

# ANNUAL REPORT

## DIVISION 4



2002



**COLORADO DIVISION OF WATER RESOURCES  
ANNUAL REPORT  
DIVISION 4 - 2002**

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*Note: Cover Photo – Blue Mesa Reservoir*

## ACCOMPLISHMENTS

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### WATER ADMINISTRATION

The drought of 2002 will go down in history as one of the worst in recent times. Prior to this year, the 1977 drought was the worst anyone could remember, the known benchmark of drought conditions. Some of the Division 4 staff members were here in 1977 and recall just how bad it was back then. They have unanimously agreed that 2002 was much worse.



Gaging station records have indicated this as well. For the San Miguel River near Placerville, the average flow in June was the lowest since 1934. On the Gunnison River at Gunnison, while the August flow was close to 1977, the average flow in September was the lowest since 1924.

Key factors contributing to the drought included the lack of moisture in April and the hot dry winds in May. Instead of building and holding snow moisture in March and April, the heat and wind caused the minimal snow pack to melt early. By the time the typical May and June runoff period arrived, there was very little snow left to melt.

The April-through-July inflow to the Aspinall Unit (Blue Mesa, Morrow Point, and Crystal Reservoirs) was 22 percent of normal. This is the lowest inflow on record since Blue Mesa Reservoir was built in the middle 1960's. The inflows during the two previous years (2000 and 2001) each were 72 percent of normal. Blue Mesa Reservoir, the largest reservoir in the state with a volume of 939,000 af, was only able to store about 17,000 af of water.



The reservoir lost a total of 290,000 af during the 2002 irrigation season and ended the year with only 266,000 af in storage. This is the type of year when reservoir storage is critical and is the reason they were built. Had it not been for storage releases from Blue Mesa Reservoir, the Gunnison River in the Black Canyon of the Gunnison National Park would have been nearly dry.

The drought conditions created unusual circumstances that the users in this basin had not experienced. Various meetings were held with government agencies and water users in the Gunnison and Uncompahgre Basin to deal with the matters. The major users in this basin work well together, and cooperatively worked out the major issues to give everyone the best opportunity to use the small amount of water available. Even the U.S. Fish & Wildlife Service (USFWS) accepted a reduction in the flows for endangered fish in the Gunnison River below the Redlands Canal, recognizing the extreme conditions and the need to utilize the water wisely and save some storage for the next year.

Perhaps of most significance was a call from the Gunnison Tunnel on April 18, 2002. This right was decreed in 1913 and diverts water from the Gunnison River just above the Black Canyon of the Gunnison National Park. The water comes into the Uncompahgre Basin, discharges into the South Canal, and dumps into the Uncompahgre River above the Uncompahgre River Water Users Association (UUVWUA) system of canals. This call from the tunnel caused a revision to the Critical Stream List, making the entire Upper Gunnison Basin over-appropriated when considering future well permits.

To better utilize the Aspinall unit and Taylor Park Reservoir, the 1975 Exchange Agreement was initiated. This agreement allows storage and natural flow releases to be made from the Aspinall Unit instead from Taylor Park Reservoir in order to satisfy calls from downstream senior water rights. This is done to maximize the storage in Taylor Park Reservoir for recreational purposes and to stabilize the flows in the Taylor River. In essence, storage accounts are exchanged from Blue Mesa Reservoir up into Taylor Park Reservoir.

In Taylor Park Reservoir, there were storage credits in both First Fill and Second Fill accounts. The Upper Gunnison River Water Conservancy District (UGRWCD) recognized that their users would be curtailed from the UUVWUA call at the Gunnison Tunnel, and approached the U.S. Bureau of Reclamation (USBR) to request a releasing of second fill storage to satisfy the Tunnel call. The USBR agreed, and when the UUVWUA placed the call, a release of second fill was started to cover the natural flow shortage at the Tunnel. Because only a portion of the second fill was made available in April and May, there was partial administration by the Water Commissioners in Districts 28, 59, and 62.

The second fill in Taylor Park Reservoir had accumulated 33,100 af, and releases from that account to keep the call off the river lasted until July 8. Incidentally, the water was released for the uses of recreation and piscatorial, not for direct irrigation in various ditches. For many users in the basin, this allowed them enough water and time to irrigate most of their hay crop.

On July 9, Water Commissioners in the Upper Gunnison Basin started administration of their systems, including the sizable 1941 rights that are so critical to the Upper Gunnison Basin. The Gunnison Tunnel call lasted until September 28, when rains came and increased the river flows. This administration was extremely difficult, as it had only been done for a day or two since Blue Mesa Reservoir was built. The water users were not accustomed to being curtailed, and it created quite a challenge for the Water Commissioners. The staffing in those districts is grossly insufficient for such full time administration.



On the Uncompahgre River, the runoff situation was even worse than the Gunnison. The UVWUA signed a call for their senior rights on the Montrose and Delta (M & D) Canal on April 20. After the call and during the spring runoff period, Ridgway Reservoir was only able to store for 17 days for a total of 1500 af. It usually has no problem filling every year. For most of the spring and summer, rights above the M & D Canal were curtailed down to an 1883 Priority date. Since the time Ridgway Reservoir was built in 1986, the worst call has been down to 1940 (in 2000). Numerous ditches have rights senior to the M & D, but most are small and depend on their junior enlargements to irrigate hay crops. Once again, the users were not accustomed to being shut off, and many were not able to make a hay crop.

On the Lower Gunnison River, the fears of an April river call from the Redlands Canal came true. It required a considerable effort by the Redlands Water and Power Authority to seal the diversion structure to an acceptable level, but on the evening of April 24, the downstream flows were reduced sufficiently for us to honor the call. On the morning of April 25, this office administered a call by the senior 1912 right from the Redlands Canal for 670 cfs. This call affected the entire basin, but because of the calls mentions above,



and local calls in District 40, there was very little water to curtail. On the early morning of the April 26<sup>th</sup>, rainstorms increased the flows and the call was lifted.

Even though the call from the Redlands Canal was satisfied for April and May,

the threat loomed for another call from June to September. There is a 1995 exchange agreement between CWCB, the USBR and USFWS that says USBR will release enough water from the Aspinall Unit to ensure flows of 300 cfs in the Gunnison River below the Redlands Diversion for the endangered fish. The agreement also commits to releasing enough water to keep the Redlands Canal whole with 750 cfs. The agreement is only for the months of July through October, creating a potential problem in April and June. A clause in the agreement states that if the storage in Blue Mesa Reservoir falls below 400,000 af, then there must be 'shared shortages' between the canal and the fish flows. There is no clear definition of what the term "shared shortages" really means.

Through strategic planning and foresight, a solution was offered by the Colorado River Water Conservation District (CRWCD) to enter into a contract with USBR and Redlands Water and Power Authority. The contract compensated the Canal for their lost power revenues in accepting only 600 cfs in the canal. The USFWS also agreed to a reduction in the 300 cfs requested. The CRWCD allocated \$85,000 for this effort. All three agencies are to be commended for their cooperation and insight in the agreement. It kept the call off the entire Gunnison River, allowing many irrigators to continue to divert.

In District 40, the runoff conditions from the Grand Mesa were just as poor as the Uncompahgre River. Reservoir storage is critical in this area, thus the hundreds of reservoirs there. On the two major creeks that come down the south side of the Grand Mesa near Cedaredge, both received a call in April that discontinued all reservoir storage for the remainder of spring and summer. An April 16 call on Ward Creek curtailed 25+ reservoirs from storing, and an April 25 call on Surface Creek curtailed another 30 reservoirs.

Since there was such a shortage of reservoir water, many of the pasture irrigators sold their shares to higher bidders, such as orchard growers that needed to produce a crop and keep the trees alive. Some ditch systems were shut off for a time and used intermittently, consolidating their deliveries at the same time to minimize ditch losses. The season ended with a record low carryover of 3 to 5 % of total volume; the normal being 30%.

The numerous reservoirs on Leroux Creek were able to fill for the most part. One bright spot was Paonia Reservoir, which was able to fill and be utilized by the Fire Mountain Canal.

Surprisingly, the San Miguel River held up fairly well. A call from the Highline Canal was expected early in June, but wasn't placed until June 24. Most significant was the depth of the call this year, going down to an earlier priority than before. The Highline Canal has numerous priorities; 1911, 1916, 1929, 1939, and 1942. Usually the Canal calls with the 1939 priority, the last few years it has gotten down to 1929 priority. With the drought conditions, the 1916 right called from June 24 to October 10.

## PERSONNEL

Thankfully, there was no turnover in Division 4 personnel in 2002. With the hiring freeze and budget cuts, the staff was able to respond to the drought without shortages in personnel.

There are two Water Commissioners of The Year in Division 4 for 2002. The first is Bonnie Irby, the Water Commissioner in District 28. This district was perhaps the hardest hit by the drought of all districts. Only the upper stretch of Tomichi Creek and some side tributaries had previously been administered. In 2002, Bonnie received a call from the senior at the bottom of the creek, and had to administer the whole system for the entire summer. Again, these users were not used to being administered, and it created some very difficult moments with grumpy water users. Additionally, she had to enforce multiple headgate and flume orders so the structures could be regulated. She handled the difficult circumstances with professionalism, tact, and determination and truly has earned this award.



The second recipient is Steve Tuck, the first repeat winner of the award. Steve is a deputy Water Commissioner in District 40, taking care of Ward Creek and its tributaries as well as Hydrographic responsibilities. This year, Steve did triple duty. In the spring, he covered duties for Hydrographer Jerry Thrush while he was on expended sick leave. He also assisted neighboring Water Commissioner Doug Wist while he was dealing with a sick family member. Steve's work ethic is second to none, and he worked extremely long hours to assist with all these extra responsibilities. He deserves the highest of honors for his efforts and for his exemplary integrity and personal character.

## BUDGET

With the drought conditions, staff and Water Commissioners were working very hard and using a lot of mileage. About 75% of the operating budget in Division 4 is mileage for staff members, the rest being fixed costs of phones, copies, office supplies, etc. There was a 6.3 % cut in the Division 4 operating budget for FY2002/2003. Division 4 ended FY 2002 very close to the budgeted amount.



