/00	66.0	5/15/01	0
40	3439	Miller Res	Leroux Cr	0	11/1/00	24.4	5/16/01	0
40	3440	Owens Res	Leroux Cr	0	11/1/00	92.0	5/16/01	0
40	3441	Patterson Res	Leroux Cr	0	11/1/00	78.0	5/2/01	0
40	3442	Patterson 2 R	Leroux Cr	151	11/1/00	151.0	5/31/01	151
40	3443	Pine Cone Res	Leroux Cr	0	11/1/00	37.0	5/31/01	0
40	3444	Reynolds Res	Leroux Cr	0	10/31/01	176.0	5/15/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3446	Skim Milk	Leroux Cr	0	11/1/00	90.0	5/16/01	0
40	3447	Wash Tub Res	Leroux Cr	0	11/1/00	25.0	5/15/01	0
40	3448	Water Bug R	Leroux Cr	0	11/1/00	40.0	5/16/01	0
40	3449	Willow Res	Leroux Cr	0	10/31/01	128.0	5/16/01	0
40	3406	Beaver Res	Minn Cr	0	7/30/01	1267.0	6/6/01	0
40	3407	Lone Cabin R	Minn Cr	0	11/1/00	150.0	5/30/01	0
40	3408	Monument Res	Minn Cr	0	11/1/00	442.0	7/1/01	0
40	3410	Roeber 2 Res	Minn Cr	0	11/1/00	30.0	5/30/01	0
40	3411	West Res	Jay Cr	0	11/1/00	182.0	5/31/01	0
40	3714	Lucas Cline R	North Fork R	0	11/1/00	9.0	5/31/01	0
40	3409	Reynolds Res	Reynolds Cr	10	11/1/00	80.0	5/31/01	10
40	3436	Holy Terror R	Terror Cr	0	11/1/00	146.0	5/16/01	0
40	3445	Rex Res	Terror Cr	0	11/1/00	24.0	5/31/01	0
40	3300	Alexander Lake	Ward Creek	0	10/31/01	157.0	5/1/01	0
40	3302	Barren Lake	Kiser Cr	0	8/1/01	800.0	5/1/01	0
40	3450	Basin #1	Dirty George C	0	11/1/00	126.2	6/1/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3451	Basin #2	Dirty George C	0	11/1/00	19.3	6/1/01	0
40	3452	Battlement 1	Dirty George C	0	10/31/01	87.4	6/1/01	0
40	3453	Battlement 2	Dirty George C	0	11/1/00	0	11/1/00	0
40	3341	Bonita	Surface Cr	40.02	11/1/00	254.75	8/1/01	89.01
40	3304	Bull Finch 1	Kiser Cr	0	11/1/00	74.8	6/11/01	0
40	3305	Bull Finch 2	Kiser Cr	0	11/1/00	38.3	6/11/01	0
40	3303	Boulder Lake 1	Ward Cr	0	11/1/00	0	11/1/00	0
40	3342	Cabin Lake	Surface Cr	0	11/1/00	27.0	6/1/01	0
40	3378	Calumet	Surface Cr	0	11/1/00	16.84	5/15/01	0
40	3366	Carbonate Cmp 3	Surface Cr	0	11/1/00	7.68	5/11/01	0
40	3306	Carbonate Cmp 6	Youngs Cr	0	11/1/00	112.71	7/1/01	0
40	3307	Carbonate Cmp 7	Youngs Cr	0	8/31/01	107.58	6/1/01	0
40	3343	Cedar Mesa	Surface Cr	0	11/1/00	919.0	6/12/01	0
40	3379	Cole 1	Surface Cr	0	11/1/00	20.86	5/30/01	0
40	3380	Cole 2	Surface Cr	0	11/1/00	32.57	5/4/01	0
40	3381	Cole 3 (Chy Ln)	Surface Cr	0	11/1/00	37.92	6/7/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3344	Cole 4	Surface Cr	0	11/1/00	7.92	5/8/01	0
40	3345	Cole 5	Surface Cr	0	11/1/00	116.23	5/3/01	0
40	3308	Daniels Sl	Kiser Cr	0	11/1/00	228.0	6/30/01	0
40	3309	Deep Slough	Ward Cr	0	11/1/00	432.0	5/31/01	10
40	3310	Deep Ward	Ward Cr	340.0	10/31/01	1000.0	5/31/01	340.0
40	3346	Deserted Park	Surface Cr	0	11/1/00	35.37	6/1/01	0
40	3311	Donnelly Sl	Kiser Cr	0	11/1/00	207.0	5/31/01	0
40	3382	Doughty 1	Surface Cr	0	11/1/00	48.23	6/10/01	0
40	3383	Doughty 2	Surface Cr	0	11/1/00	15.2	6/3/01	0
40	3347	Dreyfus	Surface Cr	0	11/1/00	42.5	5/7/01	0
40	3312	Eggleston Lake	Kiser Cr	274.0	9/30/01	1958.82	5/31/01	274.0
40	3348	Elk Park	Surface Cr	0	11/1/00	96.83	5/7/01	96.83
40	3549	Eureka 1	Youngs Cr	0	11/1/00	27.1	5/10/01	0
40	3349	Eureka 2	Youngs Cr	0	11/1/00	53.47	5/24/01	0
40	3350	Fish Lake	Surface Cr	0	11/1/00	76.93	5/15/01	0
40	3313	Forrest	Ward Cr	0	11/1/00	39.5	5/31/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3314	Goodenough	Kiser Cr	0	9/30/01	152.0	5/31/01	0
40	3455	Granby 6	Dirty George C	0	9/19/01	45.98	5/1/01	0
40	3456	Granby 7	Dirty George C	51.3	11/1/00	76.08	5/1/01	68.67
40	3457	Granby 8	Dirty George C	0	11/1/00	0	11/1/01	0
40	3458	Granby 9	Dirty George C	0	7/1/01	71.97	5/1/01	0
40	3454	Granby 5-11	Dirty George C	0	9/14/01	309.0	6/1/01	0
40	3459	Granby 12	Dirty George C	68.45	10/31/01	493.24	6/1/01	68.45
40	3351	Greenwood	Surface Cr	0	11/1/00	51.52	5/30/01	0
40	3384	Hale	Surface Cr	0	11/1/00	30.36	5/31/01	0
40	3315	Hotel Twin L	Ward Creek	38.5	11/1/00	389.4	5/18/01	40.0
40	3316	Howard	Kiser Cr	0	11/1/00	28.68	5/31/01	0
40	3317	Island Lake	Ward Cr	104.44	11/1/00	777.28	6/30/01	317.84
40	3352	Kehmeier	Surface Cr	3.29	11/1/00	298.89	6/1/01	54.35
40	3319	Kiser Slough	Surface Cr	73.26	11/1/00	399.59	5/24/01	76.8
40	3318	Kennicott Sl	Kiser Cr	0	11/1/00	319.0	5/31/01	0
40	3353	Knox	Surface Cr	5.7	11/1/00	219.46	6/4/01	32.68

