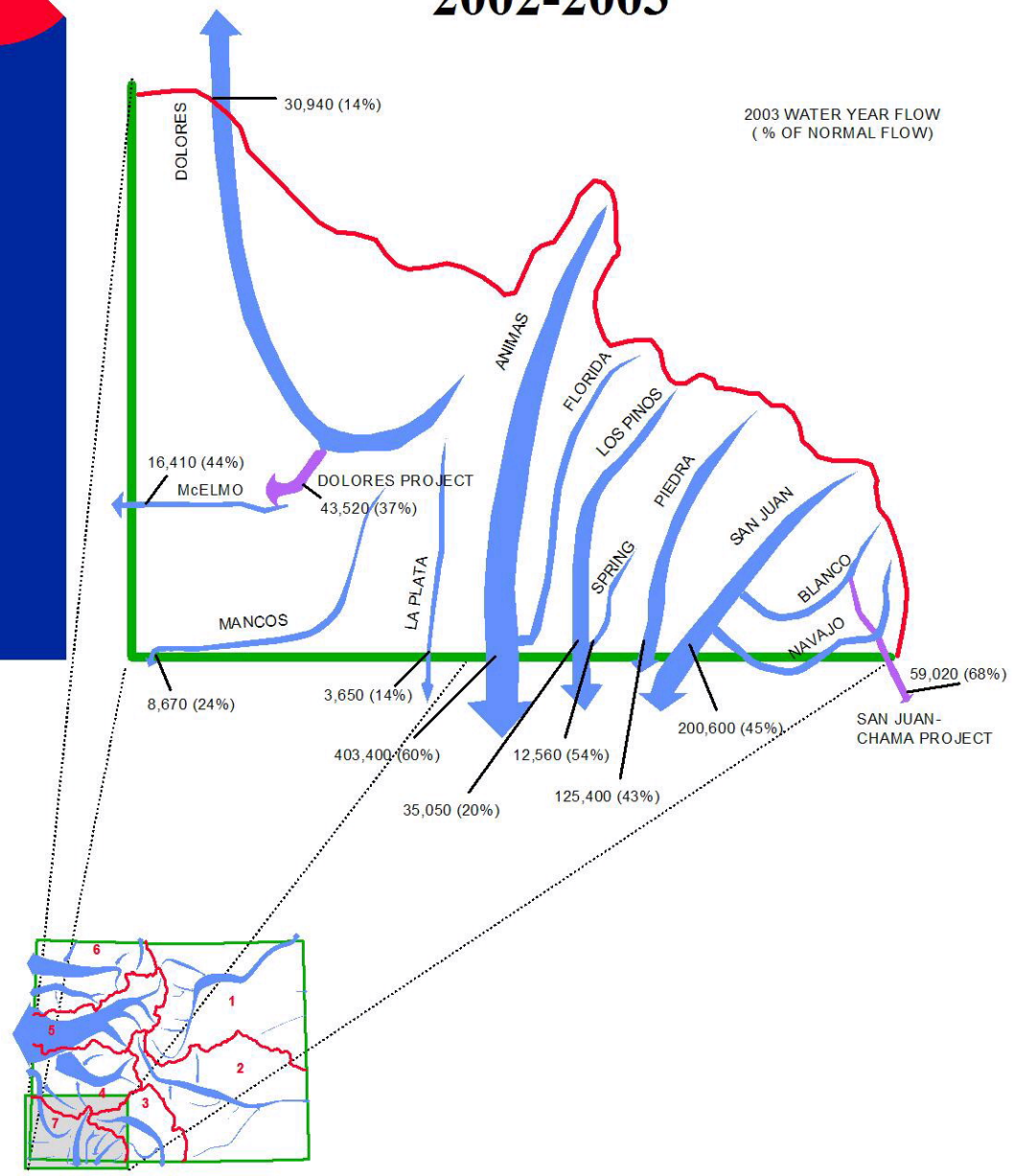
DIVISION OF WATER RESOURCES

DIVISION VII ANNUAL REPORT

2002-2003



Ken Beegles
Division Engineer

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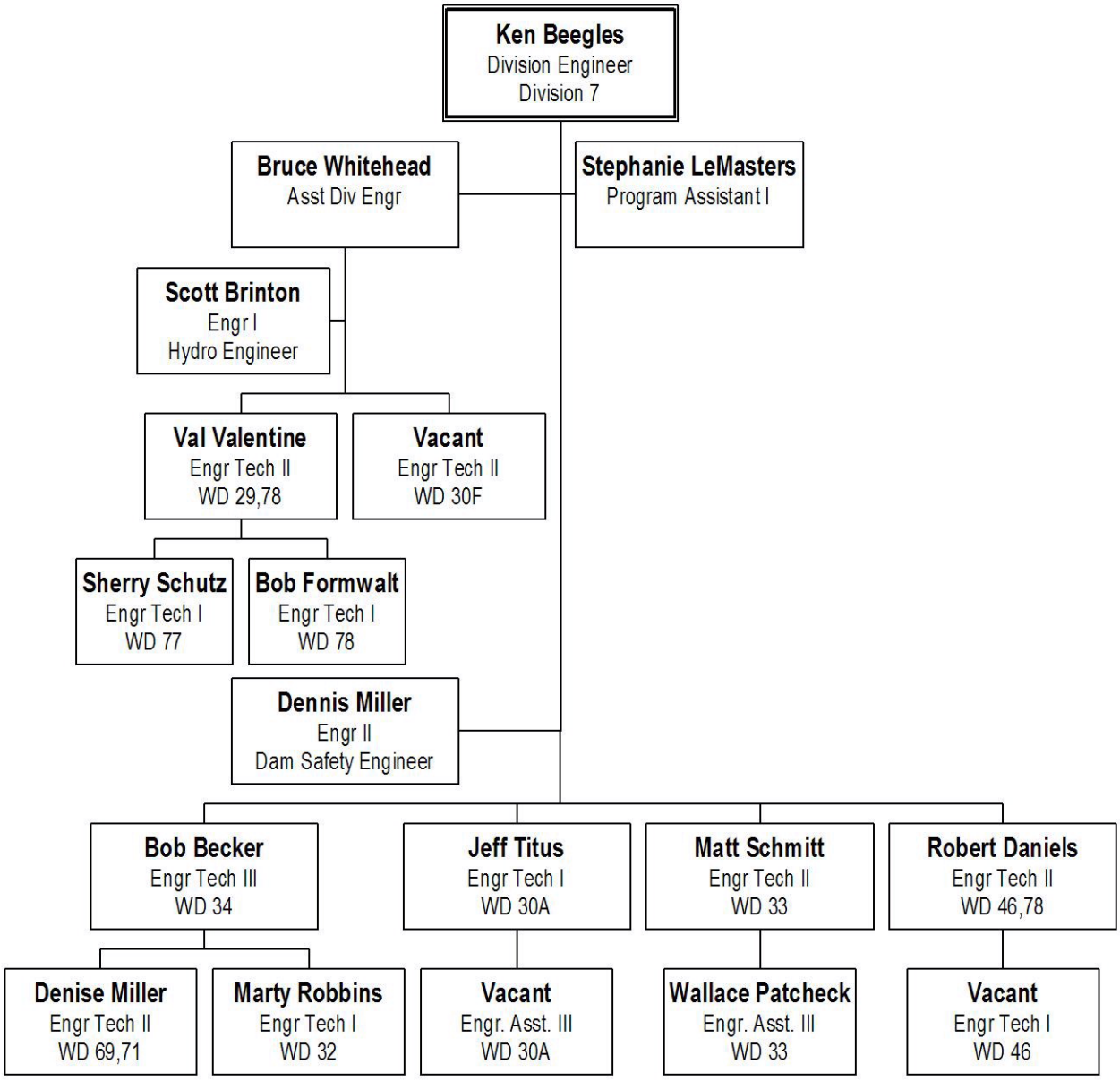
Division 7
Organizational Chart
January 2004



A. CURRENT YEAR

After the record setting 2002 season, it was anticipated that the water supply situation would likely improve. That it did, but only marginally. Early snow put the southwestern basins at about 80%. As the winter continued, the return to dry weather resumed. The Columbus snow course and La Plata Mountains developed the best snowpack while the eastern San Juan range again came up short. A good snow season has not been experienced since 1997. This was no exception as spring runoff predictions fell to under 50% in most areas. A complicating factor was that very little carryover storage was available in the reservoirs after the previous year.

Knowing this situation beforehand helped in advanced planning by water managers in those basins, however. Ditches cooperated to delay turn-on dates until very late into May. During this time period, the reservoirs were able to maximize the storage gathered in. The water year was poor but rivers still ran twice the flows of the previous season. This plan succeeded in increasing supplies for the first irrigation across most acres.

The peak flow this year occurred in September after a late summer storm brought major precipitation to the area. Earlier highs were mostly late May to the first week in June. However, on September 9, 2003, as much as 5 inches of precipitation fell in the lower elevation and border areas. Flows reaching 14,000 cfs were seen at the Four Corners in the San Juan River. This general rainstream and a few others gave a much needed break to parched land all across the southwest. Reservoirs picked up significant quantities as ditches shut down again to allow for storage. Though the water supply was only about 50% or less in most drainages, some crops were raised this year, no major fires occurred, and the general outlook for the future improved considerably.

Administration of Water

Similar to last year, extensive periods of river administration were required. Calls were received across the several basins beginning early with the February 15 Compact call from New Mexico on the La Plata River and the November 1, 2002 regular call for storage in Cascade Reservoir. Following are summaries of note for this year as well as the water commissioner comments.

Dolores-Montezuma Valley Systems

For the first time known, a call was placed for reservoir storage in Narraguinnep Reservoir. This was an issue between the DWCD project and the MVI Water Company. MVI was able to legally store up to their first three decrees before

McPhee could take the river. The issue involved interpretation of the MVI project contracts and agreements made there. The Division Engineer recognized the decreed rights to store, passing water through McPhee Reservoir. Later after the meager runoff, and a period of time for the Groundhog exchange, a river call was made on August 1. The MVI demand was clarified and required commissioners to strictly regulate the upstream users agreements. Several meetings were held regarding the administration. Groundhog reservoir did not contain the full supply needed for the full release of ditch exchange water. However, it was determined that enough was available to cover the existing uses and seniors who did not need replacement water for 42 days. This interim procedure needed further work but allowed administration to the legal priorities. Three ditches not covered by the exchange in 95CW104 were covered by DWCD.

