### Annual Report Division 4



2007



### DEPARTMENT OF NATURAL RESOURCES



### DIVISION OF WATER RESOURCES

Bill Ritter, Jr. Governor

Harris D. Sherman Executive Director

Dick Wolfe, P.E. Director/State Engineer

Wayne I. Schieldt. P.E. Division Engineer

April 17, 2008

Mr. Dick Wolfe, P.E. Director/State Engineer Division of Water Resources 1313 Sherman St., Room 818 Denver, CO 80203

Dear Dick,

On behalf of the staff of Division 4, we proudly submit the Annual Report for 2007.

Sincere appreciation is extended to you and your staff in Denver for the support and dedication provided to the Division 4 office.

Sincerely,

Wayne 7. Schieldt

Wayne I. Schieldt Division Engineer Division 4

### 2007 COLORADO DIVISION OF WATER RESOURCES ANNUAL REPORT DIVISION 4

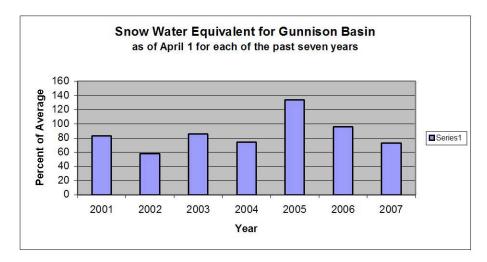
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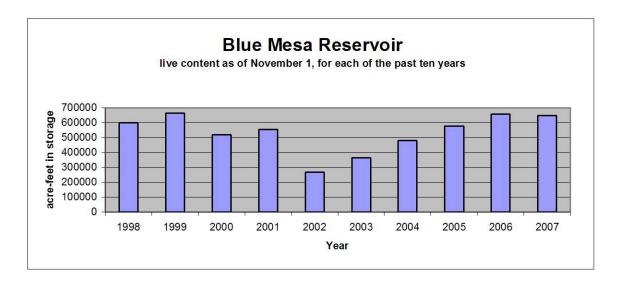
### ACCOMPLISHMENTS

### Water Administration

The 2007 Water Year was a unique and interesting year. It started out with very wet surface and groundwater conditions from the extremely wet summer/fall of 2006. However, the winter snowfall just didn't accumulate very well, and by April 1 the basin-wide was only 73% of average. The April 1<sup>st</sup> snowpack for the past six years is shown below.



Because of the abundant rains again in the summer and fall, the level in the reservoirs for the entire basin was very high going into the winter season. This is shown in the high carryover storage level in Blue Mesa Reservoir despite running strong flows in the Black Canyon all summer.



Even though the snowpack was low, the spring runoff turned out to be far more than expected, coming close to normal. Blue Mesa reservoir was only forecasted to fill to four feet from filling, but releases had to be increased in June to avoid spilling. Evidently, the

forecasting methods do not give enough consideration to the soil moisture conditions and how it can increase the amount of runoff water the snowpack will produce. This has been noticed in the past during drought conditions when the snowpack only seems to evaporate or run into the ground and runoff is far less than predicted. It was nice to have the positive benefit from the groundwater conditions for a change.

We also received very timely rains in the 2007 water year. After record heat in June and the first half of July, the summer monsoonal rains came early. Several times during the summer, when the flows started to drop, various parts of the basin would receive a good rainstorm and the flows would be brought back up and demand decreased. There is just no substitute for occasional rains and the benefits they provide to people.

District 40 is always tightly administered. The call season was about normal, being on call for the early spring, getting free water during the runoff, then back on call in early June. However, the summer rains decreased the demand for natural flow and more junior diverters were able to divert water. Most areas of District 40 also depend heavily on Grand Mesa reservoir water to sustain the mid- and late-summer irrigation. There was enough spring runoff to entirely fill every reservoir on the mesa; especially since the carryover storage



Big Blue Elk Herd

was so good from last fall. A lot of the reservoir was released in the early part of the summer, but with the occasional rains the late fall demands were less. The carryover storage going into the 2008 irrigation season was above normal for the second year in a row.

On the Uncompahgre River in Districts 41 and 68, the summer monsoonal rains kept the flows high enough to prevent the need for a river call. The Gunnison Tunnel kept running at maximum capacity, and there was enough flow down the Uncompahgre to meet the rest of their needs. The Uncompahgre Valley Water Users Association also used their full entitlement of 11,200 af of storage in Ridgway reservoir. The Uncompahgre River is needed for 40% of their demands.

On the San Miguel River, the frequent rains kept the flows high enough to satisfy the numerous senior water rights near Nucla and Naturita for the entire irrigation season. Normally a river call from the Highline Canal and the other senior ditches is made in August.

The summer usually produces some intense and localized thunderstorms that cause significant flooding damage. However, very few of those were observed in 2007.

### Personnel

With 23 full and part-time water commissioners, five professional and technical staff and one clerical staff person, there were a lot of personnel changes in 2007.

Pat McDermott was chosen as the new Assistant Division Engineer in December of 2006,

coming from the Division 3 office in Alamosa. However, his love for the San Luis Valley and his former position called him back to Division 3. His last day in Division 4 was July 20<sup>th</sup>.

After a competitive selection process, Bob Hurford was chosen as the new Assistant Division Engineer to start on August 13. Bob was the Public Works Director for the City of Montrose and possesses a lot of managerial skills that will help him in this new position. Although he is new to water resources issues, his eagerness to learn is bringing his knowledge level up at a rapid pace.

Administrative Assistant Nichole Stephens decided to pursue a nursing profession so she concluded her one year of service on April 27. Laura Kalafus was hired as the Program Assistant on June 4 and has done a great job since then. Her friendly personality, positive nature and skills in helping the public have been a great asset to our office.

Rona Troutman left her well commissioner position at the end of March to pursue another career. District 41 Water Commissioner, Scott King, moved over to replace Rona as the well commissioner. Greg Powers was hired in District 41 to replace Scott.

The Gunnison deputy position, which has been vacant since July of 2006, was filled by Thomas Rozman on June 25. Tommy is the son of Water Commissioner Richard Rozman in the Upper Gunnison area, and has spent a lot of time over the years learning the trade. Because the two work in the same district, it was divided into an upper and lower region to separate job duties. Division 4 has had a lot of great father and son Water Commissioners throughout the years who have served the Division well.

Another father-son team was formed when Josh Kasper, son of Pete Kasper, started as Water Commissioner in the Crawford area. He was hired as a temp, but became permanent part-time later in the summer. All of these new hires really learned their jobs quickly and contributed to the performance and great attitude in Division 4.

Retirees were District 62 Water Commissioner Carl Hurst, who had worked in Lake City for over 11 years; and Clint Oliver in District 61. Clint served as the Water Commissioner in the Paradox and lower San Miguel for over 31 years



Ken Knox, Eric Weig and Wayne Schieldt

Eric Weig was selected as the 2007 Water Commissioner of the Year for Water Division 4. Eric takes care of administration and record keeping in District 68, Ouray County. Eric has also been of great assistance in the Water Court consultation process for the last 10 years. He has great technical writing skills and prepares draft consultations for most of our Water Court cases. Those drafts are extremely valuable for the Division Engineer and Assistant Division Engineer in processing the cases and keeping up with the workload. He also reviews Proposed Rulings and

Engineering Reports to provide draft comments.

### BUDGET

The State finally achieved a victory in the legislature by tying the private vehicle mileage rate to the Federal mileage rate and getting increases whenever their rate goes up. A two year plan to increase the rate has been initiated, and those who drive their own vehicle to perform their DWR duties are better able to cover their costs, especially with gasoline prices so high. Unfortunately, the legislature did not fund us for the increase in our operating budget, so our Denver budget staff is working on how to fund those additional expenses.

The continued real estate development on the Western Slope and an increased number of water court filings required more intensive water administration and more field inspections this year. The complexity of augmentation plans and sheer number of decreed structures increases every year and demands additional time and mileage to monitor and administer them.

Division 4 seemed to have a better year for mileage driven, perhaps from the less frequent trips with the summer rains. With a little wiggle room in the budget, we were able to purchase some much needed equipment such as replacements for the old GPS units and office furniture.

### Hydrography

Hydrographer Jerry Thrush continues to use ADCP acoustic technology for the Hydrography program in Division 4. ADCP stands for Acoustic Doppler Current Profiler, which uses Doppler technology to determine the depth and velocity of a stream cross-section. He has been helpful to other Divisions, conducting demonstrations and training for them to purchase and use their own equipment.



Bob Hurford, ADE, at the Redlands Canal

We continue to use a 600 KHz, broadband, Acoustic Doppler Velocity Meter at the Redlands Canal in cooperation with the US Bureau of Reclamation. The instrument was mounted, a cross sectional survey conducted, and the ADVM hooked up to new telemetry equipment in 2006. Swimmers at the site apparently broke the ADVM and mount in the late fall, rendering the readings useless. Since the canal operators did not have a scheduled shutdown, Assistant Division Engineer Bob Hurford volunteered to dive in the frigid

waters in January and take the ADVM off the mounts. It was then sent to the manufacturer for repair and updates.

The concrete ramp flume and gauging station on Cow Creek near Ridgway Reservoir was finally installed this year. Cow Creek is a major tributary of the Uncompahgre River; the confluence is located just below Ridgway Reservoir. For years, we have had the administrative need to measure this creek. The amount of water in Cow Creek is combined with the release from Ridgway Reservoir to determine the flow needed by the canals operated by the Uncompahgre Valley Water Users Association (UVWUA). A downstream USGS gage

at Colona has been used, but there are numerous ditches in between that make the exact amount from Cow Creek hard to determine. The information obtained from this gage will allow better management of the storage water in Ridgway Reservoir. A cooperative alliance was formed between UVWUA, Tri-County Water Conservancy District, the US Bureau of Reclamation, and this office to share the equipment cost and aid in the installation and maintenance of the gage. A permanent easement was obtained from the Colorado Wildlife Commission to install the station on Colorado Division of Wildlife lands. The project was scheduled for installation in August 2006, but the contractor was unable to get started because of the saturated conditions in the adjacent field. It will be operational and collecting data for the runoff year in 2008.