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	4520	Leon Lake	Leon Cr	0	10/31/01	1226.05	6/26/01	0
40	3385	Leon Park	Surface Cr	0	11/1/00	97.66	5/29/01	0
40	3320	Lilly Pad	Youngs Cr	0	11/1/00	31.11	5/31/01	0
40	3386	Little Giant 1	Surface Cr	0	11/1/00	0	11/1/01	0
40	3387	Little Giant 2	Surface Cr	0	11/1/00	12.13	6/1/01	0
40	3322	Little Grouse	Youngs Cr	0	11/1/00	52.5	6/30/01	0
40	3321	Little Gem	Ward Cr	64.8	11/1/00	168.14	6/30/01	101.88
40	3388	Marcott	Surface Cr	0	11/1/00	418.68	5/29/01	0
40	3323	McKoon	Youngs Cr	0	11/1/00	80.74	5/31/01	10.64
40	3354	Military	Surface Cr	0	11/1/00	236.6	6/5/01	0
40	3355	Park	Surface Cr	1047.0	11/1/00	3388.4	5/31/01	1372.42
40	3324	P C & G 1	Kiser Cr	0	11/1/00	14.69	6/30/01	0
40	3325	Pedro	Youngs Cr	0	7/31/01	93.41	5/31/01	0
40	3326	Pine	Youngs Cr	0	11/1/00	9.66	5/31/01	0
40	3327	Prebble	Youngs Cr	23.47	11/1/00	195.66	5/31/01	60.48
40	3328	Rim Rock Lake	Ward Cr	17.8	10/31/01	107.9	5/2/01	17.8

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3329	Rockland	Ward Cr	0	11/1/00	3.0	5/31/01	0
40	3356	Round Lake	Surface Cr	0	11/1/00	10.88	6/25/01	0
40	3330	Ryan	Youngs Cr	0	11/1/00	40.27	5/31/01	0
40	3357	Sackett	Surface Cr	47.12	9/1/01	108.0	6/1/01	47.12
40	3331	Safety 1 & 2	Cottonwood Cr	0	11/1/00	13.96	5/31/01	0
40	3332	Scotland Peak	Ward Cr	0	11/1/00	27.72	5/31/01	0
40	3333	Sheep Lake	Ward Cr	0	11/1/00	154.0	5/3/01	0
40	3358	Stell	Surface Cr	23.03	8/1/01	59.83	5/30/01	23.03
40	3389	Trickle	Surface Cr	0	11/1/00	41.95	5/4/01	0
40	3359	Trio	Surface Cr	47.88	11/1/00	164.3	6/1/01	58.3
40	3360	Twin Lake 1	Surface Cr	0	11/1/00	36.45	6/21/01	0
40	3361	Twin Lake 2	Surface Cr	0	11/1/00	86.7	6/21/01	0
40	3334	Upper Hotel L	Ward Cr	0	7/31/01	98.11	5/31/01	0
40	3362	Vela	Surface Cr	35.0	11/1/00	436.66	5/7/01	50.22
40	3335	Ward Cr	Ward Cr	0	11/1/00	284.42	5/1/01	0
40	3363	Weir/Johnson 2	Surface Cr	161.16	9/1/01	522.0	7/13/01	161.16