Totten Reservoir was allowed to exchange water through short contracts (1 week) with the DWCD. This allowed some of the junior users on McElmo Creek to divert. After the call was established senior ditches on McElmo Creek were curtailed to the point where only the Rock Creek Ditch was diverting its reduced #1 priority. There were many complaints about this administration, in its second year, and further study of the Amended Order in Case 1077 from 1965 was carried out by the division office later in the fall.

La Plata River

The Compact was called early and the New Mexico demand reached as high as 100 cfs. Flows requiring that delivery occurred only on a few days at the end of May. The river ran for a more extended time than expected and many ditches were able to divert significant quantities for a short period of time. The Pine Ridge Ditch developed an emergency substitute supply plan for Lake Durango water system and gained valuable commercial domestic water for the service area.

Red Mesa Ward reservoir was able to store some water and controlled releases after the main river dried up. By June 30, the river lost communication and flows reduced at Hesperus could not be measured at the Stateline. On July 1, the river was declared split. By July 14, there was no water at the State Line. There was a small amount flowing at the Enterprise Ditch, however. Since it was not diverted for beneficial use, it was allowed to be taken in the Sooner Valley ditch and the river remained undeliverable until the September storm. This storm affected the lower reaches at first with flows exceeding 1200 cfs at the peak on the 9th. Most of the New Mexico ditches lost their headings and water was found to be flowing through to the San Juan River. The division staff decided that the demand could not have exceeded 10 cfs for two days. This is reflected in the Compact Report. After the rainstorm, the river continued to run and did not totally dry up at any point. There was some flow communication to the Stateline and a futile call could not be justified. Although Colorado diverters were reduced to 3 cfs of diversions, the Compact requirements were still undeliverable. It was not possible to deliver the water flowing at Hesperus but if any was picked up by the ditches, it had a

noticeable impact on the stream. The majority of the Compact demand was being met with a few days of over delivery after precipitation events in October. In November, Hesperus flows reduced and spring flows carried through so that the river administration was split again, but the Compact requirements were being met until the end of the month.

Vallecito/ Lemon

These districts delivered USBR Project water and were able to manage supplies effectively. Vallecito Reservoir supplies were much better than the Florida which was limited to 45% and finally 55% of supply. When ditches ran out of storage water, they were curtailed. The Florida ditches shut off early again this year but most users received enough for their first irrigation. Municipal supplies were taken with structure adjustments to avoid the silting problems from the fire the previous year and runoff.

Animas-Elbert Creek

The Animas River ran flows above 150 cfs most of the summer in Durango. All demands were met and no call was received on Hermosa Creek this year. Cascade Reservoir stored significant quantities from Cascade Creek and filled later in the summer. Elbert Creek dried up early and several people needed to purchase replacement water from EXEL Energy (Cascade Reservoir). Tamarron developed a new pump station on the Animas River and appeared nearly ready to shift to the alternate supply. Interpretation of decree documents led to an adjustment of downstream releases to feed the Keeler Reservoir area. Clifty Lodge dam was removed and this allowed water to flow through the system better this year.

Navajo Reservoir

Again, the largest river in the Four Corners area was the San Juan below Navajo Reservoir for most of the year. The endangered fish flow releases necessitated under the SJRIP required low flow deliveries to raise the critical habitat reach to 500 cfs. Toward the middle of the summer, it appeared that the reservoir would be dropped to its lowest useable capacity. To avoid this, the USBR was able to achieve a management agreement from non-project users in New Mexico to share the shortages to allow reductions in flow. This temporary “fix” was still the subject of planning meetings at the end of the year in the effort to address the impacts of the drought on water project requirements.

Division Seven Staff Summaries

Hydrographic Report/ Scott Brinton

Streamflow was well below normal for the year. Streamflow records for the 2002 Water Year were completed and delivered to the chief hydrographer for publication. Two records were published by the Colorado office of the USGS and four were published by the New Mexico office of the USGS. Twenty-two records were published in the Colorado Division of Water Resources yearly publication.

The Division 7 hydrographer made 169 river measurements and 22 ditch measurements this year. Water commissioners in Division 7 made 34 river measurements and 4 ditch measurement. A large number of the hydrographers measurements were made to calibrate the ramp flume constructed on the Florida River above Lemon Reservoir last year. Good definition of the rating curve was obtained.

As a result of the satellite monitoring system a high water measurement was made on September 9, 2003 at the La Plata River at the Colorado/New Mexico Stateline. The 1200 cfs measurement was the highest measurement since July 25, 1977.

Following are individual area comments from Water Commissioners regarding their respective districts:

District 29, San Juan River and District 78 Upper Piedra/ Val Valentine

The drought continued, through the 125th irrigation season of water commissioner service to the people of Colorado. There were improved water supplies compared with the previous season, and there was a slight increase in irrigated acres.

Spring was cool, slowing the runoff. A May 7th river call From the Mesa Ditch on Fourmile Creek was rescinded on May 19th after the runoff caught up with irrigation demand. Drought quenching rains on September 9th were sufficient to rescind river calls and extend the irrigation season. Due to a warm fall and available water many ranches, particularly those at the higher elevations irrigated through the end of the water year, thus the duty of water on the Navajo, San Juan and Piedra Rivers was higher than in the past.

Pagosa Area Water & Sanitation District continued its efforts to conserve water and maintain reservoirs levels and again operated the Dutton Ditch throughout the winter. Still Lake Pagosa and Village Lake did not fill. PAWSD announced and enforced strict watering restrictions.

Of special interest, on the lower San Juan lands of the Mitchell Ranch (Formerly known as Tharlton Bond's ranch) were brought back in to irrigation and hay production. The original water right was abandoned in 1984. Two years of reworking the fields, the development of the Mitchell Ranch Irrigation System under manager John Walden and the regular application of water produced a fine hay crop, the first in probably more than thirty years.

During the summer and throughout the fall major reconstruction of the dam at Pargin (Capote) Reservoir commenced after several years with Capote Lake being empty. Plans are to refill the lake in the spring of 2004 with water from the natural springs at the lake. It is hope to have the lake 50% full next year with a return a previously good fishing on the Southern Ute land soon after.

District 30, Animas River/ Jeff Titus

After two years of mentoring from Hal Pierce prior to his retirement, I was offered and accepted the District 30, Animas River Water Commissioner position. Although snow pack was below average, District 30 started the year in better shape than the previous year

On November 4, 2002 Excel Energy put a call on both Upper Elbert Creek and Little Cascade Creek. Upper Elbert Creek remained on call until October 31, 2003. Lower Elbert Creek remained off call until May 20, 2003 when the Conley Ditch (E-1) placed a call. Lower Elbert Creek remained on call until October 6, 2003.

Junction Creek was placed on call by the Animas City Ditch (J-2) on July 21, 2003. Due to attempts in years past to get water down Junction Creek to the Animas City Ditch, the call was determined to be futile and water was put to beneficial use upstream in the Sites Ditch (J-5). On October 31, 2003 water was available to the Animas City Ditch but no use was evident and the call taken off Junction Creek.

An increased flow in Lightner Creek kept the stream off call until August 8, 2003 when the Taggart Ditch (L-4) placed a call on the stream. A futile call kept ditches on above the Taggart Ditch until September 9, 2003 when a substantial rain event increased flow in Lightner Creek and took the call off the stream.

District 31, Pine River/ Robert Daniels

The 2003 irrigation season on the Pine River was a semi-drought but unlike the 2002 drought, most of the water right holders received enough water to have a successful year. On June 6th Vallecito Reservoir peaked at 82,904 acre-feet of storage which would be about 66% full.

On September 9, 2003 just as the ditches were beginning to shut down to preserve their remaining storage water the rains hit. During the next 30 days the reservoir was able to store about 16,000 acre-feet of additional water. On October 17, 2003 the ditches turned on for the final time and ran water for a period of seven days.

The water right holders continued to learn the ways in which they can best allocate their river and storage water to maximize crop yield. The learning curve has been steep and difficult for water right holders that have historically had a one-hundred percent supply of water for decades. But learn they have, many have found a way to utilize storage water to best maximize their priority water rights.

District 32, McElmo Creek/ Marty Robbins

The irrigation year started out in drought conditions. The ranchers and farmers had great concerns about availability of water for this year due to the lack of precipitation over the winter and last year's drought. The four corners area was hit the hardest throughout the State of Colorado.

Due to the drought and the need for water, the major ditch companies and owners of water rights changed the way that they managed water use. They also worked harder to familiarize themselves with the way their practice of management should be changed for future use. By tightening their use and better management, the wastewater flows in the area dramatically changed requiring administration of streams for a longer duration than in the past. Thus, requiring the education of "Everyone" involved and making our viewpoints cover a broader scope then required in the past.

District 33, La Plata River/ Matthew Schmitt

It was another unique year on the La Plata River.

The year was marginal and, coming off of the worst year on record, made it poorer than it should have been.

The river continued to be dry on the south end from Long Hollow to the Big Stick ditch. There was no run off from snowmelt on the mesa. New Mexico placed a call Feb. 15th, and the lower river made the compact deliveries. This condition continued until April 1st.

Mountain snowmelt kept most of the ditches [#50 and above] running until the last of May. After the middle of June, the river simply ran out of water and went futile June 30th.

The water level in wells didn't improve and many more wells went dry. The Marvel Spring could not keep up with demands and steps were taken to improve flows. Some rain in the area, late July, helped the situation.

Upward of 80% of the grass for hay and pasture died in 2002, so crops were poor. An invasion of cutworms early in the year severely hurt what crops were left.

State Line flows went dry above the Pioneer ditch heading from July 21st until Aug. 25th. Rains in late August remedied this situation.

On Sept. 8-9th, the area received a good rain. State Line ran over 1200 cfs and Hesperus come up to 200 cfs for 2 days. The river at Hesperus returned to under 10 cfs from Sept. 15th until Oct. 31st.

The year was unique.

District 34, Mancos River/ Robert Becker

The irrigation began with Jackson Reservoir storage at 2452 AF (24.5%), which was 69% of the previous years total impoundment. Due to cooler spring temperatures the April 1st capacity was only at 3082 AF.

For the second straight year the reservoir manager asked the water users to postpone placing a call on the system allowing the reservoir to store water until May 1st. With their co-operation, the reservoir was at 6896 AF on May 1st and peaked at 9791 AF on Jun. 5th. This resulted in storage allotments to be set at 100%.