A new gaging station was installed this fall on Buckeye Reservoir, which records and sends the reservoir elevation and outflow gage height from the Parshall flume below the reservoir. A sum of \$15,000 was obtained last year from the Southwest Water Conservation District for this project. This station will greatly benefit the Water Commissioner and the Buckeye Ditch and Reservoir Company.

There was also considerable time and expense to repair the Concrete Ramp flume on Roubideau Creek near Delta. Severe thunderstorms and resulting high flows have caused the

water to run around the control. The banks were built up and armored with large rocks to make sure it doesn't happen again.

Jerry Thrush continues to provide hydrographic support for this Division. With the assistance of several Water Commissioners, he maintains seven published gages, seven administrative gages and keeps satellite monitoring equipment maintained.



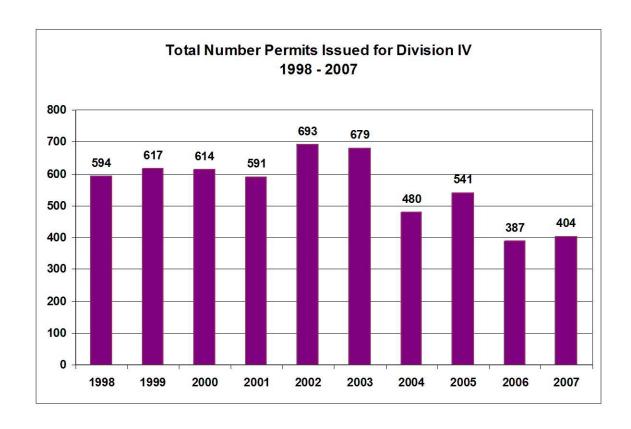
Roubideau Creek near Delta, Colorado

### Dam Safety

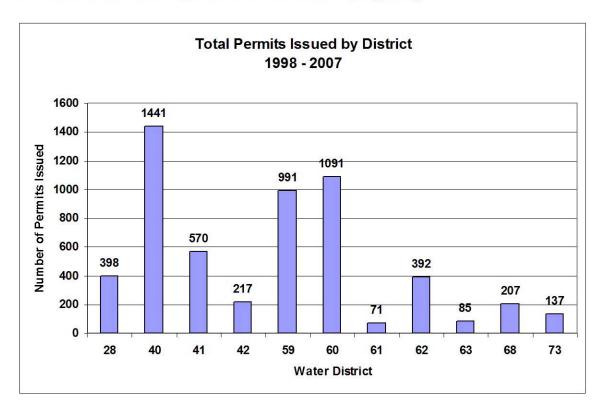
All of the Dam Safety activities in Division 4 are now documented in the *Annual Report on Dam Safety to the Colorado General Assembly*.

### GROUNDWATER

The Well Permitting Program in Division 4 continues to provide timely issuance of exempt well permits. There were 404 well permits issued within Division 4 during 2007, a slight increase from the 387 of last year. The decrease from previous years is probably a slowing of development and growth, as the chart below shows. Of the Division 4 total, 198 of those permits were issued by Division 4 staff. Being new to the job since April, Scott King had some limitations on the type of well permits he could issue directly from the Division 4 office. Non-exempt permits were issued by the 456 Team staff in Denver in 2007. It is still our goal to eventually issue all types of permits out of this office with only a very few requiring processing in Denver.



Of special interest is a breakdown of these permits by district as shown below. It looks like District 40 is still in the lead but Districts 59 and 60 are gaining.



Number of Well Permits by Water District for the Past 10 Years

Count of PERMITNO	WD											
Year	28	40	41	42	59	60	61	62	63	68	73	Total
1998	53	97	64	43	109	135	3	45	3	29	13	594
1999	47	115	44	22	140	137	5	58	6	23	20	617
2000	50	150	46	24	113	156	4	38	8	17	8	614
2001	40	145	62	38	89	108	11	47	17	18	16	591
2002	58	227	69	23	76	137	7	48	8	29	11	693
2003	40	229	65	20	106	134	8	27	21	15	14	679
2004	31	102	69	20	90	94	5	26	7	21	15	480
2005	40	151	114	11	90	54	10	40	3	18	10	541
2006	16	106	21	6	89	67	4	35	8	19	16	387
2007	23	119	16	10	89	69	14	28	4	18	14	404
Grand Total	398	1441	570	217	991	1091	71	392	85	207	137	5600

All exempt permits were issued out of the Montrose office. Our office has spent a considerable amount of time identifying and correcting information in the well permit database. The Well Commissioner has also undertaken several GIS projects involving this database that is proving very useful in getting parcel information from the counties in a useable form and moving toward replacing the hand drawing process on the paper maps. Of special note is the new Aquamap program that is now available online. This program has allowed the Well Commissioner to use GIS parcel data to easily identify parcels that are locked up with a permit. His use of GIS data continues to expand to make him more efficient in granting and tracking well permits.

### RECORDS AND INFORMATION

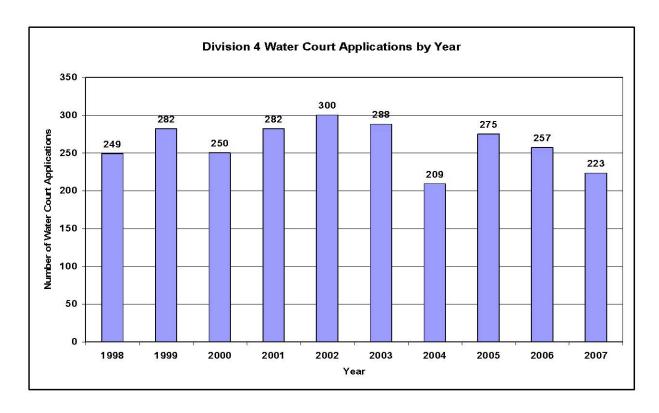
Annual diversion records and reservoir reports for Water Year 2007 were completed on schedule. Our water commissioners put a great deal of emphasis on these records, knowing the value they provide to our water users and the public. Lynne Bixler again coordinated the data entry and generated the diversion records using a new and updated Hydrobase program. The individual Water Commissioners reviewed each of their diversion records for accuracy and completeness with a minimum of written reports.

### Special Projects

Lynne Bixler, Hydrobase Manager has been the Division 4 coordinator in the statewide effort to standardize the way we tabulate Water Court Decrees. Years ago, we tabulated the Federal Reserve rights for BLM, thinking we had them all done. However, in the last few years we realized that we had not tabulated the USFS Federal Reserve rights. So, after several meetings with USFS officials, we collected the necessary decrees and data lists to begin tabulation. Lynne has completed a substantial portion of the list checking and cross referencing, and has began entering them into Hydrobase. The Federal Reserve water right tabulation project should be completed in late 2008 or early 2009.

### COURT HEARINGS AND CONSULTATIONS

There were 223 Water Right Applications filed in Division 4 this year, a decrease from last year's 257 and below the annual average for the last five years of 268 applications. While the trend in the number of water rights applications is decreasing, the level of complexity appears to be increasing with numerous changes of water rights and plans for augmentation.



Staff devotes considerable time in preparing Summary of Consultation Reports, reviewing Proposed Rulings and preparing subsequent comments, and answering questions from applicants or their attorneys. The Division 4 staff work diligently in cooperation with Water Referee Aaron Clay, in making sure decrees are clear, concise and easily administered by providing detailed Consultations and reviewing and commenting on all Proposed Rulings. Water Commissioner Eric Weig, a valuable asset to Division 4 in the water court process, assists the Division Engineer and the Assistant Division Engineer in preparing draft consultations. With the pending 2008 retirement plans of the Water Court Referee, Aaron Clay, staff has been working with Referee Clay to reduce the backlog of cases that have stalled or not made progress. Regular meetings were held in 2007 between Aaron Clay and the Division 4 staff (Wayne Schieldt, Bob Hurford and Eric Weig) to identify the backlog of stalled cases and scheduling status conferences to move those cases to closure. Laura Kalafus is the new Program Assistant responsible for filing and retrieving Water Court documents via the LexisNexis system.

This year, the Assistant Division Engineer and/or Division Engineer, physically attended 95 status conferences and four on-site or informal hearings with the Referee; two hearings with the Judge; and one court trial. 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. Wayne also attended 13 field inspections, which included meetings with water users for Water Court cases. There were a multitude of conferences with applicants, consultants and attorneys to help iron out differences with applications, engineering reports and Proposed Rulings so a decree could be entered.

### $\mathbf{D}_{\text{ITCH}} \mathbf{B}_{\text{ILL}}$

In October of 1986, the Congress of the United States created an amendment to the 1976 Federal Land Policy Management Act (FLPMA), called the 'Ditch Bill'. It grand-fathered easements for ditches used before 1976 if they are used for irrigation and stockwatering purposes and even more special protection for those created under the 1886 Mining Laws or the Act of 1891. The Bill gave ditch owners until December 31, 1996, to apply for coverage under the Act. Since the closing date, only a very few of those permit applications have been fully processed. Political tensions and indecision on how to handle these applications has kept them in limbo since 1996. Finally, in the fall of 2004, the Department of the Interior issued guidelines on procedures for processing the permits. In the spring of 2005, the USFS started



Brandon Ditch Diversion in Whitewater Basin

the fieldwork to provide the necessary information to process the applications. Their efforts were coordinated with this office, utilizing our water rights database of ditch structures to map and locate the ditches involved. The USFS was finally ready to start processing the permits in 2006. As a result, several USFS employees from the Delta Office arranged to meet with us on February 7 to discuss their plan and how to best compare their

newly collected field data to ours. They were very receptive to what we recommended and

willing to cooperate with the water users in getting the permits granted. Many of the permits were completed in 2006 and 2007. However, they have saved the most complicated permits until the last. Perhaps they can get those complex ones completed in 2008.