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3364	Weir Park	Surface Cr	0	11/1/00	40.73	5/15/01	0
40	3336	Womack 1	Ward Cr	0	11/1/00	202.40	5/31/01	0
40	3337	Womack 2 & 3	Cottonwood Cr	0	11/1/00	101.50	5/3/01	0
40	3340	Womack 5	Cottonwood Cr	0	11/1/00	7.66	5/31/01	0
40	3338	Young Cr 1 & 2	Youngs Cr	0	7/31/01	371.29	5/31/01	0
40	3339	Youngs Cr 3	Youngs Cr	68.15	11/1/00	200.62	5/31/01	110.78
40	3390	Y & S	Surface Cr	50.78	11/1/00	170.53	7/9/01	52.53
40	3365	Fruitgrowers	Alfallfa Run	0	10/31/01	4312.36	4/30/01	0
40	3368	Beaver Dam	Escalante Cr	0	11/1/00	396.53	6/14/01	0
40	3370	Clark Res	Oak Cr	0	10/9/01	39.13	6/1/01	0
40	3373	Dugger Res	Oak Cr	0	3/1/01	118.30	6/6/01	92.3
40	3374	Morris 2	Oak Cr	10.08	11/1/00	16.33	5/9/01	16.33
40	3375	Pitcarin Res	Doughspoon Cr	29.0	11/1/00	71.62	5/24/01	43.2
40	3376	Porter 1	Oak Cr	28.26	11/1/00	201.76	5/24/01	116.04
40	3377	Porter 4	Oak Cr	30.0	11/1/00	38.0	5/9/01	38.0
40	3301	Arch Slough	Ward Cr	0	8/1/01	47.01	6/1/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3466	Upper Eggleston	Kiser Cr	145.4	7/31/01	292.0	11/1/00	145.4
42	3600	Anderson R 1	Kannah Cr	0	9/3/01	578	5/31/01	0
42	3601	Anderson R 2	Kannah Cr	324	10/31/01	386	5/31/01	324
42	3630	Anderson R 6	Kannah Cr	0	7/2/01	72.7	5/31/01	0
42	3602	Bolen AJ R	Kannah Cr	0	9/3/01	240	5/31/01	0
42	3603	Bolen Res	Kannah Cr	0	9/30/01	199.5	5/31/01	0
42	3604	Carson Lake	Kannah Cr	637	5/31/01	653	7/2/01	653
42	3606	Deep Cr R 2	Kannah Cr	0	10/31/01	302	5/31/01	0
42	3607	Dry Cr R Sup	Kannah Cr	0	7/30/01	281	5/31/01	0
42	3608	Flowing Pk R	Kannah Cr	178	10/31/01	598	5/31/01	178
42	3609	Fruita Res 1	East Cr	23.4	11/1/00	71.50	5/1/01	24.10
42	3610	Fruita Res 2	East Cr	25.7	11/1/00	173.00	5/1/01	25.20
42	3614	Grand Mesa R 1	Kannah Cr	0	9/30/01	323	5/31/01	0
42	3615	Grand Mesa R 6	Kannah Cr	0	7/30/01	171	5/31/01	0

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
42	3616	Grand Mesa R 8	Kannah Cr	0	10/31/01	378	5/31/01	0
42	3617	Grand Mesa R 9	Kannah Cr	0	9/30/01	153	5/31/01	0
42	3618	Hallenbeck R 1	Kannah Cr	404	9/30/01	652	5/2/01	416
42	3619	Hallenbeck R 2	Kannah Cr	104	10/31/01	315.5	5/31/01	104
42	3620	Juniata Res	Kannah Cr	4949	11/1/00	6716	5/31/01	4949
42	3623	Scales Res 1	Kannah CR	0	9/3/01	139	7/2/01	0
42	3624	Scales Res 3	Kannah Cr	0	9/3/01	113	7/2/01	0
42	3625	Somerville R 1	Whitewater Cr	0	9/7/01	758.3	5/31/01	0
59	3665	Spring Creek	Taylor River	1200	10/8/01	1656	6/12/01	1200
59	3666	Taylor Park	Taylor River	62,336	3/31/01	89,817	6/14/01	66,666
59	3684	Rainbow Lake	Steuben Cr	0	8/30/01	50	7/13/01	0
59	3663	Meridian Lake	Slate River	238	9/28/01	250	5/31/01	238
60	3507	Gurley R	Beaver Cr	2369	4/16/01	9541	5/25/01	2387