Three beaver ponds on the river, just upstream of the Town of Mancos, presented a major administrative problem as they were obstructing flows from the river into a wetlands area. The water commissioner and Division Engineer worked with the State Engineer and AG's offices to resolve the problem. Their actions resulted in court proceedings in which the property owner signed a " Consent Decree" and removed the dams.

Another major project throughout the year was involvement with the Mancos Salinity Project. The project was authorized by Congress to reduce salt loads as required under the Colorado River Compact. Assistance was provided to the NRCS and Mancos Conservation District in their efforts to identify ditches that would qualify to have open ditches replaced with pipelines.

The lower Weber Canyon area was subject to increased activity through purchase of undeveloped lots, subdividing and sales of existing parcels. This resulted in numerous public assistance contacts and filing of new water rights.

District 69, Disappointment Creek &
District 71, Dolores River/ Denise Miller

The 2003 water year introduced this Water Commissioner to both districts and a series of water calls on the Dolores River. The vacant position was filled on April 1, 2003 as the snow began to melt and help recover the drought stricken drainages. On March 1, 2003, the Dolores River began the runoff with an 83% of average but by May 1, 2003 had dropped to 41% of average. Disappointment Creek in District 69, improved from last year and provided water to the irrigators until late in June and filled most of the small irrigation reservoirs.

On February 21, 2003, the Montezuma Valley Water Irrigation Company placed the Narraquinnep Reservoir, 1907 priority call. They continued to fill the reservoir under the Narraquinnep priorities until April 22, 2003. The call on the Dolores River returned on August 13, 2003 with MVI's Main 1&2 Canal D-16 priority.

In September, a generous rain in the Dolores River basin initiated the brief McPhee Reservoir, 62-18R priority call capturing some project water. The Dolores Water Conservancy District started the irrigation year with a projected 45% of supply but ended up with a 58% supply of water for the project users. McPhee Reservoir ends the 2003 water year with 45% storage and the DWCD looking forward to a high snow pack in the 2004 water year.

The Summit Irrigation Company filled the Summit system reservoirs with water to spare for direct irrigation. They didn't need a stock run this year due to the plentiful supply.

As a whole, District 71 and District 69 are rebounding from the severe drought but looking for an abundant supply in the 2004 water year.

District 77, Navajo River & Little Navajo River &
District 29, McCabe Creek & Mill Creek/ Sherry Schutz

January started out by doing a field inspection on Gomez filings. Later, had on site meetings with Applicants; then another on site meeting with Applicants, their Attorney and Protestors. The application was held up due to disagreements in amounts of size of ponds, springs, and ditches. However, in the end a number of the claims were reduced in size to actual size of ponds and ditches.

In the early Summer another gravel pit started up on the Navajo River on the Bramwell place. Then yet another application for another gravel pit farther down Navajo River will start next year. Don English finished up on his gravel pits and starting to rehab the area.

A call was placed on Oil Well Creek in June by a Water User who would find his dam taken out of the Creek every now and then and wouldn't be getting all his

water. The diversion is located on the Navajo River Ranch Subdivision and the ditch goes to the adjacent property for irrigation. I had an on site meeting with Property Owners on Navajo River Ranch Subdivision and the Water User to discuss the problem. Structure was checked often and had no problems the rest of the summer.

Alpine Lakes Subdivision finished construction on repairs to Spence Reservoir in September. An inspection was made by Dennis Miller, Dam Inspector, and Alpine Lakes was allowed to start filling the Reservoir. They are hoping for lots of runoff this spring.

A call was placed on McCabe Creek for the first time. Headgates were tagged, pumps were removed from the creek and all water users were notified. Had a meeting with an unhappy Property Owner whose nondecreed pond and diversion was tagged and shut off.

District 78, Upper Piedra & District 29, Upper San Juan/ Bob Formwalt

The water year 2003 was some what better than 2002 as more snow fell on the headwaters of Weminuche, Williams Creek, Piedra, East and West Forks of the San Juan providing irrigation later than during 2002. Irrigation was adequate in most upper areas of Districts 78 and 29 except for Johnny Creek, Allen Creek and Plumteau Creek.

Reservoirs caught some water in most areas and a few like Dunagan Reservoir actually partially refilled during late summer and early fall rains. Some cattle were moved around before these rains occurred and I am not aware of any cattle that had to be shipped early as happened in 2002.

Only two streams went on call for the summer but these were streams that typically go on call each year except for wet years. There was not as much working between water users on these called streams as happened in 2002. I do not know the reason for the lack of cooperation this year. New landowners may be part of the cause.

I saw special projects on two District 29 Ditches. The Park Ditch completed a GPS survey of their ditch system and Snowball Ditch ordered and prepared for a new head gate to improve the control of waters from Turkey Creek. This new gate will also allow for better security of their heading.

Because of better water levels in streams, I did not have any complaints from environmental concerned persons about fish habitat depletion in any of the higher streams except for Plumteau and O'Neal Creeks.

As the year 2003 ends, good snow packs are building in the headwater streams; therefore, I have high hopes for a good water supply in water year 2004.

Division Accomplishments

Several areas of interest were addressed this year by the office staff in its effort to be proactive in anticipation of problems before they became difficult to resolve. These are described below:

1. The budget crisis led to SB 138 which raised fees for well permits. This led to a surge in business in the end of February 2003 when many people sought well permits from the division office before the fees changed. There were 480 well permits received in ten days in Division Seven. A major effort by office staff accomplished a quick turn around of these permits, although the final issuance of these could not be accomplished immediately. By the end of April all of the permits had been issued and the reduction in business became apparent as the revenue generated fell below the requirements. Toward the end of the year a slight rebound was experienced. These later permits were for wells which really needed to be drilled and not held for future sale.

2. Lake Durango
   Through efforts of subdivision representatives and Lake Durango officials, and emergency substitute supply plan was secured early in May and used to gain enough storage to keep the domestic supply in operation this year. By early June the priority was off, but with restrictions on use. The carryover into 2004 was roughly the same amount, 250 acre feet, as last year.

3. Redwood Pond
   A beaver dam had developed during the previous season on the mainstem of the Mancos River above Mancos continued to be enlarged to the point where it became a significant obstruction to the stream. Two water user petitions were received and there was a flooding concern for an adjacent homeowner. Injunctive proceedings were filed after the order for removal was ignored. Prior to court action, the owner decided to agree to the removal. This exists as a standing order from the court to keep the stream free of the obstruction.

4. Abandonment List
   Objections filed in 2002 were addressed to the best effort to resolve the differences and come to agreements with the objectors which would ensure reactivation of the portion removed from the list. Many cases were resolved but trial preparation moved forward on the Bear Creek Ditch (District 71), Lipperd Extension of the Pine Ridge Ditch (District 33) and the Nick Strawn Ditch and alternate points (District 31). Interrogatories and disclosure statements were made. Finally in each of these cases, agreement was reached and in December the last case was wrapped up with significant effort from the state attorney generals office and the

Assistant Division Engineer. Finalization of the decree abandoning 300 water rights awaits approval in 2004.

5. Animas- La Plata Project
   The project which has been delayed for years actually progressed physically forward as significant work was performed both on the pumping plant and the dam site. Issues regarding cost underestimations raised questions which threatened to affect future funding. However, the work accomplished is significant and it appears promising that a project will be completed eventually. The Animas-La Plata Conservancy District and the tribes spent time in contract negotiations on planning for water delivery to various developments such as the Lake Durango area or Durango city uses.

6. Numerous water exchanges were accomplished which provided for better management and utilization of water supplies across the division. Especially useful were the irrigation supplies provided to several ditches in the McElmo drainage through agreements signed with the DWCD.

7. The issue of downstream senior water releases below McPhee was addressed this year. After the call for irrigation water was received by the Division office, the requirements for downstream release was determined by the Division Engineer to be no greater than the actual use downstream. The 3900 acre-feet of "Senior Water Rights" was a supply figure used during the early stages of the Dolores Water Project. There was no direct connection between this project supply and the water rights ownership downstream. This administration allowed both the DWCD and MVI to increase their supply a bit in a year where every drop counted.

8. Capote Lake, Water District 78
   This tribal property had been in disrepair and inoperational for over ten years. The dam and bypass channel were rebuilt this year under federal contracts with the BIA. With the dam seal established, future water supplies could be met from natural spring inflow. The dam size will not contain the full amount of the senior storage right, but the renewed commercial use of the property and possibly new irrigation uses will be possible with this reconstruction.

9. Through staff efforts to keep contacts current with the tribes, records of use were gathered for structures on both reservations. This has been difficult to obtain in recent years because of leadership uncertainties in the Ute Mountain Tribe and reorganization of the Southern Ute administration. The creation of a Natural Resources Department and Water Resources unit within the Southern Ute Indian tribe promises to improve the working relationships between our offices. A new contact source found in the Ute Mountain Ute Tribe was able to secure some of the needed information by the deadline needed for diversion records.

10. Meetings were held with the Division of Wildlife to discuss issues of common interest. The Memorandum of Agreement between the two agencies was discussed after the dewatering of the La Plata River at the Colorado/New Mexico Stateline left a native chub population isolated. There had been no stream list prepared by the Division of Wildlife for notice under the guidelines of the Memorandum of Agreement. With the new watch, we hope that future crisis may be avoided.

11. In general, the drought has had a positive impact in that users rapidly become aware of water law and management opportunities used to resolve disputes. Farmers and users have had to cooperate to share their reduced supplies. On farm practices of night sprinkling and storing irrigation water during the day may have saved water for a better crop in some cases. The planning aspect allowed more effective application to acreage this year as shown in the statistical report.

Items which were not addressed as much as desired are as follows:

1. La Plata Ponds
   While about four parties made plans for evaporation releases and a few dam modifications were made, the efforts to secure compliance were not advanced this year. There was some success in contacting the owner of the DeSmedt pond through his agent but no plan for removal of the pond was submitted. Time constraints and staff shortages diverted attention into other areas of the division. It is anticipated the additional enforcement will be carried out in this area in the upcoming years.

2. The US Forest Service negotiations came to a halt after area forest managers presented a conceptual plan for the Piedra River. This plan proved to be unacceptable to the users and the state negotiators. After a review of the history and assessment of our positions, it was determined that there should be a different approach which might limit the claims in numbers or quantity of flow. While the meetings are not necessarily ended, the State and water users were awaiting a response from the federal members of the team at the end of the year. Prospects for success at this point are not bright.

3. We still wish to secure acreage studies from the Pine River Canal and Spring Creek Ditch on the Pine River drainage so that the enlargements of use can be determined.