### THE EIS PROCESS FOR THE ASPINALL UNIT

In March of 2004, the United States Bureau of Reclamation (USBR) sent out scoping comments for the Aspinall Unit Operations Environmental Impact Statement (EIS). According to the USBR, "The EIS will develop and analyze alternative operating criteria and guidance for reservoir operations to help meet recommended flows for endangered fish while continuing to maintain the authorized purposes of the Aspinall Unit." The State of Colorado, Randy Seaholm and Michelle Garrison of CWCB, Division Engineer Wayne Schieldt, and Jay Skinner of DOW, were invited to participate in the process as cooperating agencies. Being a cooperating agency gave each of these representatives a seat at the table during the discussions. The first meeting was held on November 1, 2004.

In the initial comments to the USBR scoping documents, the State of Colorado group wrote:

"The Colorado River Storage Project act of 1956 (CRSPA) authorized the construction of the Aspinall Unit as well as other components of the CRSP. The authorized uses of water from the Aspinall Unit that must be protected in this EIS process include, among others, regulating the flow of the Colorado River, storing water for beneficial consumptive use, making it possible for the states of the Upper Basin to utilize, consistently with the provision of the Colorado River Compact, and apportionments made to and among them in the Colorado River Compact and the Upper Colorado River Basin Compact, respectively, providing for the reclamation of arid and semiarid lands, for the control of floods, and for the generation of hydropower, as an incident to the forgoing purposes. The yield of the Aspinall Unit available to assist Colorado in the development of its compact apportionment has to date been used by water users in the Gunnison River basin pursuant to the subordination agreement or as augmentation water to prevent administrative calls that would otherwise curtail some beneficial uses of water in the basin."

In summary, the State of Colorado wanted to make sure the re-operation of the Aspinall Unit "maintained its authorized purposes" and would center on maximizing the Aspinall Unit flexibility for the benefit of all the resources, not just solely to meet environmental needs. Colorado also had to ensure it could develop its Compact entitled water. Other issues were recognizing the April 2, 2003, agreement, providing flood protection, maximizing hydropower generation, maintaining the quality of the Gold Medal trout fishery in the Black Canyon of the Gunnison downstream of the Aspinall Unit, modeling the current baseline conditions, avoiding the unnecessary temperatures alterations of the releases, and addressing the depletion allowances for the Dallas and Dolores Projects.

On September 11, 2006, District Judge Brimmer issued his decision on the Black Canyon water rights. This created uncertainty with the Aspinall EIS Process. As a result, in November 2006, the USBR decided to postpone the process until the water right issues are settled. In late 2007, the USBR restated the process and outlined a very tight schedule to complete it before the end of 2008. Evidently, the folks in Washington wanted to get the process finalized before the 2008 elections and while they were still in office. The schedule seems very aggressive and it remains to be seen if it can be accomplished in that narrow timeframe.

### Gunnison Basin-wide Augmentation Plans

The Upper Gunnison River Water Conservancy District (UGRWCD) filed case 03CW049 as

a basin-wide augmentation plan to cover upper basin depletions by using Blue Mesa Reservoir. The District contracted for 500 acre-feet of Blue Mesa Reservoir water from the USBR. This plan will allow junior users to continue diversions in the event of calls from either the Gunnison Tunnel or Redlands Power Canal. A Substitute Water Supply Plan was renewed for 2005, and the final decree is still pending as of this writing. In 2007, they again renewed the Substitute



Blue Mesa Reservoir

Water Supply Plan. However, their five years expires in 2008 and they must make a special request to the Water Judge to be granted extra time. It is expected that the Judge will grant them additional time if we are close to reaching a settlement.

At issue are the well permits and augmentation plans that were granted according to our understanding of the diminimus concept involving CWCB instream flow water rights. We now correctly understand that the diminimus concept only applies to a CWCB decision to file a Statement of Opposition, not to any carve-out of their water right. Several augmentation plans and well permits were granted and drilled in the Ohio Creek basin, which is overappropriated from a call by CWCB instream flow rights. The UWRWCD proposed for us to grandfather those few wells, but that would set up a selective subordination in administration of the CWCB water rights. We have had numerous discussions and are hopefully close to a settlement.

### Gunnison Basin Roundtable

The Colorado Water for the 21<sup>st</sup> Century Act passed during the 2005 Legislative session "Concerning the Negotiation of Inter-basin Compacts Regarding the Equitable Division of the State's Waters." This Act is also known as House Bill 05-1177, now codified as Sections 37-75-101, et seq., Colorado Revised Statutes. To facilitate continued discussions within and between basins on water management issues, and to encourage locally driven cooperative solutions to water supply challenges, HB 05-1177 created nine permanent basin "Roundtables". The purpose of the Gunnison Basin Roundtable is to cooperatively act to develop long-term solutions to conserve, protect and defend the waters of the Gunnison Basin for the use, enjoyment and benefit of the people of the Gunnison Basin.

The Division Engineer or Assistant Division Engineer has attended most all regularly scheduled meetings of the Roundtable group to provide technical assistance. This has been particularly helpful to the Roundtable as the process of screening and selecting those projects that receive funding from SB 06-179 or HB1400 continues. There are 32 members of the Gunnison Basin Roundtable.

The Interbasin Compact Committee (IBCC) has two representatives from the Gunnison Basin: Bill Trampe, a rancher from Gunnison, and Marc Catlin, manager of the UVWUA. This 27-member committee was created pursuant to the Act for the purpose of facilitating the process of interbasin compact negotiations.

Each Basin Roundtable is charged with developing a basin-wide water needs assessment consisting of four parts: 1) An assessment of consumptive water needs (municipal, industrial, and agricultural); 2) An assessment of non-consumptive water needs (environmental and recreational); 3) An assessment of available water supplies (surface and groundwater) and an analysis of any unappropriated waters; and, 4) Proposed projects or methods to meet any identified water needs and achieve water supply sustainability over time.

The Gunnison Basin Roundtable continued to forge ahead in 2007 working on the first three parts of the basin-wide in parallel. The Roundtable is receiving technical assistance in the completion of part one and part two of the assessment. The State has received funding in 2007 to contract out the water availability study work to begin in 2008.

### INVOLVEMENT WITH THE COMMUNITY

Past experience 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.

### Influential Case Law, Statutes, And Projects

### BLACK CANYON NATIONAL PARK FILING

The activities over the quantification of the Black Canyon National Park water right continued in 2007. To recall the history, on January 18, 2001, the Department of Justice (DOJ) representing the National Park Service filed case 01CW05, seeking to quantify the water right that was confirmed in US v. Denver in 1982. This federal reserved water right was dated back to March 2, 1933, the date of creation of the Black Canyon National Monument (now National Park). The filing drew a record 383 Statements of Opposition.

The former Executive Director for the Department of Natural Resources, Greg Walcher, was sent to Washington D.C. to broker an agreement that would settle the case and save taxpayers the associated litigation costs. On April 2, 2003, a historic agreement was signed by directors for the US Bureau of Reclamation, National Park Service, US Fish and Wildlife Service, and the State of Colorado that settled the case. The agreement secured a federal reserved water right for the Gunnison River of 300 cfs in the Black Canyon National Park. It also stated that the CWCB would file for an instream flow water right under Colorado law for "water beyond that which satisfies present and future obligations of the authorized purposes of the Aspinall Unit". This filing was somewhat unique for the CWCB. However, it was filed in December 2003 in case 03CW265.

Environmental organizations took exception to the settlement and filed a complaint in federal court, alleging the Federal Government failed to protect the natural resources of the Black Canyon in the April 2 agreement. A motion of Stay of Proceedings, to stay the matter in Colorado Water court until the federal issues were resolved, was granted by Judge Steven Patrick in October of 2002. In November of 2003, through First Assistant Attorney General Carol Angel, we filed a Motion to Show Cause to the Colorado Supreme Court on behalf of

various Colorado State Agencies asking them to overturn Judge Patrick's motion of Stay of Proceedings.

The Colorado Supreme Court accepted the Motion and agreed to accept briefs and rule on this matter. On November 8, 2004, the Court ruled to uphold the State Water Courts matter of proceeding, finding the Water Court did not abuse its discretion in granting the stay. This matter was now solely in the hands of the Federal Court.

In response, the Colorado State and Division Engineers, along with the Colorado DOW and CWCB, the Colorado Farm Bureau, and the Colorado River Energy Distributors Association, filed a motion to intervene as Defendants in the US District Court, District of Colorado with the US Department of the Interior and National Park Service. The motion was accepted.

On May 25, 2005, the Intervener Defendants filed an opening brief claiming that the "Environmental Plaintiffs' claims are not subject to judicial review under the Administrative Procedure Act (APA), or in the alternative, that the challenged actions of the United Sates regarding the Black Canyon are not arbitrary, capricious, an abuse of discretion, or otherwise contrary to law."