Even though staff did their best to fulfill the statutory responsibilities and serve the public, prioritization was required and some services had to be sacrificed. Among those given up were various requests and answering of questions from water users, and visitation of structures that did not require administration. However, recording of diversions on all structures is still extremely important, both for documenting the use and for historical record in a change case. The staff is to be commended for their efforts to manage drought conditions with reduced mileage allowances.

## HYDROGRAPHY

Hydrographic records compiled in Division 4 were submitted to the Chief Hydrographer in Denver for publication in Streamflow Data for Colorado 2002 Water Year. Six records were published, three of which were used in the 2002 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 2002. These measurements were critical in allowing water commissioners to accurately administer the priority system during a severe drought. The lower San Miguel River in District 60, Cochetopa Creek in District 28, Uncompahgre River in District 41, Kannah Creek in District 42, Cimarron River in District 62, and Kiser, Ward and Youngs Creeks in District 40 were some of the drainages where these measurements were especially important.

New construction this year included assisting the Uncompahgre Valley Water Users Association in the design and placement of a gage at the Selig Canal. Jerry and Steve made several measurements to establish a rating table for the rectangular concrete channel.



The Division 4 Hydrographic staff assisted in a USGS hydrologic study of the lower Gunnison River between Whitewater and the Redlands Power Canal. The purpose of this study is to determine the quantity, timing and possible causes of streamflow gains or losses in this reach. The knowledge gained will be used to aid in efficient reservoir management and river administration and to assist the implementation of endangered species programs. Our role in this study was to provide detailed data and station analysis from our gage on the Gunnison River below the Redlands.



Bridge repairs on Cochetopa Creek made it necessary to install a new staff gage at the crossing below the Smith Ford Ditch. Several measurements were made to re-create a rating table, but all were at low flow conditions due to the drought. Hopes are that the coming year will provide the higher flows needed to complete the rating table.



## DAM SAFETY

The Dam Safety Engineer, Jim Norfleet, completed 64 annual safety inspections in 2002. Most reservoirs levels were much lower than normal or even dry for the inspection time. The one bright note was that more upstream slope observations were made this year than ever before. This year, only two reservoir restrictions were imposed due to dam safety concerns. On the other hand, two restrictions were rescinded, allowing full storage to the reservoirs.



The Water Commissioners also inspected 31 Class II, III and IV dams, and continue to provide the first line of defense to spot problems on the dams and provide input to the Dam Safety Engineer.

Jim again completed seven design reviews this year while assisting on 2 others. This requires a substantial time commitment that normally is done during the non-inspection season. Because of the dry conditions

and the reservoirs being empty, many dam owners were scrambling to have the plans reviewed and work done before the end of the summer. Jim was also able to complete some of the reviews in a timely fashion, even during the inspection season. As a normal part of his winter duties, he performed numerous hydrology studies, some resulting in an upgrade of the dam classification.

One positive aspect of the drought was that, the empty reservoirs provided perfect conditions for reconstruction and repair of dams. The inspection and follow-up requires a lot of time of the Dam Safety Engineer, but the time is productive. Jim provides expert input into the process and inspects the construction activities to ensure things are done correctly. He conducted 27 construction inspections this year, and another 21 follow-up inspections. Twenty-nine projects were completed this year, 2 were partially completed that will be finished next year. Of those completed, all were allowed full storage and will attempt to fill next year.

## GROUNDWATER

The Well Permitting Program in Division 4 has done well under the decentralization of the permitting process. Issuing permits at a local level have allowed for timelier permit processing, typically within two days for exempt applications. Another benefit of decentralization is familiarity with the local basins and groundwater issues.

LuAnn Beasley, the Division 4 well technician, has been instrumental in the success of this program. She has provided valuable input to counties that are developing resolutions

dealing with the changing water conditions. LuAnn 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, and non-exempt permits in non-critical areas, are also issued from this office. Additionally, location amendments are processed locally.

Ground water issues have increased in their complexity as the area continues to grow. We received 655 well permit applications for Division 4 in 2002, an increase of 11 percent over the previous year. The Upper Gunnison drainage continues to provide the most new permit activity by a significant margin. This is in large part due to the lack of large municipal water supplies and the continuing growth of the area.

One particular problem took a great deal of time and effort to resolve. Flows from an uncapped artesian well were saturating the property of downstream homeowners. LuAnn arranged for the well to be plugged and abandoned despite the unwillingness of the well owner to comply with our orders. One of the affected downstream homeowners contacted LuAnn a few months later to thank her and to tell her he can finally walk his property without sinking in mud.



At a public meeting regarding proposed methane gas development in the North Fork Valley, LuAnn demonstrated the well data we have available to various agencies and the general public. This data is useful to help monitor the potential impacts of these gas wells.

## RECORDS AND INFORMATION

Annual diversion records and reservoir reports for Water Year 2002 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. Lynne Bixler provided valuable assistance in manipulating the data and generating reports for printing.

Our program is based upon a continual effort to;

- 1) identify appropriate diversion structures necessary for inclusion in the annual records,
- 2)

HydroBase Data Entry Tools (v1.2.0) - [Daily Water Class Observations]

File Edit View Tools

District: 38 SFUT: 4 | 1 Irrigation Year: 2002  
 Structure Name: AFCH BRIGATINA DITCH E10 Source: Hobbs Stream on  
 Source Stream: TENCHI II CHECK C From: Use: Irrigati Type: 1

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Division Comment:

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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.

Division 4 adopted the new Hydrobase Data Entry Program developed by Doug Stenzel of the DWR IT Branch. Doug worked closely with Frank and Lynne to assure the functionality of the new software and to incorporate suggested changes to the program. The new Hydrobase Editor makes it easier to maintain the quality of our water rights tabulation, diversion records, and structure information.

## **SPECIAL PROJECTS**

Frank Kugel put together water rights and ownership data as part of the Drought Water Survey sponsored by the Colorado Water Conservation Board. Bouvette Consulting was contracted to survey 5,000 water users across the state. Goals of the survey were to determine the level of drought preparedness, identify communities at risk, and seek solutions for improving drought awareness. Frank helped identify appropriate users in the Gunnison and San Miguel basins that could provide valuable input to this process.

## **COURT HEARINGS AND CONSULTATIONS FOR WATER RIGHT APPLICATIONS**

There were exactly 300 Water Right Applications filed in Division 4 this year, a slight increase from last year's 281. It continues to require a large percentage of the Division Engineer and Assistant Division Engineer's time to prepare consultations and answer questions from the applicants or their attorneys. Some of the preparation of the consultations has been delegated to Water Commissioner Eric Weig. Eric has exceptional technical writing skills and has done a tremendous job of preparing a draft consultation for the Division Engineer on those filings that are relatively straightforward.

This office filed no Statements of Opposition this year. There is a substantial savings on the strained Litigation budget when the Attorney General's Office is not used. However, it shifts more responsibility and time to this office to work out issues in the Water Right Application. This office works closely with Water Referee Aaron Clay, making sure decrees are clear, concise, and easily administered. The Consultations are key in that effort.

This year, the Division Engineer physically attended 35 status conferences and 3 on-site hearings with the referee, 16 hearings with the Water Judge, and 3 trials. It is very important to this office that a good working relationship is maintained with the Referee Aaron Clay and Water Judge Steven J. Patrick.

## **SIGNIFICANT WATER ISSUES**

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### **2000 WATER RIGHTS ABANDONMENT**

Division 4 placed 155 structures on the 2000 Abandonment list, of which 38 protests were received. After evaluation of the protests, 19 structures were removed from the list. The remaining 136 were put on the Revised Abandonment list and sent to the court. The court published the list on December 31, 2001. Protests had to be filed with the court by June 30, 2002. Only 8 protests were filed in Division 4. Since the litigation budget was so tight, effort was focused on settling the cases. First Assistant Attorney General Linda Bassi represented Division 4 on the hearings, which were held in October. The hearings were very fruitful and have resulted in 6 cases being settled, the remaining two still in negotiations.

### **PBO PROCESS**

In January of 2001, a Programmatic Biological Opinion (PBO) process was started for the Gunnison Basin. However, in 2002, it became apparent that the process needed to be put on hold until the case was resolved involving the National Park Service filing of water rights in the Black Canyon of the Gunnison National Park. The process will likely resume when that occurs.

### **U.S. FOREST SERVICE MANAGEMENT PLAN**

In September of 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 the water rights owners on the USFS property. The final language on the plan was revised to be vague and nebulous, not really addressing the rights of water users to continue to divert and leaving the discretion of local officials to make the determination.



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.

In 2002, the process has continued with monthly or twice monthly meetings geared at finishing up by fall of 2003. There have been many complex and difficult issues to hash out between group representatives. There have been technical issues and values to identify and discuss, species of concern to consider, mapping of water rights, and evaluation of the water yield in various basins. The group has begun formation of goals and objectives to address value concerns of our society, protect the present resources, allow water users to continue water diversions on USFS lands, address future diversions, and address needs of species of concern. For each goal and objective, the group has suggested various tools to accomplish the objective. The end result will be a matrix of objectives sorted by percent of diversions of the basin's yield and species of concern, tied to various tools that address the multiple needs on the USFS lands.

Apparently, there are still a lot of people watching this process very closely to see if the collaborative process will produce the necessary results to direct the Forest Management Plan. From the State of Colorado's point of view, there simply must be provisions in the Forest Management Plan that recognize 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, for which they have very little to show for their efforts. The group has identified a lot of different options, aside from bypass flows, to keep water in stream reaches and protect the current resources. The final recommendation from the group to the USFS will outline those options.

## **INVOLVEMENT WITH THE COMMUNITY**

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In a drought year, it is even more important to have respectful and trusting relationships with the variety of water use organizations and members of the community. As mentioned before, the major water users and governmental organizations work well together in this basin. However, the stress of the river calls and the water shortages has put a severe strain on those relationships. Players put forth extra effort to work out the differences, and succeeded for the most part.

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

One water interest group that met regularly was the SWAT 4 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 USPS filing has attempted 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. Discussions also dealt with the Redlands Power interference contract and its affect on basin water users.

As time permitted with the busy season, many Water Commissioners attended local water user meetings in their communities. As they are the local water experts in the area, they can provide local knowledge and valuable input.

Division 4 continued its involvement in water education at local schools. On May 7, 2002, Jerry Thrush participated in the RE-1J Water Workshop in Montrose. Jerry demonstrated streamflow-measuring techniques to some 500 4<sup>th</sup> grade students. He showed how the computing rod and AA meter are used to determine flow amounts.