Office Administration

Statewide, drought conditions put demands on personnel and resources. These resources were further restricted by budget shortfalls experienced across the nation. Operational resources were limited while the Department and the Division teams organized to deal with less money available due to cuts in spending. Fortunately, with vacancy savings and help from others, some additional cuts or even furloughs were avoided. However, the office experienced a loss of overtime funds for a time. Also, there was no money for computer upgrades. The Division Seven operating funds were not used as rapidly as in some years. This could possibly be attributed to less miles driven (vacancies) or better use of state vehicles in the carryover or replacement vehicles. The expenditures were within 2% of the budgeted amount.

Personnel in the division were barely able to keep up with the work in many areas. Brett Nordby left early in the fall. Though the hiring freeze was lifted and temps could be hired, Bob Becker's old job in Districts 69 and 71 was vacant. The voluntary transfer of Dennis Miller into the dam safety work and Denise Miller into the Water Commissioner job served as an excellent choice to fill positions with experienced people. However, the vacancies remained with us until the next spring while they were preparing to move.

Late in the spring, both Harold Baxstrom (District 30F) and Hal Pierce (District 30 and Groundwater) announced their intention to retire. Although expected, at first it appeared that we would not have any coverage in their districts for the season. Shortly thereafter, however, we were able to plan a late fall retirement with leave allowances during the summer. Both men contributed toward a complete record and continuity in operations.

Shari Titus announced in May that she had been offered a job with the Division of Wildlife. This suddenly placed a huge burden on us to fill in for the loss in administrative support. With help from our Denver office and a local employment agency, we were able to hire Stephanie LeMasters on as a temporary Program Assistant. The job was announced and there was significant interest. This required a test and interview process. Finally, in August the opportunity to hire became reality and Stephanie accepted the full time position.

Erica Berglund quit early in the fiscal year 2003 and a temporary was found to replace her as the Water Commissioner under Bob Daniels in District 31, 46. Terry Watson worked for about a month until the budget cuts forced the temporaries off the payroll. The announcement for this job commenced early in the Spring and resulted in the hire of Jeff Titus as the Tech I in the Pine River. Jeff had worked as an assistant on the Animas, so when that job was announced internally, he and two others qualified. Jeff was chosen to move into Hal's District 30 job. A temporary, Kirby Beegles was hired to fill in for the District 30 vacancy but he also helped with the Pine River vacancy until leaving in August. Gary Vance was then hired to work that temporary assignment. At the years end both

the Animas and Pine River deputy Water Commissioner jobs were open as well as the District 30- Florida position. With the new budget cycle and improved economy, it was hoped that all positions could be filled prior to the 2004 irrigation season.

The groundwater permitting tasks were beginning to work smoothly after Hal Pierce had assumed the duties from the vacancy left by Dave. The recession was also slowing business a bit and La Plata County had taken steps to slow down the subdivision process earlier by restricting the number of exemption requests allowed on a given piece of land. Much land is being subdivided in 35-acre parcels, circumventing county review. However, normal permitting was proceeding effectively until the revenue-producing bill SB 181 was passed authorizing the increase of permit fees from $60 to $440 (later $480 from the well inspection bill). One driller contacted all the news publications to announce that the state was no longer going to issue permits. This led to a huge rush before the effective date of the bill, February 28, 2003. Over two weeks the Division Seven office received over 480 well permit applications- roughly a years worth of activity. Commissioners and office staff had to stop everything and work with well permit applications to keep up with the onslaught of customers. All became familiar with and initialized the Arc Explorer program effectively to research permits and assist with the application process. On the year, 700 permits were issued by Durango and 152 by Denver, a record total.

This kept the issuance process going but within two months, thanks to the help from Hal Pierce and Bruce Whitehead, all the permits had been issued. A significant decline in activity occurred for the rest of the summer.

The improvements in automation have become noticeable as the vision we had several years ago has become reality. The efforts by Bob Daniels and the availability of Content Manager have greatly improved staff capabilities in the office. Now, well status and data is available for our four main counties within parcel mapping overlays or topographic and photogrammetric coverage accessible. Land ownership as well as groundwater or diversion location information can be accessed from the screen of everyone's computer on the shareware program, Arc Explorer (ESRI).

Efforts to scan in decree records at the water court appeared headed toward useful output as an imaging company from Aspen allowed incorporation of decree/tabulation data as part of the indexing of these decrees, applications and testimony of water cases dating prior to 1970. Bob Daniels, Shari Titus, Water Commissioners and Ken Beegles assisted in organizing the decrees as well as categorizing files which were part of the court record but never decreed.

One program initialized by the division engineers and Dave Nelson several years is being continued under supervision of Jeff Titus. This is a project to follow up on redrills and replacement wells to be sure that the old wells are properly plugged in the future. We hope to avoid the situation of a replacement or undocumented

well being attached to a split property or being otherwise used for unpermited purposes. These wells are likely to be marginal or dry and must be abandoned by statute.

Scott Brinton served as computer liaison during the year, fixing many computer problems and upgrading systems as necessary. Fewer general failures are being experienced although it seems that system losses always occur on the weekends when the La Plata River numbers are most critical. It is believed that computer network improvements in the central office will improve this situation.

The Core Mission Project took significant time out of people's duties during the mid to late summer. This examination of priorities and cause/affect relationships had an impact on the staff in terms of employee morale and work focus. However, by the end of the year most of the ideas had been rejected and work continued as in the past with the awareness of the importance of operating efficiently remaining.

B. UPCOMING YEAR

The upcoming year 2004 will tell whether the drought is to continue or an increased flow following the typical cyclical nature of weather will be the benefit experienced. With the late summer rains and water storage efforts a much better situation exists on those drainages with reservoir storage than was found in the past two to four years. The economy is seen improving but with spending limits or requirements from the TABOR amendment or Amendment 23, the Division will be concerned about the revenue generating programs of groundwater fees as well as water rights billing under SB 278.

Decision items which would add an engineer in training position as well as additional months on the McElmo Creek are pending, though it appears that the second item will not succeed. Personnel help may be available soon with the addition of a groundwater inspection person. It is reported that sufficient savings will be made in the conversion from the purchased phone system and micro connection to the Voice Over Internet protocol installed late in 2003.

Continued land use changes are requiring different approaches to solving problems as the types of people we are dealing with change from agricultural families to recreational and residential interests with considerable impact from wealthy landowner relocations. Water court decrees often do not provide the uses that new comers wish to make. This creates a conflict and also needs to be regularly addressed in educational forums.
Issues of note which will be on our agenda having probable significant impacts are addressed briefly as follows:

1. Long Hollow Biological Assessment
   Revising the current plan will be key to breaking down public resistance which has developed on this very worthy project. The Ft. Lewis Mesa did not gain anything from the Animas-La Plata Project as finally approved. However, with the new storage possibility, compact administration should be much better and exchanges to upper ditches will benefit the whole system.

2. The La Plata Compact will be again on the forefront of the issues in Division Seven. Users and administrators will hope to develop a better communication link across the Stateline so that the needs of both sides can be addressed timely and with mutual benefit. Areas irrigated in New Mexico and their changing beneficial use needs will be studied.

3. Improvements in municipal systems in the smaller towns such as Bayfield, Mancos, and Dove Creek will help them cope with growth and increasing demands on their supplies.

4. The Animas- La Plata Project should begin to take shape physically as well as in the eventual development of contract delivery plans in the next year. Some type of plan should begin to develop for addressing the mitigation of wetlands by the development and irrigation in Water District 33 where no water is currently available for this use.

5. The development of instream flow agreements should advance in the next year. The challenge will be to find a donation agreement which can be used effectively to provide habitat without taking supplies from the irrigators. Related to this would be the issues of protecting a downstream storage release or even how to identify that release as reservoir owners seek to claim the release as being their water. The success of this work may avoid the development of some of the proposed instream flows. Clarifying the use of water downstream will be important regardless of the approach.

6. Within the next few years, it is anticipated that out-of-state marketing of tribal water will become another challenge for resource managers. With the Navajo water rights being close to settlement, the political pressure may shift and be affected by any court ruling which could grant more freedom of tribal asset moves. The Animas-La Plata Project will need local user development to fully establish a use within Colorado for the tribes to acquire the desired benefits.

7. A significant conflict needs to be resolved with the MVI system regarding the conditional to absolute filing on 87 cfs of senior irrigation water. This proposal would recognize an expansion of the use of the Company's water. No additional acreage has been agreed to up to his point and it appears that we differ on the original acreage intentions of the company.

8. The budget status of the Division of Water Resources is of particular concern. An idea of having user-generated funds was rejected several years ago but was required last year. If this program works, it could be extended but more likely is that it will be modified in the future. The division will suffer greatly if money is not available for operations or if vacancies must be held open with the insecurity of funding. However, it appears that some self-funding is the reality of the present. Who pays and how much the program will cost to operate remain somewhat unresolved.

9. With the possible demise of the US Forest Service reserved water rights negotiations, the result could be a conflict developing in bypass requirements imposed on structures. Even with an agreement, it appeared that this conflict would be a possibility in circumstances involving new easement work impacting the Forest reservation. Bypass flow requirements take a value away from the water right sometimes benefiting a downstream junior who would not normally be allowed to call out the water. Hopefully agreements concerning the imposition of these flows can provide both the users and the regulators some reasonable accommodation.

10. The Mancos Valley Salinity Control Project will move forwards in all likelihood. Ditches can be moved into pipelines to help irrigate the lands under pressure. The proposed program is not clear yet as to what will be required.

11. Expansion of use and water rights changes will be a challenge in water court as people seek to add non-traditional uses to their water rights. We will need to monitor several areas to see if this is occurring.

12. The use of the water discharged from Coalbed Methane water development is being requested by those owners connected with the lands. Although this source appears to be one which diminishes in production, many people have inquired about water uses as a means of acquiring a water right.

13. It will be important to Colorado to keep watching the developments in New Mexico regarding the development of tribal settlement agreements with the Navajo and Jicarillas Tribe. The approval of these should not deprive Colorado of development of her Compact entitlement in the Upper Basin. The management of Navajo Reservoir to meet the fish flow targets could be subject to review as much more water is being released than naturally would occur in this reach. Is the solution always flow-based? Structures and channel improvements such as tamarisk removal are promising alternatives.