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
60	3509	Lake Hope Res.	Lake Fork	1500	5/8/01	2315	12/20/00	2315
60	3510	Lilylands	Naturita Cr	23.9	5/18/01	458	5/18/01	23.9
60	3511	Lone Cone R	Bennett Cr	180	7/3/01	1720	5/8/01	585
60	3512	Miramonte	W Naturita Cr	5680	8/10/01	6851	6/1/01	6851
60	3519	Paxton Res.	Horsefly Cr	600	5/30/01	850	6/4/01	850
60	3527	Trout Lake Res	Lake Fork	1093	4/15/01	3314	8/10/01	2086
61	3541	Buckeye R	W Paradox Cr	348.7	11/1/00	2447.92	6/1/01	411.0
62	3532	Blue Mesa	Gunnison R	453494	4/27/01	676719	7/1/01	597168
62	3578	Crystal	Gunnison R	12419	4/15/01	17574	6/11/01	14499
62	3545	Morrow Pt	Gunnison R	105172	3/8/01	115741	5/23/01	107842
62	3548	Silverjack	Big Cimarron	2350	10/17/01	13170	6/10/01	2560
63	3640	Craig Res 2	West Cr	96.7	11/1/00	544.00	5/1/01	32.90
63	3641	Burg Res	West Cr	0.00	11/1/00	101.30	5/1/01	0.00

RESERVOIR STORAGE SUMMARY
IRRIGATION YEAR – 2001
AMOUNT OF STORAGE

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
63	3642	Casement Res	West Cr	16.3	11/1/00	52.30	5/1/01	27.10
63	3643	Casto Res	West Cr	15.00	11/1/00	286.00	5/1/01	0.00
63	3644	Craig Res 1	West Cr	15.00	11/1/00	242.00	5/1/01	0.00
68	3675	Ridgway	Uncompahgre R	67196	10/26/01	84027	7/15/01	67362
73	3612	Duval Res	Chiquito Dolores	0.00	11/1/00	102.00	5/1/01	0.00
73	3621	Fruita Res 3	Chiquito Dolores	23.40	11/1/00	31.00	5/31/01	25.00

WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES			TO IRRIGATION				
	With Record (1)	No Water Avail. (2)	No Water Taken (3)	No Info Avail. (4)	No Record (5)	Estimate # Visits Structure	Total Diversions, AF	Total Diversions to Storage, AF	Total Diversions, AF	Number of Acres Irrigated	Average AF Per Acre
28	160	19	28	27	561	1,782	185,984	1,392	185,984	30,719	6.05
40	760	3	200	337	1,649	13,033	546,191	70,808	446,314	109,005	4.09
41	54	2	19	59	524	2,923	981,348	0	686,049	71,294	9.60
42	63	1	37	231	259	2,789	565,907	6,497	22,283	5,517	4.03
59	166	1	16	162	1,140	2,329	529,870	28,898	374,695	33,317	11.2
60	271	0	123	86	1,058	1,265	126,519	15,434	92,519	30,774	3.00
61	27	3	21	22	45	2,532	17,406	5,964	9,155	3,383	2.70
62	162	0	66	75	1,177	4,330	3,671,969	786,169	120,038	12,984	9.24
63	55	4	36	116	158	1,831	20,443	1,154	17,866	2,590	6.89
68	166	0	38	72	717	2,556	133,065	23,820	97,239	15,808	6.15
73	25	1	22	100	102	319	6,089	110	5,836	3,048	1.91
TOT	1,759	34	606	1,287	7,390	35,689	6,784,791	940,246	2,057,978	318,439	6.46

Definitions: (1) Count of structures with CIU=A and NUC=blank (2) Count of structures with CIU=A and NUC=B
(3) Count of structures with CIU=A and NUC=(A,C,D) (4) Count of structures with CIU=A and NUC=(E,F)
(5) Count of structures with CIU=U

WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANS MOUNTAIN OUTFLOW	TRANS-BASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC/HOUSE HOLD	STOCK
28	1,118	0	0	0	0	0	0	0	0
40	0	0	5,972	0	729	0	7,937	904	7,549
41	0	0	7,098	0	0	0	0	0	7,424
42	535,018	0	0	0	0	0	0	0	0
59	0	271	2,198	0	0	7,621	113,774	0	0
60	0	563	1,748	0	1,785	0	452	249	72
61	0	0	1,212	0	0	0	0	38	723
62	495	345,579	698	0	0	0	8,553	13	0
63	0	0	0	0	0	0	0	12	1,266
68	0	0	2,179	0	0	9	0	0	7,178
73	0	0	0	0	0	0	0	0	0
TOT	536,631	346,413	21,105	0	2,514	7,630	130,716	1,216	24,212