## **INFLUENTIAL CASE LAW, STATUTES, AND PROJECTS**

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### **Quantification of U.S. Park Service Water Rights in Black Canyon National Monument (now National Park)**

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 some felt was 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.

Obviously, the key factor in the filing was how much 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 1<sup>st</sup> 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.



Veteran attorney Wendy Weiss from the Attorney General's Office is representing this office, the CWCB, and the Division of Wildlife. Early in the process, she noticed the venue for this matter was filed in the wrong court. The original filing for the reserved rights had been in Division 5, and case 01CW05 had been filed in Division 4. The Department of Justice (DOJ) sent a letter to Judge Steven J. Patrick in Division 4 and Judge Ossola in Division 5, requesting the venue be officially assigned to Division 4. Judge Ossola felt he had nothing to rule on, since he did not have a request from Judge Patrick before him and did not have the proper jurisdiction. The matter was then referred to the Colorado Supreme Court, who finally ruled that the proper venue should be in Division 4.

Even though the DOJ had proposed a stay, the opposers felt they should respond with conditions necessary to accept the stay. Finally, the opposers couldn't wait any longer and in June, they requested the Judge to set a case management conference. The Judge set a date of October 3, 2002. One week before the conference, the DOJ came forward with four core elements of a U.S. settlement proposal. They were: 1) the reserved right will not impact water users senior to Aspinall. 2) The reserved right will not interfere with development of the 60,000 af subordination. 3) The reserved right will not impact the "yield" of the Aspinall Unit. 4) The U.S. will work with the city of Delta to ensure that the reserved right won't contribute to flooding.

At the conference on October 3, 2002, the DOJ appealed to the Court for a 6-month stay in the litigation schedule. The opposers had suggested a litigation schedule with the trial to start in May of 2004. All of the opposers argued against the 6-month stay motion. The Judge, desiring the process be given every opportunity to settle without a trial, granted the request. He then signed a Case Management Order setting the schedule for discovery, pretrial motions, and pleadings with the final 30-day trial date set for June 28, 2004. The DOJ then set out on a rigorous schedule to contact each opposer individually to see if an agreement could be stipulated.

The State had been in negotiations with the DOJ, but to date nothing has been settled.

### **RICD FILING BY UGRWCD**

On March 29, 2002, the Upper Gunnison River Water Conservancy District (UGRWCD) filed for water right in case 02CW038 for a Recreational In-Stream Diversion (RICD). This was the first RICD filing in Division 4, and this office filed a Statement of Opposition.

The application identified a series of in-channel structures on the Gunnison River, located just below Highway 50 just west of Gunnison. Unlike some other applications that have claimed the highest flows for the entire year, the application suggested a varying schedule from 250 cfs to 1500 cfs. The period was from May 1 to September 30.

As per state statute and CWCB rules, a hearing was conducted on September 10, 2002. The Division Engineer gave considerable testimony before the board. Other members of the Gunnison recreational community also testified, as did board members of the UGRWCD.

After considerable deliberation, the board decided to recommend to the Court that they grant a right of 250 cfs for the period of May through September. The recommendation was based on the testimony and course designer's statement that a "reasonable recreational experience" could be had at 250 cfs. Numerous terms and conditions to administer the rights and lessen the impacts to the river were also offered to the Court. The UGRWCD strongly disagreed, and the Judge has set a five-day trial for September 15, 2003.

**Application for Change in Water Rights by Town of Telluride and Idarado Mining Company (case 96CW313).**

In December of 1996, the Town of Telluride and Idarado Mining Company filed a complex change in water rights case to quantify the historic use of Pandora Mill and Blue Lake collections and Power Plant. Along with others, the Division of Water Resources (DWR) and Colorado Water Conservation Board filed a statement of opposition, citing injury to existing water rights.

This has been a fascinating case since it involves so much history of the historic mining operations in the Telluride Basin. Mines in that area started in the late 1800's, as evidenced by many of the early appropriate dates of the water rights involved. The Pandora Mill itself was built in the 1930's, greatly expanded in 1957, and discontinued in 1979 when market conditions became unprofitable. In the early 1980's, the Idarado Mining Company began CERCLA cleanup procedures, forever shutting down the mill and mine.

DWR had numerous concerns with the case, the most notable being the 'cherry picking' of the highest 20-year period in the consumptive use analysis. The State felt that the CU should be based on the average over the entire use period.

Negotiations to settle the case have been going on since 1998, but in 2002 the negotiations became more serious. There were multiple meetings with the applicants and their engineers and ten full days of depositions. Representing the State were the Division Engineer, Craig Lis of the Denver office, and Linda Bassi of the Attorney General's Office. Despite the best attempts, an impasse was reached and the case scheduled for a 4-week trial starting in October of 2002.

As seems to be the case when cases go to trial, the negotiations became more intense and focused. Just months before the trial, other objectors stipulated out of the case. After the applicants offered additional terms to meet most of the State's concerns, a decision was made to also sign the stipulation and get out of the case. On the day before the trial, the remaining objector also stipulated and the trial was cancelled. The town of Telluride and Idarado Mining Company are to be commended for their reasonable approach to solve the objectors' concerns and avoid litigation.



## GREATER EFFICIENCY IN DIVISION 4

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Division 4 continues to utilize the latest technology to improve the efficiency and accuracy of our work. Some of the most effective tools continue to be the TOPO! software and Garmin GPS receivers. Our water commissioners and well technician have made extensive use of the GPS accuracy and the digital mapping. This technology is used to determine accurate locations for water administration, water court field inspections and well permitting.

An additional use this past year was the determination of historical irrigated acreage for abandonment proceedings. One would carry the Garmin GPS receiver around the perimeter of an irrigated pasture to create a “track” used to calculate a very accurate acreage figure. The track would then be downloaded into TOPO! in order to generate a high-quality color map. This approach was very successful in supporting our position in several abandonment proceedings.



Another example of the use of technology was the Palm PDA's. These handheld computers proved their effectiveness during water administration. Carl Hurst and Scott King, our Water Commissioners on the Lake Fork of the Gunnison and Kannah Creek, respectively, used their PDA's to record diversions, calculate both normal and submerged-flume readings, and look up tabulation data while out in the field. The PDA's were also used extensively for scheduling and contact management. We hope to expand the use of these tools in the near future as our budget allows.

Scott King has taken on the responsibilities of our Information Technology Liaison for Division 4. In addition to his water administration duties, Scott has found the time to become well skilled in computer support issues. To further his knowledge base of computers, Scott has enrolled in a Core Technologies for Network Administration course at Mesa State College. Scott's expertise has been very beneficial in solving our computer problems on a local level, which in turn has improved the efficiency of the Division 4 office.

**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	1,386	62	714	91	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	* 0	0	28	4655	Tomichi Cr
26	N/A	Tarbell D	Saguache Cr	607	75	* 0	0	28	4656	Cochetopa Cr
20	N/A	Tabor D	Clear Cr	875	149	74	129	62	774	Cebolla Cr
45	577	Divide C Highline	Divide Cr	1,112	45	675	49	40	4657	Cl Fk Muddy Cr
72	N/A	Grand Jct FL & WW	Colorado R	2,150	348	5,596	365	42	4710	Kannah Cr
72	N/A	Hallenbeck R #1	Colorado R	4,321	351	272	32	42	3618	Kannah Cr
72	N/A	Redlands Can	Colorado R	540,876	353	503,333	355	42	4713	Gunnison
72	N/A	Fruita PI	Colorado R	****	****	****	****	73	4712	East Cr

\*No water available, \*\* Water available, none taken \*\*\*\*Water taken, no data available