Interstate Issues:

1. Navajo Reservoir Operating Procedures
2. Impact Navajo Tribal Settlement
3. Colorado River/ California use issues under the Colorado River Compact
4. Possible Federal preemption in project reservoirs to take water for endangered species releases.
5. Definition and application of "Waters of the US" to in-state development.
6. Water Quality designations on various streams especially the Dolores River and McPhee reservoir.
7. La Plata River Compact / New Governor and State Engineer in New Mexico
8. Efforts applied to seek marketing of water to downstream customers.

Intrastate Issues:

1. Water Banking proposals.
2. Means of obtaining a Substitute Supply Plan.
3. Instream Flow Calls.
4. Special Use Permit processing on US Forest Lands.
5. Speculation on water rights.
6. Unauthorized pond construction and storage.
7. Futile Call issues.
8. Groundwater Recharge modeling evaluation- La Plata and Rico.
9. Possible instream recreational flows.
10. Challenges to Tribal Settlement Agreement and ALP decrees.

The above issues are listed because each, in some way, will have an impact on future water administration in Water Division Seven.

Community/ Organizational Involvement:

Office Staff remained committed to participation in community activities to promote the understanding of water issues. Participation in meeting or projects was part of last year's efforts to keep involved with the community.

Southwestern Water Conservation District
San Juan Conservancy District
Rio Blanco River Restoration Group
Pine River Irrigation District
Southern Ute Tribe
Animas- La Plata Water Conservancy District
Florida Water Conservancy District
Durango City Water Board
Water Information Program (WIP)
Children's Water Festival – Montezuma County
La Plata Water Conservancy District

Dolores Water Conservancy District
Mancos Water Conservancy District
SW Wetlands Initiative Group
Council for Oil and Gas Drilling Solutions (COGS)
Leadership La Plata
Children's Water Festival- La Plata County
SWSI- Surface Water Supply Initiative

The Division Seven office resumed participating in the Children's Water Festival in La Plata County this year. Also, office staff engineers spoke at resource groups and real estate groups at various times. Articles were prepared for Streamlines to highlight some of the issues which arose.

Members of the office were also involved in activities beyond the Division as time allowed. These groups are as follows:

DWR Leadership Team
Colorado Water Officials Association
San Juan River Citizens Advisory Group
Navajo reservoir Operation Committee
Animas- La Plata Operations Committee
State IT Group
Forest Service Right Negotiations Team

Reductions in travel and demands on staff time have made if difficult for effective participation in all these groups. However, it has been found very beneficial to keep our local contacts and communication lines open for dealing with issues that arise.

In Conclusion:

Division Seven has been established as part of the Western Slope but **is** not affected by some of the Western Slope issues as much as other areas. The proximity to New Mexico keeps this Division on the periphery of the Rio Grande issues as well as the San Juan River issues. This dual connection gives the SW corner its unique but isolated role in this state. The old guard of the local water leaders in this area is changing. John Porter is no longer leading the DWCD. Leonard Burch, chair of the Southern Ute Indian Tribe**,** died earlier this year leaving a gap and will be greatly missed. Others have been around since the early days of development in this part of the state. We are now seeing the likelihood of a new leadership arising in water matters who will have a more diverse background. The system of prior appropriation has adapted well to changing times and still protects the property rights of those who acquired the rights. But it will take strong leadership which can protect the values and principles of the past while adapting them carefully to the changes we will be facing in the future.

The Division staff has been instrumental in continuing the fair application of these values to the physical reality. They are commended for their efforts as we also appreciate the support received from the State Engineer and his staff.

Respectfully Submitted,

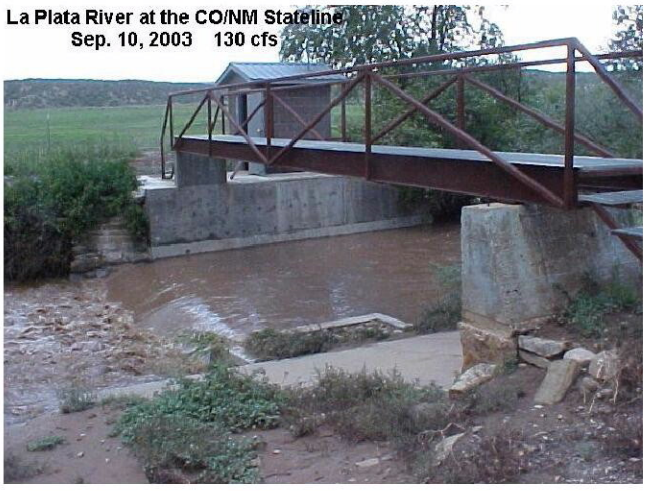
Ken Beegles
Division Engineer
February 2004

La Plata River at the
Colorado/New Mexico Stateline

July 14th, 2003
Dry River

September 9th, 2003
1200 cfs

15 miles upstream the
river was almost dry



A day later the
flow had subsided

State Engineer Hal Simpson and Division Engineer Ken Beegles with Division 7 "Water Commissioner of the Year" Wally Patcheck

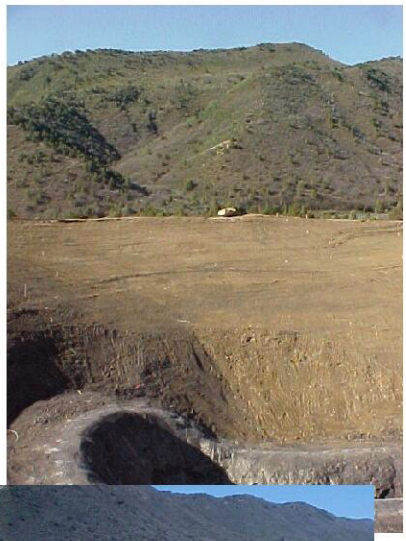
Retiring Water Commissioners Hal Pierce and Harold Baxstrom

Harold Baxstrom inspecting a structure in District 30

Water Commissioner Bob Daniels inspecting a structure off of the Pine River

Construction began on

Ridges Basin Reservoir for the Animas-La Plata Project



A beaver dam, known as the Redwood Dam, on the Mancos River became an administrative issue

Johnson Reservoir started the year with 286 acre-feet of water

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS as of June 1, 2003

*Based on selected stations

Nearly all of the measurable snow has melted in these basins. Wolf Creek Summit in the San Juan River Basin and Columbus Basin in the Animas Basin are the only sites with measurable snow. The measurements at these SNOTEL sites indicate that the combined snowpack percent of average is about 10%. Snowpack in the San Juan Basin is about 23% of average, while in the Animas it is only 1% of average. Precipitation during April was only 53% of average, and the water year total is only 74% of average. There has been 170% of the amount of precipitation there was last water year by this time. Reservoirs in the basin have benefited from the runoff from the snowmelt, and storage is up from only 65% of average last month to 73% of average on June 1. There is 28% more storage than last year at this time. Most of the streamflow forecasts are near or below average. They range from only 43% of average at the inflow to Navajo Reservoir, to 67% of average on the San Miguel River near Placerville.

TRANSMOUNTAIN DIVERSION SUMMARY ----- OUTFLOWS

SOURCE								RECIPIENT		
				10-YEAR AVG.		CURRENT YEAR				
WD	ID	NAME	STREAM	AF	DAYS	AF	DAYS	WD	ID	STREAM
29	4669	TREASURE PASS DITCH	SAN JUAN RIVER	118.4	29.5	0	0	20	921	RIO GRANDE RIVER
30	4660	CARBON LAKE DITCH	ANIMAS RIVER	244.4	74	0	0	68	692	UNCOMPAHGRE RIVER
30	4661	MINERAL POINT DITCH	ANIMAS RIVER	91.9	43.9	0	0	68	609	UNCOMPAHGRE RIVER
30	4662	RED MOUNTAIN DITCH	ANIMAS RIVER	50.2	42.6	374	94	68,41	604,549	UNCOMPAHGRE RIVER
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	434.8	57.1	103	18	20	919	RIO GRANDE RIVER
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	495.7	15.7	64.1	5	20	922	RIO GRANDE RIVER
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	338.3	79.5	226	114	20	923	RIO GRANDE RIVER
78	4670	DON LA FONT #1 (S RIVER PEAK)	PIEDRA RIVER	4.1	4.4	0	0	20	917	RIO GRANDE RIVER
78	4671	DON LA FONT #2 (PIEDRA PASS D.)	PIEDRA RIVER	55.8	25.2	0	0	20	918	RIO GRANDE RIVER

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
29	3507	Harris Bros Boone Res 2	Blanco River	0.0	11/01/02	172.3	05/27/03	90.6
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.8	11/01/02	67.9	04/22/03	67.9
29	3654	Echo Canyon Reservoir	Echo Creek	1,626.5	12/02/02	2,087.0	05/30/03	1,973.0
29	3682	Thomas Reservoir	San Juan R.	58.0	11/01/02	58.0	04/22/03	58.0
29	3848	Mountain View Reservoir	Four Mile Creek	1,000.0	11/01/02	1,009.8	04/03/03	1,009.8
		Total of all < 50 AF		237.8		324.8		299.2
		Total for District 29		2,990.1		3,719.8		3,498.5

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
30	3534	Andrews Lake	Lime Creek	131.0	11/01/02	131.0	10/31/03	131.0
30	3536	Cascade	Elbert Creek	7,957.0	04/15/03	23,052.0	09/16/03	20,413.0
30	3540	Haviland Lake	Elbert Creek	343.0	11/01/02	526.0	04/30/03	521.0
30	3546	Ice Lake	Elbert Creek	376.0	11/01/02	416.0	04/11/03	416.0
30	3547	Keeler Lake	Elbert Creek	420.0	11/01/02	488.0	04/11/03	488.0
30	3548	Lake of the Pines	Little Cascade Creek	107.0	08/30/03	114.0	11/01/02	114.0
30	3560	Turner Ponds	Animas River	0.0	04/30/03	84.0	08/30/03	63.0
30	3561	Turner Reservoir	Waterfall Creek	287.0	04/30/03	412.0	06/30/03	391.0
30	3576	Florida Canal and Res	Florida River	301.5	10/20/03	418.5	06/10/03	301.5
30	3581	Lemon Reservoir	Florida River	5,336.0	11/03/02	20,346.0	06/04/03	9,820.0
30	3622	Henderson Lake*	Animas River	0.0		0.0		0.0
30	3625	Naegelin Lake	Junction Creek	150.0	11/01/02	300.0	05/31/03	255.0
30	3630	Twilight Lake	Purgatory Creek	59.0	07/31/03	60.0	11/01/02	60.0
30	3707	Johnson Reservoir	Coal Creek	228.0	04/11/03	409.0	06/12/03	258.0
30	3724	Johnson Lake #2	Wildcat Canyon	0.0	10/31/03	30.0	11/01/02	0.0

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
30	3817	Dry Lake	Animas River	27.5	11/01/02	55.0	05/14/03	55.0
		Total of all < 50 AF		225.4		306.0		273.7
		Total for District 30		15,948.4		47,147.5		33,560.2

*Unable to obtain readings this year due to road closure by USFS for Missionary Ridge Fire restoration.