Black Canyon National Park South Rim

On July 15, 2005, the Intervenor Defendants filed a brief in response to Plaintiffs' Motion to Set Aside Agency Action. In the response, the Defendants stated in part that the "Plaintiffs' Motion sets out an improperly truncated [record and] history of the decision they challenge, in an effort to breathe life into their arguments in this case." They also stated that "the Court owes deference the Federal to Defendants' construction of the statutes they are empowered to administer. ... the Federal Defendants'

interpretation of the statutes rests on their

considered judgment and are a product of their unique expertise."

Finally, on September 11, 2006, US District Judge Brimmer issued his decision. Unfortunately, it agreed with all four points raised by the environmental coalition Plaintiffs. The order held that:

- 1. The April and July 2003 agreements were subject to the NEPA process;
- 2. The agreements unlawfully delegated duties over the Black Canyon to the CWCB;
- 3. The United States unlawfully disposed of its reserved rights by claiming the quantity in the 2003 amended application; and
- 4. The agreements violated the Unites States' duties to protect the Black Canyon.

The order set aside the April and July 2003 agreements between the United States and Colorado. Judge Brimmer then remanded the reserved right quantification to the National Park Service for further action consistent with his order. Basically, the Court process now reverts back to the place it was before the April 2003 agreement.

The year 2007 started with the decision by all parties that they would not appeal Judge Brimmer's decision. The NPA then started work on all the 132 stipulations that were signed, registering them with the Court. However, the trouble started when we were reviewing the language in the stipulations and discovered that it contained selective call language that we just couldn't accept. During the next seven months, the state fought with all of the other parties to remove the selective call language from past or future stipulations. There were a lot of angry parties, thinking they had received an approval from the AG's office on the previous stipulations. Finally, at the end of July, the issues were worked out.

The Solicitor's office then appeared before Judge Patrick in a status hearing on June 29 to set a trial date, but stayed litigations for six months to negotiate a settlement. The Judge set a tenweek trial date for June and July of 2009. He decided to hold the trial in Gunnison since they had the biggest Courtroom.

The parties hired professional negotiator Chris Moore to run the mediation process, and on September 21, we had our first meeting in Denver. We then had meetings on October 11, November 9, 26, 27, December 18 and 19, 2007. On January 18, 2008, at the end of the six months of mediation, another status conference was held with Judge Patrick. The parties felt they were making significant progress, so they asked for another three months to reach a settlement. The Judge reluctantly agreed to the request while keeping the same trial date, but warned the time to prepare for trial may not be enough.

Because each party signed a confidentiality agreement prior to the negotiations, the issues cannot be discussed in this report. State officials involved in the process had dozens of meetings and phone calls to discuss issues, review proposed rulings, evaluate modeling runs and develop strategies for past and future meetings. This process had been handled exclusively by the Division Engineer in this office, and it has taken an extraordinary amount of extra time. However, the amount of time is probably small in comparison to preparing for a trial of this magnitude. If a settlement is reached, and it looks like it will be, then the time invested will be worth it.

### RICD FILING BY UGRWCD

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

The application identified a series of in-channel structures on the Gunnison River, located just below Highway 50 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 1,500 cfs for the period from May 1 to September 30.

In September of 2002, the CWCB Board held the required hearing, and after considerable deliberation, recommended the flow rights should be decreed for only 250 cfs. The UGRWCD objected to the recommendation for reduced flows. This case went to trial on September 15-17, 2003. On December 26, 2003, Judge Patrick ruled in favor of the UGRWCD, granting the flow amounts as listed in the application.

The CWCB filed an appeal to the Colorado Supreme Court, and on December 6, 2004, the Court entertained oral arguments for the case. The Supreme Court ultimately remanded the case back to Division 4 Water Court, where an agreement was reached amongst the parties to settle on revised flow rates for the RICD, ranging from 270 to 1,200 cfs over ten two-week periods from May through September.

On June 28, 2006, the UGRWCD filed an application, Case No 06CW116, for an augmentation plan to allow depletions to their RICD right up to two percent of the lowest decreed flow for only in-basin users. Since the water right was decreed, this office has not allowed any exchanges in this reach to be exercised or decreed, since the RICD flows were not met for all of 2002, and a significant portion of 2003 and 2004. The UGRWCD was getting a lot of political pressure that their RICD was not allowing development of the water uses in the upper basin, and their only alternative was to purchase augmentation water stored in Meridian Lake near Crested Butte.

The State and Division Engineers filed a Statement of Opposition to the filing stating it would cause a selective subordination. We also stated that an augmentation plan was not the proper form for this type of depletion allowance; it should be a change in water right from what was originally decreed. Comments from Attorney General Alex Davis were sent to the applicant in February 2007.

After numerous meetings and discussions, the issues were worked out in this case. The UGRWCD refiled the case as a change in water right to the original case, which essentially reduces the water right by the two percent of the lowest decreed flow, which is 5.4 cfs. The district committed to a rigorous accounting and reporting schedule so that we could keep track of the depletions that are included in this carve-out. It is anticipated that the accumulation of 5.4 cfs of deletions will take quite some time.

### Greater Efficiency In Division 4

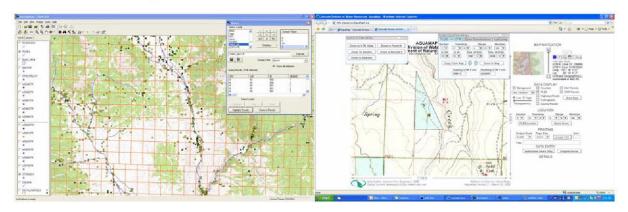
It appears that the greatest way to increase efficiency in this Division is to learn, adapt and use the latest technology that is available. This usually involves development, training and taking the extra time to learn the latest software and programs. For the most part, we never feel like we have the extra time to continually learn new programs. However, we can't afford to have this attitude; and time invested in learning the new programs eventually will result in a savings of time and a better work product. Change comes hard for some, and it is a constant challenge to encourage people to make this investment.

The use of cellular phones continues to provide a huge time and mileage savings for Division 4 operations. Water District 40 in particular has used them extensively in administering and delivering water in the most efficient means possible. The cell phone plans were consolidated into group plans and provided quite a savings in monthly expenses.

Our biggest problem is that expenses continue to rise, but our budget does not keep up the pace; more structures, mileage costs and costs of supplies continue to increase without a decrease in the workload in any area. We are constantly looking for ways of getting more done in the same amount of time at a lower cost. One of the ways we are working to

accomplish this goal is by working smarter. We use GIS tools to identify CIU active structures and color satellite imagery provided by the NRCS to determine which structures to visit and how often. Using these tools we can then find the best way to access the structures.

In the office we are striving to provide the highest level of service for the public while minimizing field visits using many of the same tools. A great potential for saving time and mileage is with the use of digital stage/discharge recorders. By having these devices replace chart type flow recorders; fewer visits to the structures are necessary. By replacing the most isolated devices, we see the greatest impact on the time and mileage per dollar spent. When it comes time to work daily flows for diversion records, the digital information can be processed easier and with less time than working charts by hand. Another of our goals is to increase the accuracy of the diversion records by automating the process of data entry from spreadsheet form into the records program.



ArcExplorer Aquamap

## A. 2007 TRANSMOUNTAIN DIVERSION SUMMARY—INFLOWS

		RECIPIENT	ENT							SOURCE
				10-YR AVERAGE	RAGE	CURRENT YR	INT YR			
WD		NAME	STREAM	AF	DAYS AF	AF	DAYS WD		OI	STREAM
40	4520	4520 Leon Lake Tunnel	Surface Cr	1365	71	1401.54	28	72	4520	Leon Cr
89	4659	4659 Mineral Pt D	Uncompahgre	06	24	0	0	30	4661	Animas R
89	4660	4660 Red Mountain	Uncompahgre	58	32	0	0	30	4662	Animas R

## B. 2007 TRANSMOUNTAIN DIVERSION SUMMARY--OUTFLOWS

11	4618	4618 Larkspur D	Arkansas R	84	63	389.0	155	28	4655	Tomichi Cr
26	702	Tarbell D	643	784	90	1169.65	140	28	4656	Cochetopa Cr
20	920	Tabor D	Clear Cr	602	136	1251.19	156	62	4600	Cebolla Cr
45	229	Divide C Highline	Divide Cr	1005	42	89.687	38	40	4657	CI Fk Muddy Cr
72	N/A	Grand Jct FL & WW	Colorado R	2009	344	1304.81	331	42	513	Kannah Cr
72	N/A	*Purdy Mesa Flowline	Colorado R	4534	319	97.676	365	42	*561	Kannah Cr
72	4713	4713 Redlands Can	Colorado R	491782	318	57.7047.75	698	42	541	Gunnison
72	4712	4712 Fruita Pl	Colorado R	0	0	0	0	73	507	East Cr

<sup>\*10</sup> Yr average includes water delivered through Hallenbeck R #1 (ID3618) until 2005