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**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	0	8/1/2002	511.1	4/1/2002	0
28	3591	McDonough #1	Los Pinos Cr	0	4/1/2002	0	All Year	0
28	3592	McDonough #2	Los Pinos Cr	545.3	3/1/2002	0	8/1/2002	0
28	3593	Needle Creek	Needle Cr	0	9/1/2002	741.3	4/1/2002	71.4
28	3594	Upper Dome R	Cochetopa Cr	441.68	10/31/2002	880.2	4/1/2002	441.68
28	3595	Vouga Res	Razor Cr	530.0	10/1/2002	910.0	4/1/2002	565.0
40	3412	Ault Res	Muddy Cr	0	11/1/2001	50.0	5/9/2002	0
40	3414	East Beckwith	Anthracite	0	11/1/2001	376.0	6/6/2002	0
40	3413	Bruce Park Res	Hubbard Cr	0	11/1/2001	417.0	6/10/2002	0
40	3399	Overland Res 1	Muddy Cr	0	7/12/2002	3060.0	6/4/2002	0
40	3416	Paonia Res	Muddy Cr	1,526.0	8/6/2002	16,500.0	5/15/2002	1,526.0
40	3417	Spatafora Res	Muddy Cr	0	11/1/2001	10.0	5/9/2002	0
40	3418	Tomahawk Res	Muddy Cr	0	9/1/2002	21.8	5/19/2002	0
40	3419	Williams Cr R	Muddy Cr	75.0	11/1/2001	100.0	5/17/2002	80.0
40	3391	Bald Mt Res	Crystal Cr	0	11/1/2001	60.0	7/1/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3394	Don Meek 1	Crystal Cr	12.0	8/30/2002	20.0	6/3/2002	12.0
40	3395	Fruitland Res	Crystal Cr	0	11/1/2001	4,186.0	4/30/2002	0
40	3392	Bottle Stomp R	Iron Cr	0	11/1/2001	17.0	5/31/2002	0
40	3553	Crawford Res	Iron Cr	1,643.0	8/30/2002	6,887.0	4/30/2002	2,353.0
40	3397	Meek Res	Iron Cr	0	11/1/2001	27.0	5/3/2002	0
40	3401	Rockwell 1 R	Iron Cr	20.0	9/20/2002	119.0	5/3/2002	25.0
40	3403	Tyler Res	Iron Cr	10.0	10/1/2002	150.0	5/31/2002	10
40	3400	Poison Spr Res	Gunnison R	30.0	9/25/2002	50.0	5/1/2002	30
40	3402	Todd Res	McDonald Cr	0	11/1/2001	15.0	4/15/2002	0
40	3420	Bailey Res	Leroux Cr	0	11/1/2001	423.0	5/2/2002	0
40	3421	Brockman 1 R	Leroux Cr	0	11/1/2001	16.0	4/29/2002	0
40	3422	Brockman 2 R	Leroux Cr	0	11/1/2001	41.0	4/29/2002	0
40	3423	Carl Smith R	Leroux Cr	0	11/1/2001	938.0	4/29/2002	657.94
40	3424	Dog Fish Res	Leroux Cr	0	11/1/2001	243.0	5/22/2002	0
40	3425	Dowdy Res	Leroux Cr	0	11/1/2001	264.0	4/29/2002	0
40	3426	Ella Res	Leroux Cr	0	11/1/2001	98.0	5/2/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**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	11/1/2001	218.0	5/22/2002	0
40	3428	Ellington Cook	Leroux Cr	0	11/1/2001	15.0	5/22/2002	0
40	3429	Fairmont Park	Leroux Cr	0	11/1/2001	30.0	5/2/2002	0
40	3430	Fairmont Res	Leroux Cr	0	11/1/2001	78.0	5/22/2002	0
40	3431	Fisher Res	Leroux Cr	0	11/1/2001	10.0	4/29/2002	0
40	3432	Goodenough Res	Leroux Cr	0	7/24/2002	405.0	5/22/2002	0
40	3433	Gray Res	Leroux Cr	0	11/1/2001	424.0	4/29/2002	0
40	3435	Hanson 2 Res	Leroux Cr	0	11/1/2001	225.0	5/2/2002	0
40	3437	Hunt Res	Leroux Cr	10.0	11/1/2001	10.0	6/13/2002	10.0
40	3438	Lucky Find Res	Leroux Cr	0	11/1/2001	66.0	5/2/2002	0
40	3439	Miller Res	Leroux Cr	0	11/1/2001	20.4	5/2/2002	0
40	3440	Owens Res	Leroux Cr	0	11/1/2001	92.0	5/2/2002	0
40	3441	Patterson Res	Leroux Cr	0	11/1/2001	78.0	5/22/2002	0
40	3442	Patterson 2 R	Leroux Cr	151.0	11/1/2001	151.0	6/1/2002	151.0
40	3443	Pine Cone Res	Leroux Cr	0	11/1/2001	25.0	5/22/2002	0
40	3444	Reynolds Res	Leroux Cr	0	11/1/2001	176.0	5/22/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3446	Skim Milk	Leroux Cr	0	11/1/2001	90.0	5/22/2002	0
40	3447	Wash Tub Res	Leroux Cr	0	11/1/2001	33.0	4/29/2002	0
40	3448	Water Bug R	Leroux Cr	0	11/1/2001	40.0	5/2/2002	0
40	3449	Willow Res	Leroux Cr	0	11/1/2001	110.0	5/22/2002	0
40	3406	Beaver Res	Minn Cr	0	11/1/2001	432.0	5/20/2002	0
40	3407	Lone Cabin R	Minn Cr	0	11/1/2001	150.0	6/31/2002	0
40	3408	Monument Res	Minn Cr	0	11/1/2001	95.0	6/29/2002	0
40	3410	Roeber 2 Res	Minn Cr	0	11/1/2001	0	6/1/2002	0
40	3411	West Res	Jay Cr	0	11/1/2001	100.0	6/13/2002	0
40	3714	Lucas Cline R	North Fork R	0	11/1/2001	0	6/1/2002	0
40	3409	Reynolds Res	Reynolds Cr	7.0	7/28/2002	40.0	6/1/2002	7.0
40	3436	Holy Terror R	Terror Cr	0	11/1/2001	146.0	5/22/2002	0
40	3445	Rex Res	Terror Cr	0	11/1/2001	15.5	5/22/2002	0
40	3300	Alexander Lake	Ward Creek	0	10/31/2002	157.0	4/16/2002	0
40	3302	Barren Lake	Kiser Cr	0	10/3/2002	338.75	5/29/2002	0
40	3450	Basin #1	Dirty George C	0	10/31/2002	0	10/31/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**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	10/31/2002	0	10/31/2002	0
40	3452	Battlement 1	Dirty George C	0	10/31/2002	43.10	4/30/2002	0
40	3453	Battlement 2	Dirty George C	0	10/31/2002	22.0	8/1/2002	0
40	3341	Bonita	Surface Cr	0	10/31/2002	183.0	5/1/2002	0
40	3304	Bull Finch 1	Kiser Cr	0	10/31/2002	26.0	6/1/2002	0
40	3305	Bull Finch 2	Kiser Cr	0	10/31/2002	0	10/31/2002	0
40	3303	Boulder Lake 1	Ward Cr	0	10/31/2002	0	10/31/2002	0
40	3342	Cabin Lake	Surface Cr	0	10/31/2002	18.0	5/1/2002	0
40	3378	Calumet	Surface Cr	0	10/31/2002	16.84	5/1/2002	0
40	3366	Carbonate Cmp 3	Surface Cr	0	10/31/2002	3.0	5/1/2002	0
40	3306	Carbonate Cmp 6	Youngs Cr	0	10/31/2002	112.0	5/31/2002	0
40	3307	Carbonate Cmp 7	Youngs Cr	0	10/31/2002	6.2	4/17/2002	0
40	3343	Cedar Mesa	Surface Cr	0	10/31/2002	443.45	4/30/2002	0
40	3379	Cole 1	Surface Cr	0	10/31/2002	8.78	6/6/2002	0
40	3380	Cole 2	Surface Cr	0	10/31/2002	10.56	5/1/2002	0
40	3381	Cole 3 (Chy Ln)	Surface Cr	0	10/31/2002	13.66	5/1/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3344	Cole 4	Surface Cr	0	10/31/2002	0.65	5/1/2002	0
40	3345	Cole 5	Surface Cr	0	10/31/2002	16.18	5/1/2002	0
40	3308	Daniels Sl	Kiser Cr	0	11/1/2001	90.99	5/14/2002	23.25
40	3309	Deep Slough	Ward Cr	0	10/31/2002	243.3	5/13/2002	0
40	3310	Deep Ward	Ward Cr	0	10/31/2002	691.0	5/13/2002	0
40	3346	Deserted Park	Surface Cr	0	10/31/2002	17.86	5/2/2002	0
40	3311	Donnelly Sl	Kiser Cr	0	10/31/2002	124.38	5/13/2002	0
40	3382	Doughty 1	Surface Cr	0	10/31/2002	7.06	5/1/2002	0
40	3383	Doughty 2	Surface Cr	0	10/31/2002	8.2	5/23/2002	0
40	3347	Dreyfus	Surface Cr	0	10/31/2002	42.5	5/1/2002	0
40	3312	Eggleston Lake	Kiser Cr	0	10/31/2002	1,102.0	5/31/2002	0
40	3348	Elk Park	Surface Cr	0	10/31/2002	96.83	11/1/2001	0
40	3549	Eureka 1	Youngs Cr	0	10/31/2002	3.43	5/2/2002	0
40	3349	Eureka 2	Youngs Cr	0	10/31/2002	9.24	5/2/2002	0
40	3350	Fish Lake	Surface Cr	0	10/31/2002	53.3	5/1/2002	0
40	3313	Forrest	Ward Cr	0	10/31/2002	16.9	5/13/2002	0



**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3314	Goodenough	Kiser Cr	0	10/31/2002	92.49	4/17/2002	0
40	3455	Granby 6	Dirty George C	0	10/31/2002	45.98	4/9/2002	0
40	3456	Granby 7	Dirty George C	29.99	10/31/2002	76.08	4/9/2002	29.99
40	3457	Granby 8	Dirty George C	0	10/31/2002	0	10/31/2002	0
40	3458	Granby 9	Dirty George C	0	10/31/2002	11.71	4/12/2002	0
40	3454	Granby 5-11	Dirty George C	0	10/31/2002	114.4	4/29/2002	0
40	3459	Granby 12	Dirty George C	63.6	10/31/2002	220.26	4/12/2002	63.6
40	3351	Greenwood	Surface Cr	0	10/31/2002	33.66	5/1/2002	0
40	3384	Hale	Surface Cr	0	10/31/2002	6.59	5/1/2002	0
40	3315	Hotel Twin L	Ward Creek	0	10/31/2002	0	10/31/2002	0
40	3316	Howard	Kiser Cr	0	10/31/2002	16.45	5/2/2002	0
40	3317	Island Lake	Ward Cr	76.48	9/30/2002	777.28	5/13/2002	76.48
40	3352	Kehmeier	Surface Cr	0	10/31/2002	231.37	5/1/2002	0
40	3319	Kiser Slough	Surface Cr	0	10/31/2002	117.58	4/17/2002	0
40	3318	Kennicott Sl	Kiser Cr	0	10/31/2002	24.16	4/17/2002	0
40	3353	Knox	Surface Cr	0	10/31/2002	92.92	5/1/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	4520	Leon Lake	Leon Cr	0	10/31/2002	642.09	7/2/2002	0
40	3385	Leon Park	Surface Cr	0	10/31/2002	30.3	5/1/2002	0
40	3320	Lilly Pad	Youngs Cr	0	10/31/2002	9.09	5/6/2002	0
40	3386	Little Giant 1	Surface Cr	0	10/31/2002	48.0	6/1/2002	0
40	3387	Little Giant 2	Surface Cr	0	10/31/2002	0	10/31/2002	0
40	3322	Little Grouse	Youngs Cr	0	10/31/2002	29.96	4/17/2002	0
40	3321	Little Gem	Ward Cr	101.88	11/1/2001	219.0	8/13/2002	219.0
40	3388	Marcott	Surface Cr	0	10/31/2002	215.12	5/1/2002	0
40	3323	McKoon	Youngs Cr	0	10/31/2002	19.98	4/19/2002	0
40	3354	Military	Surface Cr	0	10/31/2002	102.73	5/1/2002	0
40	3355	Park	Surface Cr	922.74	10/31/2002	2,205.42	4/1/2002	922.74
40	3324	P C & G 1	Kiser Cr	0	10/31/2002	8.0	6/3/2002	0
40	3325	Pedro	Youngs Cr	0	10/31/2002	65.16	4/17/2002	0
40	3326	Pine	Youngs Cr	0	10/31/2002	0	10/31/2002	0
40	3327	Prebble	Youngs Cr	50.47	10/31/2002	138.23	4/18/2002	50.47
40	3328	Rim Rock Lake	Ward Cr	17.8	11/1/2001	90.0	5/13/2002	84.0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3329	Rockland	Ward Cr	0	10/31/2002	0	10/31/2002	0
40	3356	Round Lake	Surface Cr	0	10/31/2002	2.85	4/30/2002	0
40	3330	Ryan	Youngs Cr	0	10/31/2002	18.74	4/17/2002	0
40	3357	Sackett	Surface Cr	0	10/31/2002	108.0	4/30/2002	0
40	3331	Safety 1 & 2	Cottonwood Cr	0	10/31/2002	4.09	5/9/2002	0
40	3332	Scotland Peak	Ward Cr	0	10/31/2002	0	10/31/2002	0
40	3333	Sheep Lake	Ward Cr	0	10/31/2002	134.37	5/13/2002	0
40	3358	Stell	Surface Cr	0	10/31/2002	32.69	5/1/2002	0
40	3389	Trickle	Surface Cr	0	10/31/2002	35.40	5/1/2002	0
40	3359	Trio	Surface Cr	0	10/31/2002	87.11	4/30/2002	0
40	3360	Twin Lake 1	Surface Cr	0	10/31/2002	15.2	4/30/2002	0
40	3361	Twin Lake 2	Surface Cr	0	10/31/2002	37.20	4/30/2002	0
40	3334	Upper Hotel L	Ward Cr	0	10/31/2002	53.37	4/19/2002	0
40	3362	Vela	Surface Cr	31.91	10/31/2002	436.62	4/30/2002	31.91
40	3335	Ward Cr	Ward Cr	19.5	11/1/2001	267.7	4/16/2002	37.09
40	3363	Weir/Johnson 2	Surface Cr	61.87	8/1/2002	339.28	5/1/2002	61.87