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
31	3517	Wommer Reservoir	Little Bear Creek	136.4	10/31/03	167.6	05/07/03	136.4
31	3518	Vallecito Reservoir	Pine River	24,250.5	09/08/03	82,904.8	06/06/03	38,498.7
31	3805	Gosney Gravel Pit	Pine River	47.4	05/01/03	118.0	11/01/02	47.4
		Total of all < 50 AF		0.0		0.0		0.0
Total for District 31				24,434.3		83,190.4		38,682.5

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
32	3601	Totten Reservoir	Transbasin Water	1,296.8	07/28/03	1,857.0	10/15/03	1,857.0
32	3602	Narraguinnep Reservoir	Transbasin Water	1,998.6	09/08/03	18,960.0	06/13/03	2,587.5
32	3603	A M Puett Reservoir	Transbasin Water	309.0	11/01/02	2,275.6	05/23/03	309.0
		Total of all < 50 AF		77.5		90.7		90.7
		Total for District 32		3,681.9		23,183.3		4,844.2

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
33	3522	Red Mesa Ward Reservoir	Hay Gulch	90.5	11/07/02	1,004.0	04/01/03	280.5
33	3523	Taylor Reservoir	La Plata River	85.6	11/01/02	85.6	10/31/03	85.6
		Total of all < 50 AF		0.0		0.0		0.0
		Total for District 33		176.1		1,089.6		366.1

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
34	3585	Bauer Reservoir No 1	Crystal Creek	13.7	11/01/02	357.0	04/01/03	51.0
34	3586	Bauer Reservoir No 2	Chicken Creek	368.3	11/01/02	1,532.9	05/01/03	665.6
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	2,452.0	12/31/02	9,583.0	05/13/03	2,986.0
34	3590	L A Bar Reservoir	Chicken Creek	14.4	08/05/03	44.3	11/01/02	14.4
34	3592	Sellers & McClane Res	Mud Creek	24.0	11/01/02	41.5	04/14/03	16.2
34	3594	Weber	Middle Fork Mancos R	10.9	11/01/02	458.9	05/01/03	115.7
		Total of all < 50 AF		23.0		23.0		23.0
		Total for District 34		2,906.3		12,040.6		3,494.7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
69	3529	Belmar Lake Reservoir	Rincone Creek	188.0	10/30/03	300.0	04/03/03	188.0
69	3530	Dunham Reservoir	Disappointment Creek	37.5	11/01/02	58.0	06/05/03	40.0
69	3532	Morrison Reservoir	Morrison Creek	81.0	11/02/02	116.0	05/13/03	100.0
		Total of all < 50 AF		16.8		41.5		32.3
		Total for District 69		323.3		515.5		360.3

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
71	3606	Big Pine Reservoir	Lost Canyon	107.0	08/24/03	259.0	04/01/03	119.0
71	3607	Buck Pasture Reservoir	Beaver Creek	6.7	11/01/02	53.0	04/01/03	6.3
71	3610	Ethel Belmear Reservoir	Beaver Creek	41.0	11/01/02	87.0	04/30/03	50.0
71	3612	Groundhog Reservoir	Groundhog Creek	3,811.0	11/01/02	9,305.0	06/26/03	6,854.0
71	3613	Lost Canyon Lake*	Lost Canyon	26.0	11/01/02	90.0	10/30/03	26.0
71	3614	McPhee Reservoir	Dolores River	156,567.0	11/01/02	242,902.0	05/31/03	173,943.0
71	3619	Summit Reservoir	Lost Canyon	425.0	11/01/02	4,398.0	05/19/03	673.0
		Total of all < 50 AF		4.2		13.2		13.2
		Total for District 71		160,987.9		257,107.2		181,684.5

*2002 end of year obervation incorrect pursuant to owner supplied information in IYR 2003

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
77	3512	Spence Reservoir*	Coyote Creek	0.0	11/01/02	62.0	10/24/03	62.0
77	3696	Sappington Reservoir	Coyote Creek	133.0	11/01/02	312.0	04/29/03	232.0
		Total of all < 50 AF		15.4		15.4		15.4
		Total for District 77		148.4		389.4		309.4

*Spence Reservoir collapsed outlet repaired 2003. Storage resumed during fall of 2003, with new capacity table.

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
78	3624	Dunagan Reservoir	Stollsteimer Creek	0.5	11/01/02	67.5	04/01/03	50.5
78	3626	G S Hatcher	Stollsteimer Creek	1,087.7	11/01/02	1,735.0	03/24/03	1,455.4
78	3629	Linn and Clark Reservoir	Dutton Creek	607.5	12/02/02	1,144.8	05/12/03	982.0
78	3636	Pinõn Lake	Dutton Creek	18.5	11/01/02	82.0	04/01/03	30.0
78	3642	Williams Creek Reservoir	Williams Creek	10,084.0	11/01/02	10,084.0	10/27/03	10,084.0
78	3644	Lake Forest	Dutton Creek	418.6	01/02/02	465.0	03/03/03	439.2
78	3645	Stevens Reservoir	Dutton Creek	246.4	11/01/02	635.0	04/01/03	560.3
78	3646	Town Center Lake	Dutton Creek	272.5	11/01/02	550.8	05/01/03	420.0
78	3650	Palisade Lake	Middle Fork Piedra R	45.0	10/22/03	50.0	11/01/02	45.0
		Total of all < 50 AF		66.6		115.4		71.1
		Total for District 78		12,846.8		14,929.5		14,137.5

2003 WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES		ESTIMATED	TOTAL	TOTAL	TO IRRIGATION		
	WITH RECORD (1)	NO WATER AVAILABLE (2)	NO WATER TAKEN (3)	NO INFORMATION AVAILABLE (4)	NO RECORD (5)	NUMBER OF VISITS TO STRUCTURE	DIVERSIONS (ACRE-FEET)	DIVERSIONS TO STORAGE (ACRE-FEET)	TOTAL DIVERSIONS (ACRE-FEET)	NUMBER OF ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
29	287	82	202	7	0	3,448	90,574	389	43,638	8,669	5.03
30	830	154	461	2	0	9,533	250,594	45,636	134,130	30,158	4.45
31	162	171	234	3	0	8,639	367,823	74,966	154,099	49,613	3.11
32 *	184	81	288	25	0	5,383	264,919	13,813	194,705	57,372	3.39
33	56	187	47	0	0	6,063	20,152	893	15,277	3,133	4.88
34 **	202	55	152	24	0	3,823	51,958	11,134	35,123	10,586	3.32
46	38	16	16	0	0	529	3,949	0	3,043	785	3.88
69	25	4	9	1	0	162	2,404	284	2,101	1,136	1.85
71	142	1	71	9	0	3,656	297,380	107,449	15,503	1,660	9.34
77***	105	20	45	0	0	1,567	41,919	241	11,459	2,145	5.34
78	140	52	85	1	0	2,518	28,694	2,123	21,894	4,100	5.34
TOTAL	2,171	823	1,610	72	0	45,321	1,420,366	256,928	630,972	169,357	3.73

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} + CIU=I

(4) Count of structures with CIU=A and NUC={E,F}

(5) Count of structures with CIU=U

* Total Deliveries from Dolores River Basin, Dist. 71, 191,364 A.F. of which 148,217 A.F. were for irrigation.

** Total Deliveries from Dolores River Basin, Dist. 71, 699 A.F. of which 651 A.F. were for irrigation.

*** Total Deliveries from Dist. 29, 0 A.F. (No deliveries from transbasin diversions IY 2003)

2003 WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
29***	185	6,681	992	1,248	0	0	4,884	53	423
30	374	0	4,673	1,093	537	386	7,019	318	8,670
31	167	0	1,246	221	0	0	855	20	40
32 *	0	0	5,543	1	24	0	0	24	766
33	0	389	2	7	0	0	0	23	2,058
34	0	0	639	3	0	0	913	7	3,763
46	0	0	0	0	0	0	0	0	9
69	0	0	0	0	0	0	0	0	1
71 **	167,744	44	241	2	0	1	5,141	14	263
77	0	0	0	0	0	0	826	30	106
78	226	0	1,560	6	0	0	547	16	597
TOTAL	168,696	7,114	14,896	2,581	561	387	20,185	505	16,696

* Municipal Use in Dist. 32 delivered from Transbasin - Dist. 71.