U.D	E	PESEDVOID NAME	SOUPCE STREAM	MINIMUM	UM	MAXIMUM	UM	FND VP
				17.7		TV		
28	3590	Hot Springs R	Hot Springs Cr	171.7	8/1/2007	603.0	5/1/2007	334.7
28	3591	McDonough #1	Los Pinos Cr	313.4	10/31/2007	805.2	5/1/2007	313.4
28	3592	McDonough #2	Los Pinos Cr	13.0	10/31/2007	673.2	6/1/2007	13.0
28	3593	Needle Creek	Needle Cr	387.7	11/1/2006	848.6	5/1/2007	579.9
28	3674	Peterson Res	Razor Cr	51.91	7/1/2007	83.36	5/1/2007	83.36
28	3594	Upper Dome R	Cochetopa Cr	669.26	11/1/2006	880.2	5/1/2007	880.2
28	3595	Vouga Res	Razor Cr	345.0	10/1/2007	910.0	5/1/2007	370.0
40	3300	Alexander Lake	Ward Creek	113.8	10/1/2007	157.00	11/1/2006	113.8
40	3301	Arch Slough	Ward Cr	48.58	10/31/2007	61.06	6/1/2007	48.58
40	3412	Ault Res	Muddy Cr	0	11/1/2006	116.0	5/15/2007	9.0
40	3420	Bailey Res	Leroux Cr	200	11/1/2006	430	5/11/2007	0
40	3391	Bald Mt Res	Crystal Cr	0	8/30/2007	68	6/28/2007	0
40	3302	Barren Lake	Kiser Cr	195.98	10/31/07	0.008	4/17/2007	195.98
40	3450	Basin #1	Dirty George C	0.00	11/1/2006	80.34	6/6/2007	0.00
40	3451	Basin #2	Dirty George C	0.00	11/1/2006	32.0	6/14/2007	0.00

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3452	Battlement 1	Dirty George C	87.40	11/1/2006	87.40	11/1/2006	87.40
40	3453	Battlement 2	Dirty George C	633.07	9/2/2007	637.44	6/3/2007	633.07
40	3368	Beaver Dam	Escalante Cr	48.84	10/1/2007	396.50	7/1/2007	48.84
40	3460	Beaver Res	Minnesota Cr	0.00	11/1/2006	0	10/31/2007	0.00
40	3341	Bonita	Surface Cr	185.68	11/1/2006	285.77	5/16/2007	283.5
40	3392	Bottle Stomp R	Iron Cr	0.00	9/1/2007	17	8/1/2007	0
40	3303	Boulder Lake 1	Ward Cr	0.00	11/1/2006	0.00	7/1/2007	0.00
40	3421	Brockman 1 R	Leroux Cr	0.00	11/1/2006	16.20	5/11/2007	0
40	3422	Brockman 2 R	Leroux Cr	0.00	11/1/2006	41	5/11/2007	0
40	3413	Bruce Park Res	Terror Cr	0	11/1/2006	556.0	5/1/2007	12.60
40	3304	Bull Finch 1	Kiser Cr	0	8/29/2007	72.42	7/1/2007	0
40	3305	Bull Finch 2	Kiser Cr	0	8/17/2007	16.24	8/1/2007	0
40	3342	Cabin Lake	Surface Cr	0.00	11/1/2006	27.05	5/8/2007	0.00
40	3378	Calumet	Surface Cr	0.00	11/1/2006	0	7/1/2007	0.00
40	3366	Carbonate Cmp 3	Surface Cr	0.00	11/1/2006	5.8	5/28/2007	0.00
40	3306	Carbonate Cmp 6	Youngs Cr	15.85	8/1/2007	129.58	6/4/2007	15.85

WD		RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3307	Carbonate Cmp 7	Youngs Cr	0.00	11/1/2006	100.98	6/4/2007	28.96
40	3423	Carl Smith R	Leroux Cr	270.00	11/1/2006	920	4/15/2007	304
40	3343	Cedar Mesa	Surface Cr	198.05	11/1/2006	902.0	5/17/2007	322.28
40	3370	Clark Res	Oak Cr	4.06	8/21/2007	43.80	11/1/2006	5.67
40	3379	Cole 1	Surface Cr	0.00	11/1/2006	19.4	6/1/2007	0.00
40	3380	Cole 2	Surface Cr	0.00	11/1/2006	27.0	5/30/2007	0.00
40	3381	Cole 3 (Chy Ln)	Surface Cr	0.00	11/1/2006	35.25	6/1/2007	0.00
40	3344	Cole 4	Surface Cr	0.00	11/1/2006	17.0	5/16/2007	0.00
40	3345	Cole 5	Surface Cr	0.00	11/1/2006	116.23	5/8/2007	0.00
40	3553	Crawford Res	Smith Fork	4556	9/28/2007	14500	4/30/2007	5110
40	3308	Daniels S1	Kiser Cr	111.97	10/31/2007	236.8	6/1/2007	111.97
40	3309	Deep Slough	Ward Cr	19.42	11/1/2006	464.52	5/1/2007	58.8
40	3310	Deep Ward	Ward Cr	651.3	10/31/2007	1520.0	7/1/2007	651.3
40	3346	Deserted Park	Surface Cr	0	11/1/2006	27.96	5/28/2007	0.00
40	3424	Dog Fish Res	Leroux Cr	0	11/1/2006	243	6/4/2007	0
40	3394	Don Meek 1	Crystal Cr	25	10/31/2006	30	4/18/2007	25

WD	Œ	RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3311	Donnelly Sl	Kiser Cr	80.78	10/1/2007	276.97	11/1/2006	80.78
40	3382	Doughty 1	Surface Cr	0.00	11/1/2006	0.00	7/1/2007	0.00
40	3383	Doughty 2	Surface Cr	0.00	11/1/2006	0.00	7/1/2007	0.00
40	3425	Dowdy Res	Leroux Cr	5.00	11/1/2006	283.00	5/11/2007	280
40	3347	Dreyfus	Surface Cr	0.00	11/1/2006	42.50	5/8/2007	0.00
40	3373	Dugger Res	Oak Cr	92.3	10/30/2007	212.10	11/1/2006	92.3
40	3414	East Beckwith	Anthracite	228.76	10/1/2007	355.0	11/1/2006	228.76
40	3312	Eggleston Lake	Kiser Cr	1044.8	10/31/2007	2629.94	5/1/2007	1044.8
40	3348	Elk Park	Surface Cr	39.53	11/1/2006	96.83	5/3/2007	96.83
40	3427	Elk Wallows R	Leroux Cr	0.00	11/1/2006	168.00	5/11/2007	0.00
40	3426	Ella Res	Leroux Cr	0.00	11/1/2006	87.0	5/11/2007	0.00
40	3428	Ellington Cook	Leroux Cr	0.00	11/1/2006	22	6/21/2007	0.00
40	3549	Eureka 1	Youngs Cr	0.00	11/1/2006	27.10	5/2/2007	0.00
40	3349	Eureka 2	Youngs Cr	0.00	11/1/2006	53.47	5/14/2007	0.00
40	3429	Fairmont Park	Leroux Cr	0.00	11/1/2006	30.00	6/21/2007	0.00
40	3430	Fairmont Res	Leroux Cr	0.00	11/1/2006	75	6/20/2007	0.00

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3350	Fish Lake	Surface Cr	24.19	7/1/2007	76.93	5/8/2007	24.19
40	3431	Fisher Res	Leroux Cr	0.00	11/1/2006	10.00	6/4/2007	0.00
40	3313	Forrest	Ward Cr	0	11/1/2006	57.47	6/1/2007	0.00
40	3365	Fruitgrowers	Alfalfa Run	0	10/29/2007	5484.6	5/30/2007	22
40	3395	Fruitland Res	Crystal Cr	0	8/30/2007	9177	4/25/2007	529
40	3314	Goodenough	Kiser Cr	53.16	10/31/2007	152.0	5/2/2007	53.16
40	3432	Goodenough #2 Res	Leroux Cr	138.00	11/1/2006	514	6/4/2007	410
40	3454	Granby 5-11	Dirty George C	207.2	10/2/2007	775.00	5/2/2007	278.9
40	3455	Granby 6	Dirty George C	9.18	10/29/2007	45.98	5/3/2007	9.18
40	3456	Granby 7	Dirty George C	43.98	10/29/2007	76.08	5/3/2007	43.98
40	3457	Granby 8	Dirty George C	0	10/31/2007	6.15	11/1/2006	0
40	3458	Granby 9	Dirty George C	33.78	10/29/2007	71.97	5/2/2007	33.78
40	3459	Granby 12	Dirty George C	405.88	9/13/2007	544.77	11/1/2006	410.03
40	3433	Gray Res	Leroux Cr	20.00	11/1/2006	424.00	5/11/2007	424
40	3351	Greenwood	Surface Cr	0.00	11/1/2006	47.97	6/3/2007	0.00
40	3384	Hale	Surface Cr	0.00	11/1/2006	0.00	7/1/2007	0.00

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40	3435	Hanson #2 Res	Leroux Cr	0.00	11/1/2006	128.00	5/17/2007	0.00
40	3460	Hartman	Leroux Cr	0.00	11/1/2006	10.70	5/11/2007	0.00
40	3436	Holy Terror R	Terror Cr	0.00	11/1/2006	146.00	6/13/2007	0
40	3315	Hotel Twin L	Ward Creek	315.8	10/31/2007	548.70	4/6/2007	315.8
40	3316	Howard	Kiser Cr	35.55	5/1/2007	49.25	6/1/2007	47.3
40	3467	Hunt Res	Leroux Cr	10.00	7/15/2007	90.00	5/4/2007	10.00
40	3317	Island Lake	Ward Cr	727.84	11/1/2006	1358.26	6/1/2007	752.56
40	3884	Kathy's Res	Muddy Cr	0	11/1/2006	21.8	5/1/2007	8.10
40	3352	Kehmeier	Surface Cr	5.94	11/1/2006	298.89	5/3/2007	57.86
40	3318	Kennicott Sl	Kiser Cr	0.00	11/1/2006	1024.93	6/12/2007	0.00
40	3319	Kiser Slough	Surface Cr	0.00	11/1/2006	512.00	5/1/2007	182.32
40	3353	Knox	Surface Cr	40.98	11/1/2006	213.13	5/2/2007	81.81
40	4520	Leon Lake	Leon Cr	0	10/31/2007	1270.86	7/1/2007	0
40	3385	Leon Park	Surface Cr	0.00	11/1/2006	108.42	6/1/2007	0.00
40	3320	Lilly Pad	Youngs Cr	0.00	11/1/2006	28.83	6/4/2007	0.00
40	3321	Little Gem	Ward Cr	103.56	10/31/2007	211.5	5/1/2007	103.56