WATER DIVERSION SUMMARIES TO VARIOUS USES, continued

WD	AUGMEN- TATION	EVAPO- RATION	GEO- THERMAL	SNOW MAKING	MIN STREAM FLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
28	0	0	0	0	0	0	0	0	0
40	414	1,915	0	0	0	0	0	0	1,911
41	0	0	0	0	0	0	0	0	280,776
42	0	0	0	0	0	0	0	0	0
59	0	2,462	0	222	0	0	0	0	0
60	0	0	0	0	0	14,259	0	0	0
61	0	0	0	0	0	0	0	312	0
62	1	52,047	0	0	0	2,358,374	0	0	0
63	0	119	0	0	0	26	0	0	0
68	100	2,440	0	0	0	0	0	0	99
73	0	18	0	0	0	0	0	0	120
TOT	515	59,001	0	222	0	2,372,659	0	312	282,906

2001
Water Court Activities

Applications for Decrees		281
Consultations with Referee		244
Decrees Issued by Water Court		227
Dismissals		7
Complaints		0
	<u>Structures</u>	<u>Cases</u>
New Conditional Water Rights		64
Diligence on Conditional Rights		57
Cancellations of Conditional Rights		13
Conditional Rights Made Absolute		1
Underground Water Rights Adjudicated	60	18
Surface Water Rights Adjudicated	304	168
Water Storage Rights Adjudicated	68	46
Plans for Augmentation Adjudicated		9
Change of Water Rights / Location		11
Change of Water Rights / Use Adjudicated		10
In-stream Flow Rights Adjudicated		
Total		397

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
<i>Water District 28</i>					
Razor Creek	Kennedy #1 D	10301.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Kennedy #2 D	10301.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Razor Creek D	10737.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Hirdman #1 D	10743.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Hirdman #2 D	10743.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Hirdman #3 D	10743.00000	4/19/2001	5/16/2001	Greg Peterson
Razor Creek	Snyders 1,2 D's	19509.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Kennedy #1 D	10301.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Kennedy #2 D	10301.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Razor Creek D	10737.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Hirdman #1 D	10743.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Hirdman #2 D	10743.00000	6/11/2001	Season	Greg Peterson
Razor Creek	Hirdman #3 D	10743.00000	6/11/2001	Season	Greg Peterson
<i>Water District 40</i>					
Surface Creek	Cook Ditch	11748.00000	6/17/01	Until Flow Changes	City of Cedaredge - George Fulton
Bell Creek	North Fork Orchard	12174.00000	5/29/01	Season	Stream Flow
Big Gulch	Frank Allen Ditch	31924.23435	6/21/01	10/31/01	Bo Perry
Roatcap Creek	Robert Stucker	21263.16833	5/30/01	Season	Stream Flow
Clear Fork	Ditch #3	21263.17335	7/24/01	Season	Larry McIntyre

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Crystal Creek	Cedar Canon Iron Spr. D.	12350.00000	6/25/2001	10/31/2001	Leroy McLaughlin
Crystal Creek	Cedar Canon Iron Spr. D.	12350.00000	6/25/2001	10/31/2001	Leroy McLaughlin
Deep Creek	Filmore Ditch	29260.25001	7/3/01	Season	Jen Lee
Dirty George	Arthur Stewart Ditch	53489.00000	3/19/2001	Season	Connie Green
Dirty George	Bourn Ditch	29260.19448	4/21/01	Season	Connie Gregg
Dirty George	Cedar Park	13566.00000	4/18/01	Season	Tony Ferganchick
Dirty George	Eagle Ditch	21341.00000	4/18/01	Season	Connie Green
Dirty George	Obert Ditch	21263.16102	4/16/01	Season	Nate Hawkins
Dirty George	Perkins Bowerman	21263.19311	4/16/01	Season	Nate Hawkins
Dirty George	Rauh Ditch	29260.23101	4/18/01	Season	Tim DeHaan
Dirty George	Valley View Ditch	36007.00000	3/19/2001	Season	Connie Green
Dirty George	West Ditch	12407.00000	4/14/01	Season	Rolf Sanburg
Dry Creek	Burt & Thompson	21089.13150	6/1/01	Season	Pipher
Dry Creek	Burt & Thompson	21089.13150	6/18/01	Season	Pipher
Dry Creek	Dry Creek Ditch	21089.12235	5/29/01	Season	Betts
Dry Creek	Gallant	21089.17503	5/26/01	Season	Burgess
Dry Creek	Rimrock / CC#1	21175.00000	6/11/01	Season	Wolf
Dry Creek	Welch	21089.12205	6/18/01	Season	Burgess
Happy Hollow	#26 Daisey	20501.14670	4/25/01	Season	Ken Sodowsky
Happy Hollow	#29 Lingren Pickett	20501.15035	6/28/01	Season	Hillis
Happy Hollow	#33 Cartwright #1	20501.15675	6/28/01	Season	Hillis
Happy Hollow	#36 Right Hand	20501.16315	5/2/01	Season	Marah
Happy Hollow	Gilger Ditch	38837.00000	4/12/01	Season	Glen Hanson