** Transbasin outflow in Dist. 71 diverted to Dist. 32 and Dist. 34.

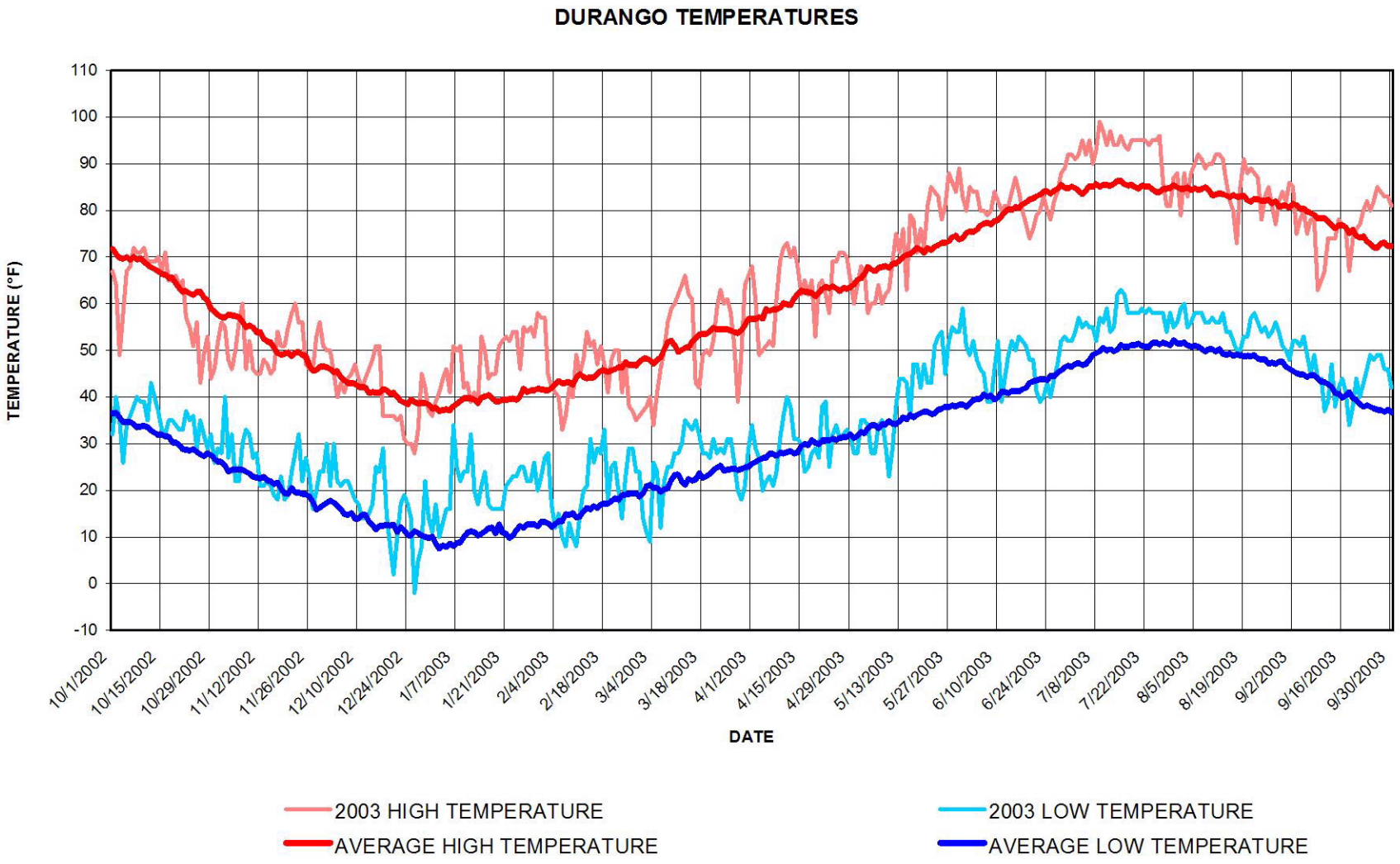
*** Transbasin outflow in Dist 29 includes 0 af to Dist. 77 (No deliveries from transbasin IY 2003).

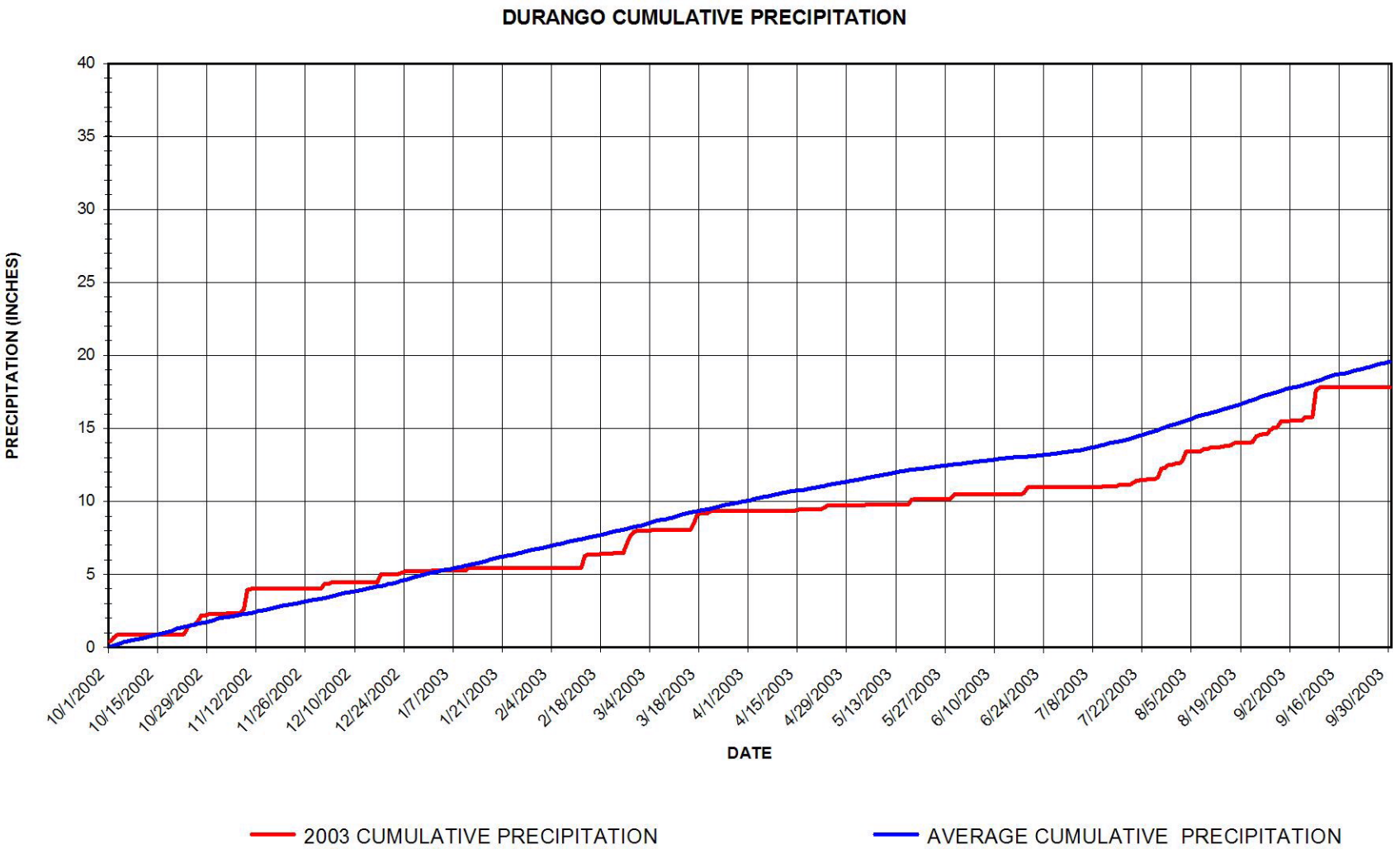
Remainder is Trans Sub-basin diversion in Snowball Ditch System.

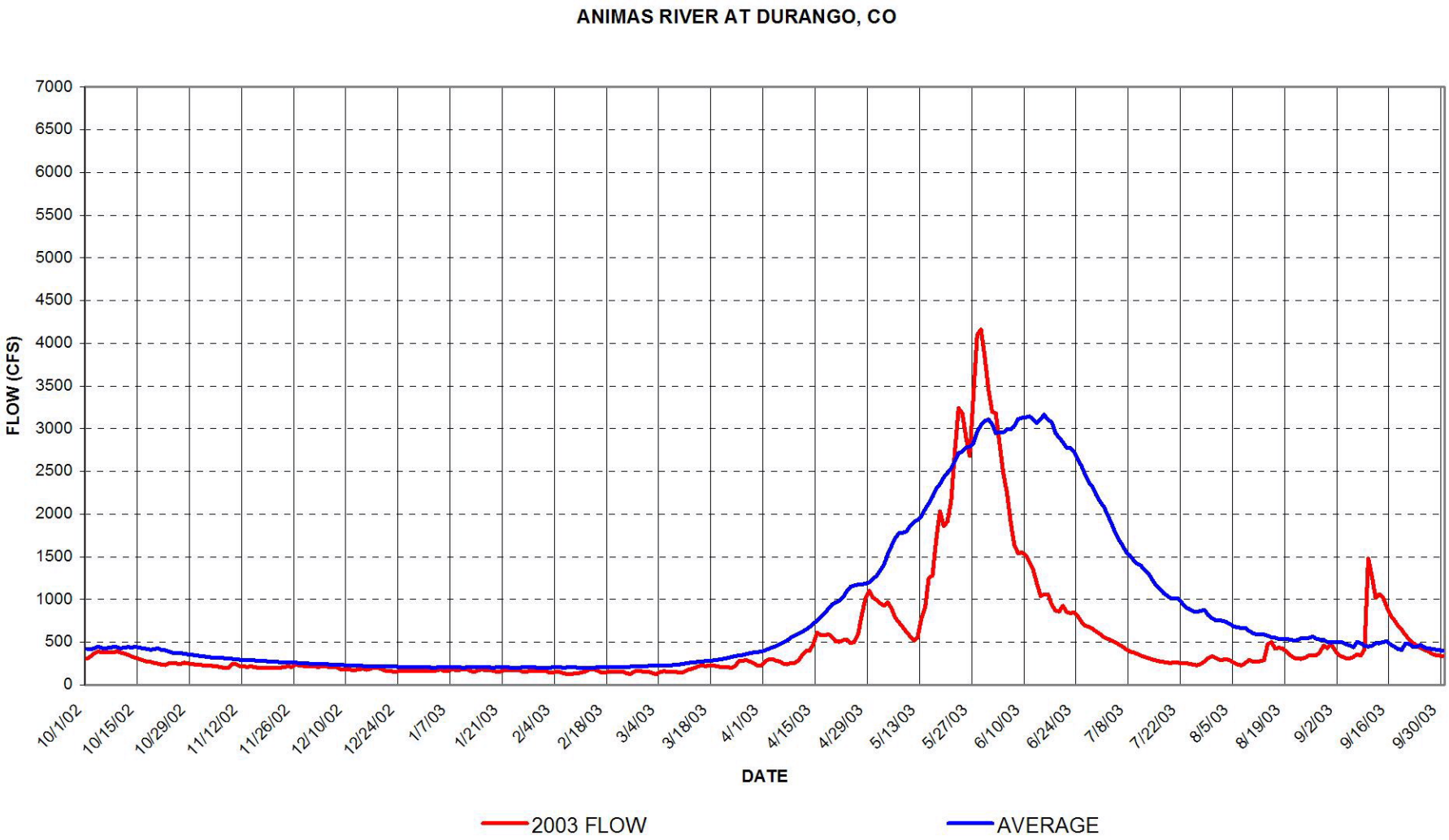
2003 WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