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3386	Little Giant 1	Surface Cr	0.00	11/1/2006	44.36	6/1/2007	0.00
40	3387	Little Giant 2	Surface Cr	0	11/1/2006	0	7/1/2007	0
40	3322	Little Grouse	Youngs Cr	16.11	10/1/2007	52.50	11/1/2006	16.11
40	3407	Lone Cabin R	Minnesota Cr	0.00	7/27/2007	127.00	5/1/2007	0.00
40	3714	Lucas Cline R	Reynolds	0.00	6/20/2007	9.00	5/1/2007	0.00
40	3438	Lucky Find Res	Leroux Cr	0.00	11/1/2006	66.00	5/17/2007	0.00
40	3388	Marcott	Surface Cr	0	11/1/2006	402.23	6/1/2007	0.00
40	3323	McKoon	Youngs Cr	40.88	10/31/2007	147.86	6/3/2007	40.88
40	3397	Meek Res	Iron Cr	0	7/31/2007	29	5/26/2007	0
40	3354	Military	Surface Cr	62.12	8/1/2007	236.60	5/3/2007	62.12
40	3439	Miller Res	Leroux Cr	0.00	11/1/2006	20.00	6/4/2007	0.00
40	3408	Monument Res	Minnesota Cr	0.00	7/24/2007	442.00	6/11/2007	0.00
40	3374	Morris 2	Oak Cr	0	8/21/2007	16.33	11/1/2006	16.33
40	3399	Overland Res 1	Muddy Cr	0.00	8/20/2007	6200.00	6/16/2007	800
40	3440	Owens Res	Leroux Cr	0.00	11/1/2006	92.00	6/20/2007	0.00
40	3416	Paonia Res	Muddy Cr	1130	9/10/2007	17040	5/14/2007	2030

WD		RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3355	Park	Surface Cr	1126.68	10/31/2007	3383.40	5/7/2007	1126.68
40	3441	Patterson #1 Res	Leroux Cr	0.00	11/1/2006	52.00	4/15/2007	0.00
40	3442	Patterson #2 Res	Leroux Cr	10.00	11/1/2006	132.00	4/15/2007	30.00
40	3324	PC&G1	Kiser Cr	0	8/20/2007	22.89	5/24/2007	0
40	3325	Pedro	Youngs Cr	87.31	11/1/2006	182.09	6/1/2007	80.08
40	3326	Pine	Youngs Cr	0	11/1/2006	6.77	5/30/2007	0
40	3443	Pine Cone Res	Leroux Cr	0.00	11/1/2006	37.00	6/20/2007	0.00
40	3375	Pitcarin Res	Doughspoon Cr	5.0	7/17/2007	75.95	11/1/2006	29.0
40	3400	Poison Spr Res	Gunnison R	40	9/1/2007	99	6/1/2007	40
40	3376	Porter 1	Oak Cr	37.2	10/30/2007	201.76	11/1/2006	37.2
40	3377	Porter 4	Oak Cr	31.7	8/21/2007	38.00	11/1/2006	38.00
40	3327	Prebble	Youngs Cr	104.41	9/3/2007	131.21	7/1/2007	104.41
40	3409	Reynolds Res	Bell Creek	20.00	9/28/2007	100.00	5/1/2007	0.00
40	3444	Reynolds Res	Leroux Cr	0.00	11/1/2006	176.00	6/21/2007	0.00
40	3445	Rex Res	Terror Cr	0.00	11/1/2006	8.5	6/13/2007	0.00
40	3328	Rim Rock Lake	Ward Cr	0.00	11/1/2006	107.90	5/1/2007	0.00

WD	ID	RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3329	Rockland	Ward Cr	0.00	11/1/2006	21.31	7/2/2007	0.00
40	3401	Rockwell 1 R	Iron Cr	110	9/15/2007	118.50	5/1/2007	110
40	3410	Roeber Res	Reynolds	0.00	6/20/2007	44.00	5/1/2007	0.00
40	3356	Round Lake	Surface Cr	0.00	11/1/2006	11.62	7/2/2007	0.00
40	3330	Ryan	Youngs Cr	0.00	11/1/2006	0.00	7/1/2007	0.00
40	3357	Sackett	Surface Cr	65.87	8/1/2007	110.0	5/24/2007	65.87
40	3331	Safety 1 & 2	Cottonwood Cr	0.00	11/1/2006	25.27	5/4/2007	0.00
40	3332	Scotland Peak	Ward Cr	0.00	11/1/2006	43.12	6/24/2007	0.00
40	3333	Sheep Lake	Ward Cr	0	7/12/2007	154.00	11/1/2006	0
40	3446	Skim Milk	Leroux Cr	0.00	11/1/2006	70.00	6/4/2007	00.00
40	3544	Skinned Horse	Ward Cr	4.0	8/20/2007	17.0	5/1/2007	4.0
40	3417	Spatafora Res	Muddy Cr	0	11/1/2006	99	5/10/2007	0
40	3358	Stell	Surface Cr	15.08	11/1/2006	56.24	6/17/2007	18.12
40	3402	Todd Res	McDonald Cr	0	11/1/2006	0	10/31/2007	0
40	3418	Tomahawk Res	Muddy Cr	0	10/31/2007	88	11/1/2006	0
40	3389	Trickle	Surface Cr	0.00	11/1/2006	32.69	5/1/2007	0

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WD	ID	RESERVOIR NAME	SOURCE STREAM	AF	DATE	AF	DATE	END YR
40	3359	Trio	Surface Cr	45.52	11/1/2006	164.3	5/17/2007	46.3
40	3360	Twin Lake 1	Surface Cr	0.00	11/1/2006	40.0	7/1/2007	0
40	3361	Twin Lake 2	Surface Cr	43.4	8/6/2007	110.22	5/24/2007	43.4
40	3403	Tyler Res	Iron Cr	150	10/31/2007	169	4/18/2007	150
40	3466	Upper Eggleston	Kiser Cr	43.20	10/31/2007	232.5	5/1/2007	43.20
40	3334	Upper Hotel L	Ward Cr	11.03	11/1/2006	98.11	7/1/2007	91.85
40	3362	Vela	Surface Cr	158.11	11/1/2006	436.62	5/3/2007	287.81
40	3335	Ward Cr	Ward Cr	31.03	10/31/2007	284.42	1/11/2007	31.03
40	3447	Wash Tub Res	Leroux Cr	0.00	11/1/2006	29.00	6/4/2007	0.00
40	3448	Water Bug R	Leroux Cr	0.00	11/1/2006	40.00	6/4/2007	0.00
40	3363	Weir/Johnson 2	Surface Cr	296.88	11/1/2006	575.58	6/1/2007	431.46
40	3364	Weir Park	Surface Cr	0.00	11/1/2006	40.73	5/8/2007	0.00
40	3411	West Res	Jay Cr	200	9/1/2007	268	5/18/2007	200
40	3419	Williams Cr Lake	Muddy Cr	40.50	10/1/2007	100.0	11/1/2006	06
40	3449	Willow Res	Leroux Cr	0.00	11/1/2006	128.00	6/20/2007	0.00
40	3336	Womack 1	Ward Cr	0.00	7/16/2007	193.20	4/28/2007	0

WD		RESERVOIR NAME	SOURCE STREAM	MINIMUM AF D	UM DATE	MAXIMUM AF D	UM DATE	END YR
40	3337	Womack 2 & 3	Cottonwood Cr	0.00	11/1/2006	114.76	5/1/2007	0
40	3340	Womack 5	Cottonwood Cr	0.00	11/1/2006	3.61	5/9/2007	0.00
40	3390	Y&S	Surface Cr	52.42	11/1/2006	158.39	6/28/2007	60.42
40	3338	Young Cr 1 & 2	Youngs Cr	57.92	9/1/2007	412.99	6/4/2007	57.92
40	3339	Youngs Cr 3	Youngs Cr	96.03	9/1/2007	200.62	11/1/2006	96.03
42	3600	Anderson R 1	Kannah Cr	0.00	11/1/2006	479	7/2/2007	441
42	3601	Anderson R 2	Kannah Cr	157	9/20/2007	563	11/1/2006	168
42	3630	Anderson R 6	Kannah Cr	0.00	11/1/2006	48	7/31/2007	0.00
42	3602	Bolen AJ R	Kannah Cr	0.00	11/1/2006	206	7/2/2007	0.00
42	3603	Bolen Res	Kannah Cr	0.00	9/30/2007	505	6/26/2007	0
42	3604	Carson Lake	Kannah Cr	653	11/1/2006	653	10/31/2007	653
42	3626	Cheney Res.	King Cr.	245	11/1/2006	550	6/5/2007	286
42	3606	Deep Cr R 2	Kannah Cr	0.00	11/1/2006	283	7/2/2007	0
42	3607	Dry Cr R Sup	Kannah Cr	0.00	11/1/2006	219	6/24/2007	0