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Happy Hollow	Happy Hollow Ditch	20501.16181	4/10/01	Season	John Alward
Happy Hollow	HJ Neighbors Ditch	21263.15308	4/12/01	Season	Joe Carlson
Happy Hollow	Lucky No. 1 Ditch	20501.13240	4/14/01	Season	Darrell Geyer
Henderson Creek	Homestead Ditch	21427.00000	7/18/01	Season	Joe Sperry
Hubbard Creek	Deer Trail Ditch	14915.00000	7/5/01	Season	Bob Barnes
Kiser Creek	#22 Roseberry	20501.13301	5/5/01	6/9/01	Fogg
Kiser Creek	Edgar Ditch	24894.19492	4/20/01	Season	Rod Cadwell
Kiser Creek	Genes Sheldon Ditch	24894.18032	4/20/01	Season	Harlow Medill
Kiser Creek	Kile Ditch	25383.00000	4/20/01	Season	Harlow Medill
Kiser Creek	Orchard Ditch	24894.18032	4/24/01	Season	Chuck Miller
Kiser Creek	R & K Ditch	24894.20864	4/20/01	Season	Don Damron
Kiser Creek	States Ditch	21263.16923	4/22/01	Season	Bill Boyd
Kiser Creek	Surface Creek Ditch & Res	13356.00000	11/13/01	Winter	Corporation
Leroux Creek	Currant Creek Ditch	12269.00000	6/12/01	7/24/01	Roy Wolf
Leroux Creek	Duke Ditch	48212.40084	5/2/01	6/3/01	Becky Clowers
Leroux Creek	Duke Ditch	19415.15584	6/3/01	10/15/01	Becky Clowers
Leroux Creek	Highline Ditch	11779.00000	7/24/01	10/31/01	Mark Smith
Leroux Creek	Stull Ditch	21089.15502	6/2/01	6/12/01	David Sievers
Minnesota Ck	Minn. Canal	14413.13758	6/15/01	Season	Willie Kisner
North Fork of Gun.	Fire Mt. Canal	21701.00000	7/21/01	9/23/01	Merritt Dennison
Smith Fork	Crawford Clipper Ditch	19413.18353	6/8/2001	10/31/2001	Bill Linman
Smith Fork	Grandview Ditch	21263.16523	6/8/2001	10/31/2001	Mark LeValley
Smith Fork	Grandview Ditch	21263.16523	6/8/2001	10/31/2001	Mark LeValley

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Surface Creek	Alfalfa Ditch	11674.00000	4/3/01	Until Flow Changes	Billy Bootout
Surface Creek	Alfalfa Ditch	11674.00000	6/27/01	Until Flow Changes	Billy Bookout
Surface Creek	Cedar Mesa Ditch	20501.16329	5/16/01	Until Flow Changes	Jerry Figeroua
Surface Creek	Eric Johnson Ditch	13120.00000	5/4/01	Until Flow Changes	Tom Foster
Surface Creek	Eric Johnson Ditch	13120.00000	6/5/01	Until Flow Changes	Tom Foster
Surface Creek	Fogg Ditch	12876.00000	4/22/01	Until Flow Changes	Mel Schroeder
Surface Creek	Fogg Ditch	12876.00000	6/8/01	Until Flow Changes	Mel Schroeder
Surface Creek	Forrest Ditch	12881.00000	4/15/01	Until Flow Changes	Ruth Peterson
Surface Creek	Garney Ditch	20501.15432	4/17/01	Until Flow Changes	Arlo Hansen
Surface Creek	Gurney Ditch	20501.15432	5/17/01	Until Flow Changes	Arlo Hansen
Surface Creek	Horseshoe Ditch	13615.00000	7/21/01	Until Flow Changes	Bud Burgess
Surface Creek	Horseshoe Ditch	13615.00000	5/8/01	Until Flow Changes	William Boston
Surface Creek	Lone Pine Ditch	20501.17790	5/14/01	Until Flow Changes	Dick Jones
Surface Creek	Paradise Ditch	20501.13331	6/3/01	Until Flow Changes	Tidwell
Surface Creek	Rose Ditch	20501.16527	5/2/01	Until Flow Changes	Keith Butler
Surface Creek	Settle Ditch	12503.00000	6/16/01	Until Flow Changes	Bud Hawkins
Surface Creek	Shepard Ditch	12717.00000	4/23/01	Until Flow Changes	Bill Hamilton
Surface Creek	Shepard Ditch	12717.00000	6/15/01	Until Flow Changes	Bill Hamilton
Surface Creek	Trickle Ditch	20501.13574	4/27/01	Until Flow Changes	Mel Smith
Surface Creek	Trickle Ditch	20501.13574	5/3/01	Until Flow Changes	Mel Smith
Surface Creek	Trickle Ditch	20501.13574	5/9/01	Until Flow Changes	Mel Smith
Surface Creek	Trickle Ditch	20501.13574	5/21/01	Until Flow Changes	Mel Smith
Surface Creek	Weir & Johnson Ditch	20501.13323	6/4/01	Until Flow Changes	Jim Vela