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
40	3364	Weir Park	Surface Cr	0	10/31/2002	28.64	5/1/2002	0
40	3336	Womack 1	Ward Cr	0	10/31/2002	100.6	5/13/2002	0
40	3337	Womack 2 & 3	Cottonwood Cr	0	10/31/2002	101.51	5/14/2002	0
40	3340	Womack 5	Cottonwood Cr	0	10/31/2002	2.41	5/9/2002	0
40	3338	Young Cr 1 & 2	Youngs Cr	0	11/1/2001	83.89	4/18/2002	35.6
40	3339	Youngs Cr 3	Youngs Cr	0	10/31/2002	110.78	11/1/2001	0
40	3390	Y & S	Surface Cr	0	10/31/2002	109.4	5/1/2002	0
40	3365	Fruitgrowers	Alfallfa Run	0	8/23/2002	3,276.32	4/16/2002	0
40	3368	Beaver Dam	Escalante Cr	0	10/31/2002	177.0	6/1/2002	0
40	3370	Clark Res	Oak Cr	0	10/31/2002	18.24	5/14/2002	0
40	3373	Dugger Res	Oak Cr	69.56	10/31/2002	111.65	4/9/2002	69.56
40	3374	Morris 2	Oak Cr	12.52	10/31/2002	16.33	11/1/2001	12.52
40	3375	Pitcarin Res	Doughspoon Cr	35.98	10/31/2002	47.12	4/23/2002	35.98
40	3376	Porter 1	Oak Cr	116.04	11/1/2001	201.76	4/19/2002	117.14
40	3377	Porter 4	Oak Cr	38.0	10/31/2002	38.0	10/31/2002	38.0
40	3301	Arch Slough	Ward Cr	0	10/31/2002	9.55	4/19/2002	0

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**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	11/1/2001	292.0	4/16/2002	292.0
42	3600	Anderson R 1	Kannah Cr	0	4/18/2002	499	5/31/2002	378
42	3601	Anderson R 2	Kannah Cr	0	5/31/2002	416	5/18/2002	0
42	3630	Anderson R 6	Kannah Cr	0	11/1/2001	0	10/31/2002	0
42	3602	Bolen AJ R	Kannah Cr	0	11/1/2001	73.9	5/1/2002	0
42	3603	Bolen Res	Kannah Cr	0	11/1/2001	73.5	5/1/2002	0
42	3604	Carson Lake	Kannah Cr	653	11/1/2001	653	10/31/2002	653
42	3606	Deep Cr R 2	Kannah Cr	0	11/1/2001	125	5/10/2002	0
42	3607	Dry Cr R Sup	Kannah Cr	0	11//2001	83	5/16/2002	0
42	3608	Flowing Pk R	Kannah Cr	73	9/4/2002	396	5/16/2002	85.2
42	3609	Fruita Res 1	East Cr	24.10	11/1/2001	24.10	5/1/2002	12.10
42	3610	Fruita Res 2	East Cr	25.20	11/1/2001	147.26	5/1/2002	27.45
42	3614	Grand Mesa R 1	Kannah Cr	0	11/1/2001	99	5/16/2002	0
42	3615	Grand Mesa R 6	Kannah Cr	0	11/2/2001	153	5/10/2002	5

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**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	11/2/2001	322	7/1/2002	0
42	3617	Grand Mesa R 9	Kannah Cr	0	11/2/2001	63	8/1/2002	0
42	3618	Hallenbeck R 1	Kannah Cr	416	11/2/2001	693.5	1/31/2002	501
42	3619	Hallenbeck R 2	Kannah Cr	0	5/31/2002	218.4	5/10/2002	0
42	3620	Juniata Res	Kannah Cr	3889	10/2/2002	5632	4/31/2002	4078
42	3623	Scales Res 1	Kannah CR	0	11/1/2001	83.6	5/31/2002	0
42	3624	Scales Res 3	Kannah Cr	0	11/2/2001	53	5/31/2002	0
42	3625	Somerville R 1	Whitewater Cr	0	11/2/2001	59.2	5/31/2002	0
59	3665	Spring Creek	Taylor River	1110	9/2/2002	1295.3	5/13/2002	1110
59	3666	Taylor Park	Taylor River	41856	10/20/2002	70386	6/4/2002	41965
59	3684	Lake Grant	Slate River	4.9	10/31/2002	38.7	6/1/2002	4.9
59	2689	Meridian Lk Pk	Slate River	123	4/28/2002	123	10/15/2002	123
60	3507	Gurley R	Beaver Cr	1745	10/31/2002	6078	5/11/2002	1745

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM		MAXIMUM		END YR
				AF	DATE	AF	DATE	
60	3511	Lone Cone R	Bennet Cr	970	10/31/2002	1400	5/11/2002	970
60	3510	Lilylands	Naturita Cr	40	10/31/2002	424	5/15/2002	40
60	3512	Miramonte	W Naturita Cr	4725	8/5/2002	5792	5/25/2002	5423
60	3527	Trout Lake Res	Lake Fork	1111	3/28/2002	3132	8/26/2002	3104
61	3551	Buckeye R	Buckeye Cr.	0	7/1/2002	547	4/18/2002	0
62	3552	Blue Mesa	Gunnison R	262,523	10/22/2002	554,719	1/11/2001	266,424
62	3578	Crystal	Gunnison R	12,330	6/2/2002	17,482	4/3/2002	13,573
62	3545	Morrow Pt	Gunnison R	92,873	9/21/2002	117,019	6/2/2002	109,477
62	3548	Silverjack	Big Cimarron	934	10/1/2002	9,732	6/12/2002	1,173
63	3640	Craig Res 2	West Cr	32.90	11/1/2001	544.00	5/1/2002	63.46
63	3641	Burg Res	West Cr	0.00	11/1/2001	0.00	5/1/2002	0.00
63	3642	Casement Res	West Cr	27.10	11/1/2001	27.10	5/31/2002	6.15
63	3643	Casto Res	West Cr	0.00	11/1/2001	132.88	5/1/2002	10.75

**RESERVOIR STORAGE SUMMARY**  
**IRRIGATION YEAR – 2002**  
**AMOUNT OF STORAGE**

<u>WD</u>	<u>ID</u>	<u>RESERVOIR NAME</u>	<u>SOURCE STREAM</u>	<u>MINIMUM</u> <u>AF</u>	<u>DATE</u>	<u>MAXIMUM</u> <u>AF</u>	<u>DATE</u>	<u>END YR</u>
63	3644	Craig Res 1	West Cr	0.00	11/1/2001	0.00	5/31/2002	0.00
68	3675	Ridgway	Uncompahgre R	55218	9/10/2002	74296	4/20/2002	56274
73	3612	Duval Res	Chiquito Dol.	0.00	11/1/2001	54.09	5/1/2002	0.00
73	3621	Fruita Res 3	Chiquito Dol.	25.00	11/1/2001	25.00	5/1/2002	12.37



## WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING					ALL 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	35	103	28	19	14	893	49,268	0	48,246	30,719	1.57
40	617	76	99	14	467	13,051	493,786	51,103	377,902	109,005	3.47
41	23	4	30	41	17	3,591	851,674	0	593,535	71,294	8.33
42	47	12	35	2	221	1,339	527,771	11,876	8,544	5,517	1.55
59	40	2	20	140	18	2,913	388,331	9,267	269,788	33,317	8.10
60	16	36	84	60	140	658	78,477	4,193	56,336	30,774	1.83
61	27	0	21	28	7	2,154	13,348	2,481	8,044	3,383	2.38
62	63	11	56	26	46	5,151	2,713,349	298,120	93,964	12,984	7.24
63	42	13	29	1	119	1,280	10,230	681	8,820	2,590	3.41
68	10	7	29	48	39	3,649	79,211	11,587	56,834	15,808	3.60
73	11	17	12	0	97	123	1,512	54	1,381	3,048	0.45
TOT	931	281	443	379	1,185	34,802	5,206,957	389,362	1,523,394	318,439	4.78

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	0	0	0	0	0	0	0	0	0
40	0	0	4,098	0	828	0	8,819	903	9,548
41	0	0	7,264	0	0	0	0	0	1,244
42	503,857	333	154	0	656	0	0	0	809
59	0	0	14,718	0	0	1,920	90,521	15	0
60	0	0	1,613	0	2,068	0	578	577	72
61	0	0	29	0	0	0	0	0	704
62	74	374,197	668	0	0	0	7,752	8	0
63	0	0	0	0	0	0	0	0	557
68	0	0	1,148	0	0	8	11	0	6,638
73	0	0	0	0	0	0	0	0	0
TOT	503,931	374,530	29,692	0	3,552	1,928	107,681	1,503	19,572