END YR 0.00 0.00 5421 0.00 148 731 9/ 36 79 0 0 0 0 0 11/1/2006 6/11/2007 4/30/2007 5/20/2007 3/31/2007 1/31/2007 6/11/2007 4/20/2007 6/4/2007 7/2/2007 7/2/2007 7/2/2007 7/2/2007 7/2/2007 DATE MAXIMUM 6897.00 153.00 123.30 271.00 292 258 189 374 109 187 709 411 106 877 11/30/2006 10/30/2007 10/31/2007 11/1/2006 11/1/2006 11/1/2006 11/1/2006 11/1/2006 11/1/2006 11/1/2006 9/20/2007 10/1/2007 10/1/2007 1/31/2007 DATE MINIMUM 25.00 0.00 0.00 5330 0.00 0.00 0.00 0.00 295 AF36 73 79 0 0 SOURCE STREAM Gulch/Slate River Whitewater Cr Washington Kannah CR Slate River Kannah Cr East Cr RESERVOIR NAME Meridian Lake Park Grand Mesa R 6 Grand Mesa R 8 Grand Mesa R 9 Grand Mesa R 1 Hallenbeck R 1 Hallenbeck R 2 Flowing Pk R Somerville R Scales Res 3 Fruita Res 2 Scales Res 1 Juniata Res Lake Grant 3608 3610 3614 3615 3616 3618 3619 3684 3617 3620 3624 3625 2689 3623 WD 42 45 42 42 42 42 42 42 42 42 42 59 42 59

	END YR
AXIMUM	DATE
MAXIM	AF
IUM	DATE
MINIMUN	AF
	SOURCE STREAM
	RESERVOIR NAME
	WD

WD	П	RESERVOIR NAME	SOURCE STREAM	AF	DATE	AF	DATE	END YR
59	3663	Meridian Lake Res.	Washington Gulch	337.64	11/13/2007	366.4	5/14/2007	337.64
59	3665	Spring Creek	Taylor River	1202	10/4/2007	1631	6/19/2007	1202
59	3666	Taylor Park	Taylor River	76366	10/15/2007	104486	6/19/2007	77584
09	3507	Gurley Res	Maverick Draw	2387.0	10/1/2007	10039	5/22/2007	2570
09	3510	Lilylands Res	Naturita Cr	148	10/31/2008	494	5/9/2007	148
09	3511	Lone Cone Res	Naturita Creek	0.00	10/31/2007	1660	4/16/2007	0
09	3512	Miramonte Res	Naturita Cr	9069	8/24/2007	0069	5/12/2007	0099
09	3519	Paxton Res	Horsefly Cr	0		0		0
09	3527	Trout Lake Res	Lake Fork	1448	4/19/2007	3314	8/1/2007	2649
	3							
61	3551	Buckeye R	Buckeye Cr.	431	9/28/2007	2412	4/9/2007	547
62	3532	Blue Mesa	Gunnison R	488241	3/12/2007	786646	7/2/2007	649,140
62	3578	Crystal	Gunnison R	12538.00	1/27/2007	17243.00	6/20/2007	14815.0

MAXIMUM AE BATE MINIMUM

WD	П	RESERVOIR NAME	SOURCE STREAM	AF	DATE	AF	DATE	END YR
62	3545	Morrow Pt	Gunnison R	102524.0	10/5/2007	116807.0	9/29/2007	109679
62	3548	Silverjack	Big Cimarron	5691.0	9/16/2007	13234	5/15/2007	6294
63	3643	Casto Res	West Cr	3.0	10/31/2006	503.34	5/31/2007	0
63	3644	Craig Res 1	West Cr	2	10/31/2006	352.43	5/4/2007	8
63	3640	Craig Res 2	West Cr	212.90	10/31/2006	624.00	5/24/2007	146.63
89	3675	Ridgway	Uncompahgre R	65545	11/01/2006	85714	2007/60/90	79092
73	3612	Duval Res	Chiquito Dol.	29.59	10/31/2006	102.40	5/31/2007	33.78

## 2007 WATER DIVERSION SUMMARIES

							_	_					
	Average AF Per Acre	6.54	6.80	96'2	6.48	17.75	1.84	5.4	6.26	10.75	7.17	3.90	7.55
TO IRRIGATION	Number of Acres Irrigated	27884	76145	83395	4565	32420	40592	2873	22176	2260	16940	1910	311160
	Total Diversions, (AF)	196701	453700	647853	22533	372458	96530	9469	127220	20209	112186	5276	2064135
	Total Diversions to Storage, (AF)	0	70042	441	5859	64783	28564	5437	822761	1413	26776	83	1026158
ALL STRUCTURES	Total Diversions, (AF)	199894	560331	963212	614094	823481	151468	16478	2808851	21100	153905	5304	6318118
ALL	Estimated # of recorded readings at Structure	2925	11414	2347	2815	1876	1067	513	3901	1023	2504	246	30631
	No Record (5)												
PORTING	No Info Avail. (4)	28	88	18	5	31	34	14	<u></u>	3	27	3	262
STRUCTURES REPORTING	No Water Taken (3)	54	279	22	6	100	92	9	54	21	55	10	989
STRUCT	No Water Avail. (2)	19	9	0	0	2	0	0	9	0	6	0	42
	With Record (1)	247	1005	52	02	267	162	26	208	64	176	25	2302
	ΩM	28	40	41	42	59	09	61	62	63	89	73	ТОТ

Definitions: (1) Count of structures with daily or infrequent diversion records (2) Count of structures with NUC=B (3) Count of structures with NUC=(A, C, D) (4) Count of structures with NUC=(E, F)

## 2007 WATER DIVERSION SUMMARIES TO VARIOUS USES

STOCK	0	13144	2857	0	0	498	928	7803	0	8750	8	23987
HOUSE HOLD USE ONLY	0	0	0	0	0	0	0	7	0	0	0	7
DOMESTIC	0	1101	0	64	17	100	0	0	0	96	0	1377
FIRE	0	0	0	0	0	0	0	0	0	0	0	0
FISHERY	1632	12737	2593	0	2209	0	0	10935	0	669	0	34674
RECREATION	0	0	195	0	277979	0	0	0	0	598	0	278772
INDUSTRIAL	0	1045	0	564	0	1797	0	0	0	0	0	3405
COMMERCIAL	0	2	0	0	0	0	0	0	0	2	0	4
MUNICIPAL	0	4597	313144	31	2873	928	0	562	0	2474	0	324609
EXPORT FROM STATE	0	0	0	0	0	0	0	0	0	0	0	0
TRANS- BASIN OUTFLOW	0	0	0	308	0	0	0	364426	0	0	0	364734
TRANS MOUNTAIN OUTFLOW	1559	784	0	583508	0	0	0	1234	0	0	0	587084
WD	58	40	41	42	59	09	61	62	63	89	73	TOT

# 2007 WATER DIVERSION SUMMARIES TO VARIOUS USES, continued

											8
WD	AUGMENTATION	EVAPO- RATION	FEDERAL	GEOTHERMAL	SNOWMAKING	MIN STREAM FLOW	POWER	WILDLIFE	RECHARGES	ALL BENEFICIAL USE	отнек
28	0	2	0	0	0	0	0	0	0	0	0
40	263	4878	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0	0	0
42	0	1503	0	0	0	0	0	0	0	0	0
69	7.1	3229	0	0	281	95712	0	0	0	0	0
09	0	0	0	0	47	0	23005	0	0	0	0
61	0	0	0	0	0	0	0	0	643	0	0
62	0	59824	0	0	0	0	1414079	0	0	0	0
63	0	180	0	0	0	0	26	0	0	0	0
89	0	2283	0	0	0	0	0	41	0	0	0
73	0	12	0	0	0	0	0	0	0	0	0
TOT	334	71912	0	0	328	95712	1437110	41	643	0	0

### 2007 Water Court Activities

223

Applications for Decrees

The action of the state of the		
Consultations with Referee		229
Decrees Issued by Water Court		308
Dismissals		20
Complaints		0
	Structures	Cases
New Conditional Water Rights Filed	83	46
New Absolute Water Rights Filed	170	98
New Diligence on Conditional Rights Filed	84	49
New Change of Water Rights Filed	55	26
New Conditional to Absolute Apps Filed	61	27
New Augmentation Plans Filed	15	15
Cancellations of Conditional Rights	58	27
Underground Water Rights Adjudicated	69	35
Surface Water Rights Adjudicated	421	233
Water Storage Rights Adjudicated	145	87
Plans for Augmentation Adjudicated	42	38
Change of Water Rights / Use Adjudicated	45	33
In-stream Flow Rights Adjudicated	7	7

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.
Water District 28							
Razor Creek	Razor Creek Ditch	10737.00000	4/9/2007	Season	Greg Peterson	Snyder Ditches No. 1 & 2	11109.00000
	Kennedy No 1 & 2	10743.00000					
	Hirdman D 1 2 3	10301.00000					
	1111 William L., 1, 2, 3	10737.00000					
Stubbs Gulch	Graham Ditch	38822.36311	4/7/2007	6/12/2007	Don and Zeta Graham	None	None
Water District 40							
Alfalfa Run	Circle Ditch	25807.17968	4/24/2007	Season	Ed Robirds	Stell Enlargement Ditch	25807.23345
Clear Fork	Clear Fork Ditch	13084.00000	4/23/2007	Season	Luce Pipher	Virginia Ditch	19413.13867
Crystal Creek	Cedar Canyon Iron Sp	12350.00000	6/8/2007	Season	LeRoy McLaughlin	Fruitland Canal	21263.18764
Dirty George Creek	Cedar Park Ditch	20501.14143	9/2/2007	Season	Hugh Sanberg	Granby Ditch	20501.16192
Dirty George Creek	Eagle Ditch	21341.00000	6/13/2007	Season	Grant Baker	Cedar Park Ditch	29260.21090
Dirty George Creek	Granby Ditch	20501.16192	6/16/2007	Season	Paul Thompson	Olbert Ditch	21263.17258
Dirty George Creek	Granby Ditch	20501.16192	7/19/2007	Season	Paul Thompson	Cedar Park Ditch	20501.16496
Dirty George Creek	Olbert Ditch	21263.17258	6/11/2007	Season	Nate Hawkins	Eagle Ditch	21341.00000
Dirty George Creek	Olbert Ditch	21263.16102	10/7/2007	Season	Nate Hawkins	Eagle Ditch	21341.00000
Dirty George Creek	Sand Creek	20501.14737	6/19/2007	Season	Bob Osborn	Granby Ditch	20501.16192
Dry Creek	Dry Creek Ditch	11840.00000	5/25/2007	31 days	Gordon Habenstrite	Evergreen	4529.23010
Dry Creek	Gallant Ditch	21089.17503	6/11/2007	Season	Bud Burgress	P&S Ditch	44194.19936
Dry Creek	Welch Ditch	21089.12205	6/23/2007	Season	Eunice Ward	Current Creek #1	21089.19083
Forked Tongue Creek	Forked Tongue Ditch	13399.00000	6/24/2007	Season	Joe Siegrist	Edgar Ditch	24894.19492
Happy Hollow	H.J. Neighbors	21263.15308	7/2/2007	Season	Carlson	Childs Run	24894.13635
Happy Hollow	Lucky #2	20501.17258	7/3/2007	Season	Geyer	H.J. Neighbors	21263.15308