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Surface Creek	Zanola Pelezini Ditch	29260.21090	5/12/01	Until Flow Changes	Bill Kissner
Terror Creek	Terror Ditch	14413.12764	6/4/01	Season	Richard Rudin
Tongue Creek	Forked Tongue Ditch	13399.00000	4/16/01	Season	Joe Segrest
Tongue Creek	Park Ditch	12542.00000	4/14/01	Season	Larry Kier
Ward Creek	Bryson Ditch	24894.18748	4/24/01	Season	Wanda Gilmer
Ward Creek	Carbon Ditch	20501.14413	4/24/01	Season	Leonard Mattive
Ward Creek	Gard Ditch	12844.00000	4/29/01	Season	Lynn Sanburg
Ward Creek	Lone Friday Ditch	29260.20544	4/24/01	Season	Larry Dumler
Ward Creek	Parker Ditch	29260.18362	4/6/2001	Season	Norman Wagner
Ward Creek	Rowell Ditch	20501.16192	4/2/2001	Season	Paul Thompson
Ward Creek	Sandston Bluff	13437.00000	4/20/01	Season	Steve Kelleher
Ward Creek	Sessions Ditch	13269.00000	4/29/01	Season	Dick Hamilton
Ward Creek	Stillwagon No. 1 Ditch	29260.21701	4/26/01	Season	Bill Otto
Ward Creek	Sunrise Ditch	20501.18185	4/6/2001	Season	Norman Wagner
Ward Creek	Surface Creek Ditch & Res	13356.00000	11/13/01	Winter	Corporation
Ward Creek	Todd Ditch	20501.15066	4/22/01	Season	Mary Parker
Ward Creek	Wetterich Mesa	48212.48008	4/30/01	Season	Mark Eckhart
Ward/Kiser Creek	Lake Fork #8	13356.00000	4/24/01	Season	Willard Bull
Ward/Kiser Creek	Surface Creek Ditch & Res	13356.00000	4/28/1	5/22/01	SCD&R Corporation
Youngs Creek	#12 Red Bluff	25807.14414	4/26/01	Season	Les Haddon
Youngs Creek	#25 Santa Fe	20501.14413	4/26/01	6/10/01	Harlow Mediu
Youngs Creek	#44 Lookout	20501.17636	5/1/01	6/6/01	Morris/Hood
Youngs Creek	#6 Broncho	13254.00000	5/1/01	6/19/01	Lewis/Waibel

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Youngs Creek	Child's #4	20501.14854	4/28/01	Season	Childs Corporation
Youngs Creek	Child's G11	31924.12751	4/28/01	6/1/01	Childs Corporation
Youngs Creek	Childs #28	25807.14427	4/28/01	6/10/01	Childs Corporation
Youngs Creek	#17 Santa Fe	13877.00000	4/24/01	6/11/01	Harlow Mediu
Youngs Creek	#38 Cherokee	25807.21092	4/25/01	6/5/01	Harlow Mediu
<i>Water District 41</i>					
Horsefly	Albush Ditch	24221.22524	4/6/01	Season	Mardell Sanders
Spring Creek	Shavano Valley D	12744.00000	5/29/01	Season	Wayne Brown
<i>Water District 42</i>					
East Creek	Lurvey Ditch #1	22848.21258	5/1/01	Season	Ron Tipping
Kannah Creek	Bales, William & Morrison #10	13902.00000	6/11/01	6/12/01	John Correlli
Kannah Creek	Bowen Private	13121.00000	4/23/01	4/25/01	Myron Barker
Kannah Creek	Brown & Campion #5	13102.00000	6/18/01	6/26/01	Bill Blair, Jr.
Kannah Creek	Brown & Campion #5	13102.00000	7/17/01	7/18/01	Bill Blair, Jr.
Kannah Creek	Brown & Campion #8	13499.00000	6/12/01	6/13/01	Bill Blair, Jr.
Kannah Creek	Brown & Campion #8	13499.00000	6/14/01	6/15/01	Bill Blair, Jr.
Kannah Creek	KC Extension Ditch #2	12724.00000	7/18/01	Season	Ed Gardiner
Kannah Creek	KC Highline #11	13904.00000	4/17/01	4/23/01	Randy Cucuiat
Kannah Creek	KC Highline #11	13904.00000	4/25/01	5/2/01	Randy Cucuiat
Kannah Creek	KC Highline #11	13904.00000	5/8/01	5/10/01	Danny Vanover