**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	154	3,568	0	0	0	0	0	0	400
41	0	0	0	0	0	0	0	0	249,631
42	0	0	0	0	0	0	0	0	0
59	0	1,970	0	132	0	0	0	0	0
60	0	0	0	0	0	13,112	0	0	0
61	0	0	0	0	0	0	0	620	1,469
62	0	43,997	0	0	0	1,894,225	0	0	0
63	0	58	0	0	0	0	0	0	0
68	112	2,874	0	0	0	0	0	0	99
73	0	19	0	0	0	0	0	0	120
TOT	266	52,486	0	132	0	1,907,337	0	620	251,719

**2002**  
**Water Court Activities**

Applications for Decrees		300
Consultations with Referee		255
Decrees Issued by Water Court		242
Dismissals		10
Complaints		0
	<u>Structures</u>	<u>Cases</u>
New Conditional Water Rights		80
Diligence on Conditional Rights		38
Cancellations of Conditional Rights		13
Conditional Rights Made Absolute		16
Underground Water Rights Adjudicated	50	24
Surface Water Rights Adjudicated	322	205
Water Storage Rights Adjudicated	143	50
Plans for Augmentation Adjudicated		12
Change of Water Rights / Location		19
Change of Water Rights / Use Adjudicated		8
In-stream Flow Rights Adjudicated		0

**APPENDIX E  
DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
<b><i>Water District 28</i></b>							
Razor Creek	Kennedy #1 Ditch	10301.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Razor Creek	Kennedy #2 Ditch	10301.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Razor Creek	Razor Creek Ditch	10737.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Razor Creek	Hirdman #1 Ditch	10743.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Razor Creek	Hirdman #2 Ditch	10737.00000 10743.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Razor Creek	Hirdman #3 Ditch	10743.00000	4/23/2002	10/14/2002	Greg Peterson	Snyder Ditches 1&2	11109.00000
Tomichi Creek	Arch Ditch	22797.00000	4/23/2002	5/5/2002	Greg Peterson	Sargents No 1 Ditch	24074.12205
Stubbs Gulch	Beaver Ditch	35168.29015	4/24/2002	Season	George Lickiss	Fatal	None
Quartz Creek	Parlin Quartz Ditch	16557.00000	5/10/2002	10/14/2002	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	Parlin Quartz Ditch	24258.00000	5/10/2002	Season	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	O'Regan No. 1 Ditch	18740.00000	5/10/2002	6/10/2002	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	O'Regan No. 2 Ditch	17319.00000	5/10/2002	6/10/2002	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	Chittenden Ditch	24074.23896	5/10/2002	9/25/2002	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	Chittenden Ditch	24074.23953	5/10/2002	9/25/2002	Fred Field	Lockwood Mundell	28311.09816
Quartz Creek	Parlin No. 2 Ditch	16192.09649	5/10/2002	8/19/2002	Duane Phelps	Cut Jo Ditch	24074.12224
Quartz Creek	Parlin No. 2 Ditch	16192.09649	8/26/2002	9/23/2002	Duane Phelps	Cut Jo Ditch	24074.12224
Quartz Creek	Parlin No. 1 Ditch	16192.09649	5/10/2002	10/4/2002	Duane Phelps	Cut Jo Ditch	24074.12224
Quartz Creek	Parlin No. 1 Ditch	28311.09649	5/10/2002	10/4/2002	Duane Phelps	Cut Jo Ditch	24074.12224
Tomichi Creek	Arch Ditch	22797.00000	5/24/2002	Season	Greg Peterson	Fatal	None
Tomichi Creek	Arch Ditch	13879.00000	5/24/2002	Season	Fred Field for Ron McCutchin	Owen Redden Ditch	16192.11270
Tomichi Creek	Arch Ditch	16192.14001	5/24/2002	Season	Fred Field for Ron McCutchin	Clark No 1 Ditch	16192.14032
Tomichi Creek	Arch Ditch	13879.00000	5/24/2002	Season	Darin Pearis	Owen Redden Ditch	16192.11270

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Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Tomichi Creek	Arch Ditch	13879.00000	5/24/2002	Season	Paul Tamarcaz	Owen Redden Ditch	16192.11270
Tomichi Creek	Arch Ditch	13879.00000	5/24/2002	Season	Charles Irby	Owen Redden Ditch	16192.11270
Tomichi Creek	Arch Ditch	16192.12785	5/24/2002	Season	Charles Irby	Means Bros # 8 Ditch	16192.12935
Tomichi Creek	S Davidson & Co. Ditch	11110.00000	5/24/2002	5/31/2002	Stan Irby	Owen No 1 Ditch	12418.00000
Tomichi Creek	S Davidson & Co. Ditch	11110.00000	5/31/2002	9/12/2002	Stan Irby	Owen No 1 Ditch	12418.00000
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.11109	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.11109	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.13666	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.13666	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.15462	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.15462	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	16192.12935	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Ford No. 2 Ditch	17698.00000	5/25/2002	9/4/2002	Fred Field for Bob Sharpe	Tarbell Ditch	24074.23546
Cochetopa Creek	Mesa Ditch	16192.10013	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Mesa Ditch	16192.12545	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Perry Irrigation Ditch	16192.11839	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Perry Irrigation Ditch	16192.13635	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Perry Irrigation Ditch	16192.13665	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Perry Irrigation Ditch	16192.13666	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Perry Irrigation Ditch	16192.14032	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546

**APPENDIX E  
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2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Cochetopa Creek	Perry Irrigation Ditch	16192.14166	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Mesa Ditch	16192.14032	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Cochetopa Creek	Smith Fork No. 2 Ditch	16192.11475	5/29/2002	Season	Shane Cox for Terry Snyder	Tarbell Ditch	24074.23546
Tomichi Creek	Biebel Ditches #1 and #2	9770.00000	6/5/2002	8/25/2002	Gary Hausler	Owens No 1 Ditch	12418.00000
Tomichi Creek	Guellet Ditch	11823.00000	6/5/2002	7/26/2002	Gary Hausler	Owens No 1 Ditch	12418.00000
Tomichi Creek	McCanne Ditches 1, 2 & 3	10957.00000	6/5/2002	6/25/2002	Gary Hausler, Gene Hollenbeck, Dana Gately, Bill Edwards	Owens No 1 Ditch	12418.00000
Tomichi Creek	Cain Borsum Ditch	16192.11110	7/13/2002	10/27/2002	Harry Peterson	Owen Redden Ditch	16192.11270
Tomichi Creek	Goodrich Ditch	11474.00000	7/30/2002	10/20/2002	Paul Taramarcaz	Owens No 1 Ditch	12418.00000
Tomichi Creek	Cox & McConnel Ditch	11474.00000	8/1/2002	10/31/2002	Dave Nelson, Stan Irby	Owens No 1 Ditch	12418.00000
<b><i>Water District 40</i></b>							
Ward Creek	Todd Ditch	20501.15066	4/4/2002	Season	Quinton Ladner	Granby Rowell D.	20501.16492
Ward Creek	Carbon Ditch	13685.00000	4/4/2002	Season	Eldon Rusch est.	Todd Ditch	20501.15066
Ward Creek	Granby Rowell Ditch	20501.16192	4/4/2002	Season	Paul Thompson	Todd Ditch	20501.18018
Dirty George Creek	Granby Ditch	20501.16192	4/4/2002	Season	Paul Thompson	Bourn enl. Cedar P.	20501.16496
Dirty George Creek	West Ditch	12407.00000	4/4/2002	10/29/2002	Rolf Sanburg	Cedar Park Ditch	13566.00000
Forked Tongue Cr.	Forked Tongue Ditch	13399.00000	4/5/2002	9/16/2002	Norman Kehmeier	Sandstone Bluff D.	13437.00000
Dirty George Creek	Blake ditch	20501.13605	4/6/2002	Season	Nate Hawkins	Cedar Park Ditch	20501.14413
Happy Hallow Creek	Happy Hallow Ditch	20501.16181	4/7/2002	10/12/2002	John Alward	Right Hand Ditch	20501.16315
Dirty George Creek	Cedar Park Ditch	13566.00000	4/7/2002	Season	Lynn Sanburg	Granby Res. #5	20501.15949
Dirty George Creek	Cedar Park Ditch	20501.14413	4/7/2002	Season	Lynn Sanburg	Granby Res. #5	20501.15949