Admin # of the Most Senior Curtailed Struct.	16072.00000	25807.14414	20501.13372	20501.13301	13377.00000	20501.17114	12285.00000	31924.31197	21089.16527	21263.17451	54855.00000	19415.17059	19415.16770	21263.18788	12182.00000	13120.00000	13514.0000	12881.00000	13704.00000	20501.13574	20501.17790	20501.14366	14413.12764	25807.18748	21263.15919
Most Senior Curtailed Structure	Terror Ditch Extension	RD Bluff G11	Big Ditch #23	Roseberry	Kiser #9	Japan Ditch	Leroux Creek Water Users	Jessie Ditch	Leroux Creek Exchange Water Users	Turner Ditch	Chipeta Spring #1	Fire Mtn. Canal	Stewart Ditch	Saddle Mtn and Highline	Orchard Ranch	Eric Johnson	Bonita	Forest	Forest	Trickle Ditch	Lone Pine Ditch	Horseshoe Ditch	Terror Ditch	Terror Ditch	Overland Ditch
Person Placing Call	Bob Barnes	Rod Cadwell	Knutson	Kissnfer	Sodowsky	Fogg	Candy	Tom Rountree	Jim Harris	Willie Kistler	John Stroh	Olin Lund	Bill Carpenter	Bill Linman	B. D. Bookout	Jeff Widnener	Jene Young	Ed Roberson	Ruth Peterson	Bill Kissner	Les Mergleman	Mel Smith	Robert Beauter	Bob Church	Richard Ruden
Duration of Call	10/13/2007	Season	Season	Season	Season	Season	11/1/2007	11/1/2007	11/1/2007	Season	11/1/2007	9/9/2007	10/24/2007	Season	Season	Season	Season	Season	Season	Season	Season	Season	Season	Season	Season
Date of Call	9/10/2007	6/24/2007	6/13/2007	6/30/2007	7/2/2007	6/25/2007	6/28/2007	4/22/2007	4/15/2007	6/25/2007	4/1/2007	7/5/2007	10/6/2007	5/29/2007	6/30/2007	6/12/2007	6/11/2007	6/24/2007	<i>6/7/2007</i>	6/3/2007	5/20/2007	5/27/2007	6/5/2007	4/16/2007	20/5/9
Admin # of Calling Structure	14915.00000	24894.19492	20301.17114	13377.00000	13356.00000	20501.13301	12276.00000	19415.15584	21089.15919	14413.13758	48759.00000	14413.12114	14567.00000	13076.00000	11674.00000	13112.00000	13120.00000	12876.00000	13615.00000	20501.13331	20501.16527	20501.13574	12370.00000	21263.15919	14413.12764
Name of Calling Structure	Deer Trail Ditch	Edgar Ditch	Japan Ditch	Kiser Ditch	Lakefork	Roseberry	Cow Creek Ditch	Duke Ditch	Overland Ditch	Minnesota Canal	Crystal Springs Ranch Ditch	Paonia Ditch	Short Ditch	Crawford Clipper Ditch	Alfalfa	Butte	Eric Johnson	Fogg	Horseshoe Ditch	Paradise Ditch	Rose Ditch	Trickle Ditch	Holybee Ditch	Overland Ditch	Terror Ditch
Stream Affected	Hubbard Creek	Kiser Creek	Kiser Creek	Kiser Creek	Kiser Creek	Kiser Creek	Leroux Creek	Leroux Creek	Leroux Creek	Minnesota Creek	North Fork Gunnison	North Fork River	North Fork River	Smith Fork Creek	Surface Creek	Surface Creek	Surface Creek	Surface Creek	Surface Creek	Surface Creek	Surface Creek	Surface Creek	Terror Creek	Terror Creek	Terror Creek

Admin # of the Most Senior Curtailed Struct.	20501.13372	20501.15066	24894.18748	20501.16192	13877.00000	13254.00000	20501.17636	20501.14854	20501.14413	a :	N/A	27184.21672		52950.00000	12724.00000		38224.00000	38224.00000	38224.00000	30667.19195	49308.49144	18876.00000
Most Senior Curtailed Structure	Surface Creek Ditch	Sunrise Ditch Todd Ditch	Bryson Ditch	Granby Ditch (Ward)	Santa Fe #17	Broncho	Lookout	Childs #28	Santa Fe #25	8	N/A	Tierra Colorado Ditch		Juniata 1st Enlgd	Kannah Creek Ext. Ditch		Spann Nettick	Spann Nettier	Spann Nettick	Lafayette Ditch	River Green CBP Well	Rozich Ditch
Person Placing Call	Stub Liles	Faul I hompson Bob Osborn	Jack Arney	Quintan Ladner	Bob Anderson	Chann Fogg	Chann Fogg	Todd Betz	Todd Betz		Gary Pope	Mardell Sanders		Dan Vanover	Dan Vanover		Wayne Meredith	Bill Lacy	Bill Lacy	Doug Washburn	Jeff Baessler	Bill Lacy
Duration of Call	1 week	Season	Season	Season	Season	Season	Season	Season	Season		Season	88 days		5 months	7 months		71 days	70 days	70 days	106 days	12/31/2007	132 days
Date of Call	6/11/2007	7/13/2007	6/25/2007	6/30/2007	6/19/2007	7/29/2007	6/11/2007	6/15/2007	6/18/2007		5/18/2007	3/19/2007		11/1/2006	4/1/2007		8/22/2007	8/23/2007	8/23/2007	7/11/2007	8/21/2007	6/22/2007
Admin # of Calling Structure		13437.00000	20501.18185	20501.15066	13254.00000	13141.00000	20501.14854	20501.14413	13877.00000	0	24221.22524	24221.22524		30895.28975	11687.00000		35245.00000	19509.00000	39252.00000	27585.12540	47558.00000	18394.00000
Name of Calling Structure	Carbon Ditch	Granby Ditch from Ward Sandstone Bluff	Sunrise Ditch	Todd Ditch	Broncho	Childs	Childs Ditch	Santa Fe	Santa Fe		Mock Feeder Ditch	Albush Ditch		Grand JCT FL & WW	Grand JCT FL & WW		Coal Creek Ditch	McCormick Ditch	McCormick Ditch	East River #2 Ditch	Slate River – CWCB	Breem Ditch
Stream Affected	Ward Creek	Ward Creek	Ward Creek	Ward Creek	Youngs Creek	Youngs Creek	Youngs Creek	Youngs Creek	Youngs Creek	Water District 41	Dolores Creek	Horsefly Creek	Water District 42	Kannah Creek	Kannah Creek	Water District 50	Coal Creek	Coal Creek	Coal Creek	East River	Slate River	Washington Gulch

Most Senior Curtailed Most Senior Structure Curtailed Struct.	Meridian Ditch 26230.22082		tch 26225.00000	Ditch 39721.00000	Ditch 39721.00000	Lone Cone Ditch 14549.00000	East Shavano SP & PL 44728.00000								TH. 1. 47
Mos	Meridia		Rice Ditch	Paxton Ditch	Paxton Ditch	Lone C	East Sh				894				Smith Ditch #1
Person Placing Call	Rudy Rozman		Zene Weimer	Mark Rumbaugh	Mark Rumbaugh	Charles Hughes	Bob Hassee								Brad Larson
Duration of Call	50 days		Season	Season	Season	Season	Season								7/30/2007
Date of Call	8/12/2007		6/11/2007	5/21/2007	5/21/2007	7/20/2007	5/16/2007								6/25/2007
Admin # of Calling Structure	18870.00000		13546.00000	17836.00000	14504.00000	12205.00000	32323.00000								30079.22188
Name of Calling Structure	Rozich Ditch		Carpenter Ditch	Mosca Livestock Ditch #1	Theo Netherly Ditch #2	Grove Ditch	Meadows Ditch, E	Shavano Extension							Cliff Ranch Ditch
Stream Affected	Washington Gulch	Water District 60	Cottonwood Creek	Horsefly	Horsefly	Naturita Creek	Tabeguache Creek		Water District 61	No Calls		Water District 62	No Calls	Water District 63	West Creek

			120	70.
Admin # of the	Most Senior	Curtailed Struct.		
	Most Senior Curtailed	Structure		
	Person Placing	Call		
	Duration of	Call		
	Date of	Call		
Admin # of	Calling	Structure		
	Name of	Calling Structure		
	Stream	Affected	Water District 73	No Calls

### DWR, Division 4, Organization Chart