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
Kannah Creek	KC Highline #11	13904.00000	6/4/01	6/11/01	Danny Vanover
Kannah Creek	KC Highline #12	22848.21251	5/10/01	5/11/01	Danny Vanover
Kannah Creek	KC Highline #12	22848.21251	5/30/01	6/4/01	Danny Vanover
Kannah Creek	Northwestern #4	13007.00000	7/188/01	7/19/01	John Whiting
Kannah Creek	Raber Coal Creek	30895.29310	5/2/01	5/8/01	Clint Miller
Kannah Creek	Smith Ditch #3	13007.00000	6/26/01	7/17/01	John Whiting
Kannah Creek	Smith Ditch #7	13234.00000	6/13/01	6/14/01	Bud Bradbury
Kannah Creek	Smith Ditch #7	13234.00000	6/15/01	6/18/01	Bud Bradbury
<i>Water District 59</i>					
No River Calls to Report					
<i>Water District 60</i>					
San Miguel River	Highline Canal	32811.32555	9/7/01	10/8/01	Zene Weimer
Dry Creek	Swamp Feeder of Nelson Cr. Ditch	37416.00000	5/18/01	Season	Roger Davies
Tabequache Cr.	Meadow Ditch	32323.00000	4/25/01	Season	Bob Haffe
Cottonwood Cr.	Carpenter Ditch	13546.00000	6/6/01	Season	Zene Weimer
San Miguel River	B C D Ditch	18592.00000	9/27/01	10/8/01	Zane Siminoe
Naturita Creek	Maverick Draw Ditch	19082.00000	7/9/01	Season	Jacqueline Reams

**APPENDIX E
DIVISION 4
2001 RIVER CALLS**

STREAM AFFECTED	NAME OF STRUCTURE	ADMIN# CALL STRUC	DATE OF CALL	DURATION OF CALL	PERSON CALLING
<i>Water District 61</i>					
Paradox Creek	Galloway Ditch	12549.00000	4/3/01	10/31/01	Greg Irwin
<i>Water District 62</i>					
Trout Creek	Johnson Ditch	20393.12945	7/7/01	Season	Bill Thomas
<i>Water District 63</i>					
West Creek	Bartholomew/Hatch Ditch	30079.18294	6/30/01	Season	Michael J. Olshove
<i>Water District 68</i>					
Dallas Creek	Reed Overman Ditch	10348.00000	7/20/01	7/31/01	Tom Harrington
Horsefly Creek	Albush Ditch	24221.22524	4/24/01	6/5/01	Mardell Sanders
Horsefly Creek	Tierra Colo Ditch	27184.21672	5/23/01	6/8/01	Mina Voss
System-Wide	East Ditch (Dist 41)	29554.09618	7/9/01	7/16/01	Jim Hokit
<i>Water District 73</i>					
Chiquito Dolores Cr	Upper Saxbury Ditch	22848.17806	5/21/01	Season	Mountain Island Ranch
Hill Creek	A.R. Hall Ditch	30895.27130	4/16/01	Season	Shirley Richards

TABLE OF ORGANIZATION – PERSONNEL

IRRIGATION DIVISION 4

Division Engineer – Wayne I. Schieldt
Assistant Division Engineer – Frank Kugel
Program Assistant I – Rona Troutman
Well Commissioner – LuAnn Beasley
Dam Safety Engineer – James Norfleet
Hydrographer – Jerry Thrush

Water District 28

WATER COMMISSIONER
Bonnie Irby

Water District 42

WATER COMMISSIONER
Scott King

Water District 62

WATER COMMISSIONER
Carl Hurst

WATER COMMISSIONER
Lynne Bixler

Water District 40

PR. WATER
COMMISSIONER
Jim Boyd

PR. WATER
COMMISSIONER
Robert Starr

Cliff Davis
Merritt Denison
Gerald Figueroa
James Holiman
Henry LeValley
Kenneth Mahannah
Dale Parker
Gregg Scott
Stephen Tuck
Doug Wist

Water District 59

WATER COMMISSIONER
Richard Rozman

Water District 60

WATER COMMISSIONER
Aaron Todd

WATER COMMISSIONER
Cary Denison

Water District 63

WATER COMMISSIONER
Richard Belden

Water District 68

WATER COMMISSIONER
Eric Weig

Water District 41

WATER COMMISSIONER
Lynne Bixler

Water District 61

WATER COMMISSIONER
Clint Oliver

Water District 73

WATER COMMISSIONER
Richard Belden

OFFICE ADMINISTRATION AND WORKLOAD MEASURES
ACTIVITY SUMMARY

WATER DIVISION NO. 4

2001 CALENDAR YEAR

<u>ACTIVITY</u>	<u>TOTALS</u>
Professional and Technical Staff	3
Clerical Staff	1
Water Commissioners FTE (Full / Part-Time)	23
2001 Decreed Surface Rights	304
Surface Rights Administered (visits)	25,664
Storage Rights Administered (visits)	3,123
2001 Decreed Wells	60
2001 Decreed Plans of Augmentation	9
Consultations with Referee	244
Water Court Appearances	113
Meetings with Water Users	172
Contacts to give public assistance	*18,137
*Includes Water Commissioner Contacts	