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Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Happy Hallow Creek	Lucky #1 Ditch	20501.13240	4/8/2002	10/21/2002	Darrell Geyer	Happy Hallow D.	20501.16181
Forked Tongue Cr.	Perkins Ditch	13395.00000	4/8/2002	Season	John Alward	Sandstone Bluff D.	13437.00000
Forked Tongue Cr.	Kennicott Mower	13381.00000	4/10/2002	10/22/2002	Brian Niblack	Forked Tongue D.	13399.00000
Ward Creek	Sandstone Bluff	13437.00000	4/12/2002	10/22/2002	Gary Buchheim	Deep Ward Lake	20501.13372
Sand Creek	Sand Creek Ditch	20501.14737	4/12/2002	10/22/2002	Gary Buchheim	Granby Ditch	31924.15950
Forked Tongue Cr.	Park Ditch	12542.00000	4/12/2002	10/14/2002	Larry Kier	Forked Tongue D.	13399.00000
Forked Tongue Cr.	Park Ditch	29260.14414	4/12/2002	10/14/2002	Larry Kier	Adobe Ditch	31924.20943
Dirty George Creek	West Ditch	20501.14413	4/13/2002	10/29/2002	Rolf Sanburg	Granby Res. #5	20501.15949
Ward Creek	Williams #2 Ditch	20501.12540	4/15/2002	Season	Robert Clay	Deep Ward Lake	20501.13372
Ward Creek	Gard Ditch	12844.00000	4/16/2002	Season	Rolf Sanburg	Sandstone Bluff D.	13437.00000
Ward Creek	B and M Ditch	12844.00000	4/16/2002	Season	Rolf Sanburg	Sandstone Bluff D.	13437.00000
Ward Creek	Sessions Ditch	13269.00000	4/29/2002	9/22/2002	Richard Hamilton	Sandstone Bluff D.	13437.00000
Forked Tongue Cr.	Pioneer Ditch	25807.13605	5/25/2002	Season	Howard Ashby	Park Ditch	29260.14414
Minnesota Creek	Minnesota Canal	14413.13758	5/29/2002	Season	Willie Kesner	Turner Ditch	21263.17451
Minnesota Creek	Minnesota Canal	14413.13758	6/20/2002	Season	Willie Kesner	Sweezy Turner	14413.13574
Minnesota Creek	Minnesota Canal	14413.13758	7/2/2002	Season	Willie Kesner	Clough	14413.12283
Roatcap Creek	Roberts Stucker	21263.16833	5/14/2002	Season	Steve Wolcott	Oak Mesa	21263.20259
Bell Creek	North Fork Orchard	12174.00000	5/1/2002	Season	Norm Smith	HA Smith	13381.00000
Short Draw	Hotchkiss #2	29260.19144	4/29/2002	Season	Dick Hotchkiss	WF Duke	31924.21381
Leroux Creek	Stull Ditch	21089.15502	4/8/2002	Season	David Sievers	Overland Ditch	21089.15919
Leroux Creek	Highline Ditch	13119.00000	4/17/2002	Season	Mark Smith	Stull Ditch	21089.15502
Leroux Creek	Cow Creek Ditch	14413.12925	5/20/2002	Season	7X Ranch	Currant Cr. Ditch	21089.14413
Leroux Creek	Highline Ditch	13119.00000	5/28/2002	Season	Mark Smith	Cow Cr. Ditch	14413.12925
Leroux Creek	Currant Creek Ditch	12269.00000	6/14/2002	Season	Wayne Wolf	Highline Ditch	13119.00000
Leroux Creek	Highline Ditch	11779.00000	6/21/2002	Season	Mark Smith	Currant Cr. Ditch	12269.00000
Clear Fork	Ditch No. 3	21263.17335	6/19/2002	Season	McIntyre Ranch	Divide Creek Highline Feeder	



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Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Smith Fork Creek	Crawford Clipper Ditch	19413.12519	5/7/2002	Season	Bill Linman	Saddle Mountain Ditch	19413.17288
Crystal Creek	Cedar Canyon Iron Sp.	12350.00000	6/17/2002	Season	Roy McLaughlin	Dyer Fork Ditch	21263.18762
Crystal Creek	Cedar Canyon Iron Sp.	12350.00000	6/17/2002	Season	Roy McLaughlin	Crystal Valley Ditch	21263.14010
Smith Fork Creek	Crawford Clipper Ditch	19413.12519	5/20/2002	Season	Bill Linman	Needle Rock Ditch	19413.17258
Smith Fork Creek	Crawford Clipper Ditch	19419.12519	6/14/2002	Season	Bill Linman	Needle Rock Ditch	19413.16527
Smith Fork Creek	Crawford Clipper Ditch	19413.12519	6/25/2002	Season	Bill Linman	Needle Rock Ditch	19413.13990
Smith Fork Creek	Crawford Clipper Ditch	13076.00000	7/5/2002	Season	Bill Linman	Wilson Panky Ditch	13899.00000
Smith Fork Creek	Crawford Clipper Ditch	13076.00000	7/5/2002	Season	Bill Linman	Lone Rock Ditch	13868.00000
Terror Creek	Holybe Ditch	12370.00000	5/9/2002	8/24/2002	Bill Beuter	Terror Ditch	14413.12764
Deep Creek	Filmore Ditch	29260.25001	5/17/2002	10/31/2002	Jon Lee	Elk Horn Stomp D.	38481.00000
Terror Creek	Terror Ditch	12370.00000	5/27/2002	10/31/2002	Richard Rudin	Overland Ditch	21263.15919
N. Fork/Gunnison River	Fire Mountain Canal	25807.19174	6/13/2002	10/31/2002	Merritt Dennison	Somerset Water System	31924.19311
N. Fork/Gunnison River	Fire Mountain Canal	21701.00000	6/18/2002	10/31/2002	Merritt Dennison	Ditch No. 3 Ditch	29260.17335
N. Fork/Gunnison River	Stewart Ditch	15702.00000	7/18/2002	10/31/2002	Norm Smith	Fire Mountain Canal	21701.00000
N. Fork/Gunnison River	Paonia Ditch	14413.12114	7/18/2002	10/31/2002	Bob Lund	Stewart Ditch	19415.16770
N. Fork/Gunnison River	Short Ditch	14567.00000	7/18/2002	10/31/2002	Tom Curry	North Fork Farmers	14766.00000
Dry Creek	Gallant	21089.17503	4/15/2002	Season	H. Burgess	Durkee Ditch	21089.19127
Dry Creek	Durkee	21089.16635	5/6/2002	Season	Durkee Ditch Co.	Gallant	21089.17503
Dry Creek	New Bert	21089.14914	5/29/2002	Season	Chris Hyrup	Durkee Ditch	21089.16635
Dry Creek	Fuller #2	21089.14914	5/29/2002	Season	Gary Tharp	Durkee Ditch	21089.16635

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DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Ward, Kiser, Young	Surface Creek Ditch & Res.	50769.19357	1/1/2001	Winter	Ellis Fritchman	Curtailed all decrees except those with stockwater.	
Happy Hollow	Hamilton Seep #29	20501.15035	4/4/2002	Season	Melinda Smith	No Decreed Structures Above	
Happy Hollow	Pumpkin Swag Deep Ditch #32	20501.15462	4/5/2002	Season	Joseph Carlson	No Decreed Structures Above	
Happy Hollow	Pumpkin Swag Ditch #41	20501.16932	4/5/2002	Season	Joseph Carlson	Daisey 1 <sup>st</sup> Enl.	20501.19113
Ward, Kiser, Cottonwood	Lakefork #8	13356.00000	4/8/2002	Season	Willard Bull	Surface Creek Ditch & Res. #23	20501.13372
Youngs Creek	Childs #28	20501.14854	4/9/2002	Season	Chann Fogg	Cherokee #38	20501.16893
Youngs Creek	Red Bluff #12	13398.00000	4/9/2002	Season	Les Haddon	Childs #28	20501.14854
Youngs Creek	Childs #4	13141.00000	4/9/2002	Season	Chann Fogg	Childs #28	20501.14854
Youngs Creek	Santa Fe #25	20501.14413	4/16/2002	Season	Harlow Medill	No Water Available (Fill #17)	
Youngs Creek	Santa Fe #17	13877.00000	4/16/2002	Season	Harlow Medill	Santa Fe #25	20501.14413
Kiser Creek	Roseberry #22	20501.13301	4/18/2002	Season	Chann Fogg	Kiser Ditch #25	20501.14413
Youngs Creek	Broncho #6	13254.00000	4/23/2002	Season	Steve Lewis	Santa Fe #25	20501.14413
Happy Hollow Cr.	Daisey #26	20501.14670	4/24/2002	Season	Ken Sodowsky	Hamilton Seep #29	20501.15035
Happy Hollow Cr.	Lingren Picket #29	20501.15035	4/25/2002	Season	Ken Hillis	No Water Available (#26 call)	
Surface Creek	Fruit Growers Reservoir	20501.17820	11/1/2001	4/16/2002	Mel Schroeder	Curtailed all decrees in Surface Creek above Alfalfa Ditch.	
Surface Creek	Alfalfa Ditch	11674.00000	4/16/2002	Season	Billy Bookout	Cook Ditch	11748.00000
Surface Creek	Trickle Ditch	20501.13574	4/25/2002	Season	Ken Hillis	Called out the whole Surface Creek system and had to peg the Res. But this ditch did not get any water.	
Surface Creek	Fogg Ditch	12876.00000	4/25/2002	Season	Larry Schroeder	Forrest Ditch	12881.00000
Surface Creek	Eric Johnson Ditch	13120.00000	4/26/2002	Season	Karen Foster	Bonita Ditch	13514.00000
Surface Creek	Butte Ditch	13112.00000	4/28/2002	Season	John Blunk	Eric Johnson Ditch	13120.00000

**APPENDIX E  
DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Surface Creek	Eric Johnson Ditch	13120.00000	4/30/2002	Season	Karen Foster	Bonita Ditch	13514.00000
Surface Creek	Horseshoe Ditch	13615.00000	5/1/2002	Season	Bud Burgess	Weir & Johnson Ditch	20501.13223
Surface Creek	Bonita Ditch	13514.00000	5/2/2002	Season	Elmer Fergancheck	Horseshoe Ditch	13615.00000
Surface Creek	Eric Johnson	13120.00000	5/4/2002	Season	Karen Foster	Bonita Ditch	13514.00000
Surface Creek	Bonita Ditch	13514.00000	5/7/2002	Season	Elmer Fergancheck	Horseshoe Ditch	13615.00000
Surface Creek	Eric Johnson	13120.00000	5/10/2002	Season	Karen Foster	Bonita Ditch	13514.00000
Surface Creek	Fogg Ditch	12876.00000	5/11/2002	Season	Larry Schoeder	Forrest Ditch	12881.00000
Surface Creek	Shephard Ditch	12717.00000	5/14/2002	Season	Bill Hamilton	Fogg Ditch	12876.00000
Surface Creek	Settle Ditch	12503.00000	5/22/2002	Season	Bud Hawkins	Shepard Ditch	12717.00000
Surface Creek	Orchard Ranch Ditch	12182.00000	5/27/2002	Season	Jim Latta	Settle Ditch	12503.00000
Surface Creek	Cook Ditch	11748.00000	6/3/2002	Season	City of Cedaredge	Orchard Ranch Ditch	12182.00000
Surface Creek	Alfalfa Ditch	11674.00000	6/5/2002	Season	Billy Bookout	Cook Ditch	11748.00000
<b><i>Water District 41</i></b>							
Horsefly	Albush Ditch	24221.22524	4/1/02	4/15/02	Mardell Sanders	WD68	
Uncompahgre River	Montrose & Delta Canal	12516.00000	4/20/02	4/26/02	UVWUA	Ouray Ditch	13635.00000
Uncompahgre River	East Canal	12290.00000	4/26/02	5/7/02	UVWUA	Shavano Valley Ditch	12744.00000
Uncompahgre River	Montrose & Delta Canal	12150.00000	5/7/02	9/8/02	UVWUA	Ouray Ditch	13635.00000
Spring Creek	Shavano Valley Ditch	12744.00000	4/25/02	4/26/02	Wayne Brown	Keller Brothers Ditch	29038.12872
Spring Creek	S.E. Dillon	11962.00000	5/7/02	Season	Joe Crane	Shavano Valley Ditch	12744.00000
<b><i>Water District 42</i></b>							
Gunnison River	Redlands Power Canal	22283.20300	4/24/2002	4/26/2002	Greg Strong	No structures effected	

**APPENDIX E  
DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
Kannah Creek	Grand Junction Flow Line	30895.28975	11/1/2001	5/1/2002	Danny Vanover	No structures effected	
Kannah Creek	Juniata Ditch	13904.00000	4/1/2002	5/1/2002	Danny Vanover	No structures effected	
Kannah Creek	William J. Pondsford	11688.00000	7/13/2002	7/29/2002	Dan Brown	KC Extension Ditch	12724.00000
Kannah Creek	William J. Pondsford	11688.00000	8/9/2002	8/13/2002	Dan Brown	KC Extension Ditch	12724.00000
Kannah Creek	Grand Junction Flow Line	11687.00000	8/13/2002	10/2/2002	Danny Vanover	William J. Pondsford	11688.00000
Kannah Creek	Brown & Champion	13102.00000	5/13/2002	5/16/2002	Bill Blair	Bowen Private Ditch	13121.00000
Kannah Creek	KC Extension Ditch	12724.00000	5/22/2002	6/14/2002	Ed Gardner	Smith Irrigation Ditch	13007.00000
Kannah Creek	KC Extension Ditch	12724.00000	7/29/2002	8/8/2002	Ed Gardner	Smith Irrigation Ditch	13007.00000
Kannah Creek	KC Extension Ditch	12724.00000	9/26/2002	11/1/2002	Ed Gardner	Smith Irrigation Ditch	13007.00000
Kannah Creek	Juniata Ditch	13904.00000	5/8/2002	5/15/2002	Danny Vanover	Kannah Creek Highline Ditch	22848.21251
Kannah Creek	KC Highline Ditch	22848.21251	4/30/2002	5/8/2002	Danny Vanover	No curtailment.	
Kannah Creek	Northwestern	13007.00000	5/16/2002	5/19/2002	Steve Whiting	Brown and Champion	13102.00000
Kannah Creek	Northwestern	13007.00000	5/20/2002	5/22/2002	Steve Whiting	Brown and Champion	13102.00000
East Creek	Lurvey Ditch #1	22848.21258	5/1/2002	Season	Ron Tipping	No water available to curtail.	
<b><i>Water District 59</i></b>							
East River	East River #2 Ditch	30667.17425	6/20/2002	9/20/2002	Lee Spann	Lafayette Ditch	30667.19195
Gunnison and Tribs.	Gunnison Tunnel	20393.18779	7/9/2002	9/20/2002	UVWUA	East River No. 1 Lucero El	20627.00000

**APPENDIX E  
DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
<b><i>Water District 60</i></b>							
Cottonwood Creek	Carpenter	13456.00000	5/8/2002	10/31/2002	Zene Weimer	Highline Ditch	25826.24289
Stockdale Creek	Grove Ditch	12205.00000	4/16/2002	10/31/2002	Charles Hughes	Lone Cone Ditch	15279.00000
Naturita Creek	Maverick Draw Ditch	12524.00000	6/3/2002	10/31/2002	Earl Reams	Barry #2 Ditch	14549.00000
San Miguel River	BCD Ditch	13058.00000	6/24/2002	10/31/2002	Earl Reams	Highline Canal	16588.00000
San Miguel River	BCD Ditch	16406.00000	6/24/2002	10/31/2002	Earl Reams	Highline Canal	16588.00000
Dry Creek	Craver Ditch	24379.23193	4/15/2002	10/31/2002	James Boulden	Plateau Basin Ditch	32811.29324
San Miguel River	Goulding Ditch	13453.00000	6/25/2002	10/31/2002	Steve Bennett	Highline Canal	16588.00000
San Miguel River	Goulding Ditch	14914.00000	6/25/2002	10/31/2002	Steve Bennett	Highline Canal	16588.00000
San Miguel River	Highline Canal	17283.00000	6/24/2002	10/14/2002	Tandy Morgan, CC Ditch	Hardscrabble Ditch	25826.24289
San Miguel River	Reed Chatfield	16984.00000	6/21/2002	10/31/2002	Alan Todd	Highline Canal	23681.00000
San Miguel River	Parkway Ditch	18353.00000	6/26/2002	10/31/2002	George Glasier	Highline Canal	23681.00000
San Miguel River	BCD Ditch	13058.00000	6/20/2002	10/31/2002	Paul Castle	Highline Canal	16588.00000
San Miguel River	Reed Chatfield Ditch	16984.00000	6/25/2002	10/31/2002	Develva Bell	Highline Canal	23681.00000
San Miguel River	Reed Chatfield Ditch	30771.00000	6/21/2002	10/31/2002	Greg Hall	Highline Canal	32811.32555
San Miguel River	Doing Ditch	16984.00000	6/27/2002	10/31/2002	George Glasier	Highline Canal	23681.00000
San Miguel River	Highline Canal	16588.00000	8/28/2002	10/31/2002	Tandy Morgan	Carr Waddle Ditch	16984.00000
<b><i>Water District 61</i></b>							
Paradox Creek	Galloway Ditch	12549.00000	3/12/2002	10/31/2002	Greg Irwin	Goshorn Ditch	12753.00000
<b><i>Water District 62</i></b>							
Gunnison River	Gunnison Tunnel & South Canal	20393.18779	4/18/02	4/28/02	UVWUA	None curtailed. Admin. to decreed amts.	
Gunnison River	Gunnison Tunnel & South Canal	20393.18779	7/07/02	9/19/02	UVWUA	Big Blue Ditch	20393.19875

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DIVISION IV  
2002 RIVER CALLS**

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Gunnison River	Gunnison Tunnel & South Canal	20393.18779	9/25/02	9/28/02	UVWUA	Big Blue Ditch	20393.19875
Big Cimarron River	McMinn Ditch	12143.00000	8/19/02	9/23/02	Octave Nicolas	Cimarron Canal	19810.19448
Powderhorn Creek	Schecker Ditch	13042.00000	6/26/2002	7/26/2002	Joe Youmans	Wegener-Knoll Ditch	13284.00000
Powderhorn Creek	Wegener-Knoll Ditch	13284.00000	7/30/2002	Season	Tim Lehman	Dry Powderhorn	15096.00000
<b><i>Water District 63</i></b>							
West Creek	Bartholomew/Hatch Ditch	30079.18294	7/15/2002	Season	John Bratton	Bennett Ditch	30079.20838
<b><i>Water District 68</i></b>							
Horsefly	Albush Ditch	24221.22524	4/15/2002	5/4/2002	Mardell Sanders	Tierra Colorado Ditch	27184.21672
Dallas	Hosner Rowell Ditch	11779.00000	5/1/2002	5/12/2002	Mike Stanton	Dallas Ditch	12905.00000
Dallas	Reed Overman Ditch	10348.00000	7/8/2002	9/9/2002	Tom Harrington	Barker Ditch	10713.00000
Dallas	Mayol Sisson Ditch	9967.00000	7/8/2002	9/9/2002	Tom Harrington	Barker Ditch	10713.00000
Uncompahgre	Charley Logan Ditch	9649.00000	7/12/2002	7/30/2002	Michael Potter	Morrison Ditch	10348.00000
Uncompahgre	Morrison Ditch	10348.00000	7/12/2002	7/30/2002	Michael Potter	Hosner Brownyard Ditch	10360.00000
Uncompahgre	Moody Ditch	9622.00000	7/12/2002	7/30/2002	Michael Potter	Morrison Ditch	10348.00000
System wide	M&D Canal	11665.00000	7/11/2002	9/2/2002	Marc Catlin	McDonald No. 145 Ditch	11749.00000
System wide	M&D Canal	11715.00000	7/1/2002	7/11/2002	Marc Catlin	McDonald No. 145 Ditch	11749.00000
System wide	M&D Canal	12516.00000	4/26/2002	5/15/2002	Marc Catlin	Burger Ditch	12571.00000
System wide	M&D Canal	12516.00000	6/17/2002	6/24/2002	Marc Catlin	Burger Ditch	12571.00000
System wide	M&D Canal	29554.09618	6/4/2002	6/17/2002	Marc Catlin	Morrison Ditch	29554.09649

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DIVISION IV  
2002 RIVER CALLS**

Stream Affected	Name of Calling Structure	Admin # of Calling Structure	Date of Call	Duration of Call	Person Placing Call	Most Senior Curtailed Structure	Admin # of the Most Senior Curtailed Struct.
System wide	M&D Canal	12442.00000	6/24/2002	7/1/2002	Marc Catlin	Hieland Ditch	12475.00000
System wide	M&D Canal	14198.00000	5/15/2002	6/3/2002	Marc Catlin	Alkali Ditch No. 1	14336.00000
<b><i>Water District 73</i></b>							
Chiquito Dolores Cr	Upper Saxbury Ditch	22848.17806	5/1/2002	Season	Mountain Island Ranch	No water available to curtail	

# 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

### Water District 59

WATER COMMISSIONER  
Richard Rozman

### Water District 63

WATER COMMISSIONER  
Richard Belden

PR. WATER  
COMMISSIONER  
Robert Starr

### Water District 60

WATER COMMISSIONER  
Aaron Todd

### Water District 68

WATER COMMISSIONER  
Eric Weig

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

WATER COMMISSIONER  
Cary Denison

### 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**

**2002 CALENDAR YEAR**

<u>ACTIVITY</u>	<u>TOTALS</u>
Professional and Technical Staff	3
Clerical Staff	1
Water Commissioners FTE (Full / Part-Time)	23
2002 Decreed Surface Rights	322
Surface Rights Administered (visits)	23,027
Storage Rights Administered (visits)	3,357
2002 Decreed Wells	50
2002 Decreed Plans of Augmentation	12
Consultations with Referee	255
Water Court Appearances	95
Meetings with Water Users	150
Contacts to give public assistance	20,346*
*Includes Water Commissioner Contacts	