WD	AUGMENTATION	EVAPORATION	FEDERAL RESERVE	GEOTHERMAL *	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
29	20	0	0	0	0	0	0	0	0	0
30	211	503	0	0	116	0	31,300	2	0	0
31	512	3,217	0	0	0	0	132,934	0	0	0
32	3	0	8	0	0	0	23,301	0	0	0
33	4	0	0	0	0	0	0	0	0	0
34	5	4	74	0	0	0	8,172	0	0	0
46	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0
71	177	107	0	0	0	0	3,151	1	0	0
77	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0
TOTAL	932	3,831	82	0	116	0	198,858	3	0	0

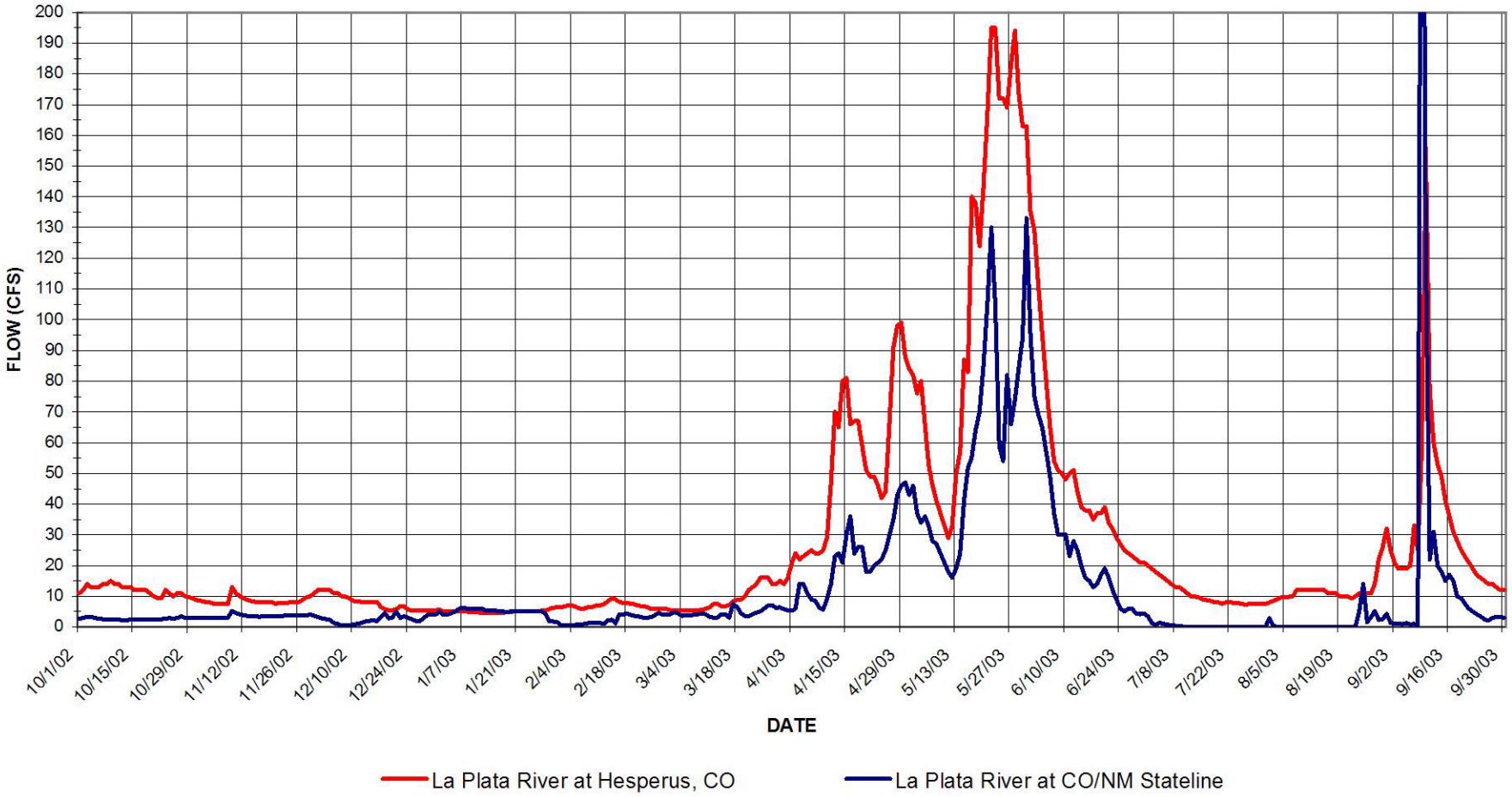
* Geothermal water included in Commercial, Municipal, and Recreation categories.


DURANGO TEMPERATURES
TEMPERATURE (°F)
110
100
90
80
70
60
50
40
30
20
10
0
-10
10/1/2002
10/15/2002
10/29/2002
11/12/2002
11/26/2002
12/10/2002
12/24/2002
1/7/2003
1/21/2003
2/4/2003
2/18/2003
3/4/2003
3/18/2003
4/1/2003
4/15/2003
4/29/2003
5/13/2003
5/27/2003
6/10/2003
6/24/2003
7/8/2003
7/22/2003
8/5/2003
8/19/2003
9/2/2003
9/16/2003
9/30/2003
DATE
2003 HIGH TEMPERATURE
AVERAGE HIGH TEMPERATURE
2003 LOW TEMPERATURE
AVERAGE LOW TEMPERATURE


DURANGO CUMULATIVE PRECIPITATION
PRECIPITATION (INCHES)
40
35
30
25
20
15
10
5
0
10/1/2002
10/15/2002
10/29/2002
11/12/2002
11/26/2002
12/10/2002
12/24/2002
1/7/2003
1/21/2003
2/4/2003
2/18/2003
3/4/2003
3/18/2003
4/1/2003
4/15/2003
4/29/2003
5/13/2003
5/27/2003
6/10/2003
6/24/2003
7/8/2003
7/22/2003
8/5/2003
8/19/2003
9/2/2003
9/16/2003
9/30/2003
DATE
2003 CUMULATIVE PRECIPITATION
AVERAGE CUMULATIVE PRECIPITATION


ANIMAS RIVER AT DURANGO, CO
FLOW (CFS)
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
10/1/02
10/15/02
10/29/02
11/12/02
11/26/02
12/10/02
12/24/02
1/7/03
1/21/03
2/4/03
2/18/03
3/4/03
3/18/03
4/1/03
4/15/03
4/29/03
5/13/03
5/27/03
6/10/03
6/24/03
7/8/03
7/22/03
8/5/03
8/19/03
9/2/03
9/16/03
9/30/03
DATE
2003 FLOW
AVERAGE

LA PLATA RIVER COMPACT - 2003 WATER YEAR



LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY (ACRE-FEET)
2003 WATER YEAR

MONTH	HESPERUS STATION	LA PLATA & CHERRY CR. DITCH	PINE RIDGE DITCH	30% OF KELLER DITCH	HESPERUS TOTAL	STATE LINE STATION	ENTERPRISE DITCH (NM)	PIONEER DITCH	DELIVERED STATE LINE TOTAL	REQUIRED TOTAL (1/2 HESP TOTAL)
DECEMBER	484	0.0	0.0	0.0	484.0	150	0.0	0.0	0.0	---
JANUARY	311	0.0	0.0	0.0	311.0	300	0.0	0.0	0.0	---
FEBRUARY	388	0.0	0.0	0.0	197.7*	132	0.0	0.0	104.3*	92.7*
MARCH	561	0.0	39.3	0.0	600.7	359	7.7	0.0	366.3	286.9
APRIL	3153	40.1	50	2.2	3245.4	1297	117	171.9	1586.7	1540.8
MAY	6784	905	405	21.4	8115.5	3599	152	213	3963.4	3879.5
JUNE	2841	590	48.6	9.9	3489.7	1612	138	166	1915.5	1911.2
JULY	620	0	0.0	0.0	620.2	22	0.8	14.1	36.8	321.7
AUGUST	711	0.0	0.0	0.0	711.3	87	6.5	1.4	95.2	330.8
SEPTEMBER	1777	38.9	48.0	0.0	1864.1	991	42.9	34.7	1068.1	683.5
OCTOBER	647	0.0	0.0	0.0	647.4	180	76.6	13.6	270.5	324.4
NOVEMBER	408	0.0	0.0	0.0	407.5	221	13.3	7.2	241.7	205.4
TOTALS *	17700.5	1573.9	591.6	33.5	19899.5	8472.1	554.8	621.7	9648.5	9576.9

On Feb. 15th, Colorado began requested deliveries up to 25 cfs or 1/2 upper index flow, whichever is less.

On Feb. 15, current river flow is split by dry reach above Long Hollow

La Plata at CO/NM Stateline estimated May 19-23 due to plugged inlets

After June 30, river deliveries from sources above Hay Gulch were considered futile.

* TOTALS ARE FOR PERIOD OF COMPACT CALL.

After July 7, river deliveries from sources above Long Hollow were considered futile.

After July 14, no water was being measured at any of the recording stations at the stateline.

On July 21, delivery to any of the stateline gages was considered futile.

Split River for the entire month of August

Split River Sept. 1-9, 2003

UPPER BASIN COMPACT -- SAN JUAN-CHAMA DIVERSIONS

WATER YEAR	RIO BLANCO DIVERSION	LITTLE OSO DIVERSION	OSO DIVERSION	TOTAL COLO. DIVERSION	AZOTEA TUNNEL (USGS)	TEN-YEAR TOTALS (USGS)	% DIFF
1971	23,510	1,340	24,980	49,830	59,980		-20.4%
1972	28,290	1,120	24,310	53,720	58,070		-8.1%
1973	70,900	9,720	79,810	160,430	153,300		4.4%
1974	25,290	1,070	18,700	45,060	47,230		-4.8%
1975	58,780	8,120	69,200	136,100	145,100		-6.6%
1976	41,000	2,420	36,950	80,370	85,230		-6.0%
1977	13,450	37	3,930	17,417	19,390		-11.3%
1978	44,010	2,820	50,310	97,140	104,200		-7.3%
1979	60,150	8,980	87,730	156,860	164,200		-4.7%
1980	57,760	6,970	72,460	137,190	143,600	980,300	-4.7%
1981	25,690	1,640	22,260	49,590	53,960	974,280	-8.8%
1982	48,340	6,860	63,810	119,010	127,100	1,043,310	-6.8%
1983	46,960	8,110	69,680	124,750	134,300	1,024,310	-7.7%
1984	45,180	6,070	55,220	106,470	113,600	1,090,680	-6.7%
1985	32,700	9,630	44,630	86,960	91,800	1,037,380	-5.6%
1986	35,520	4,720	43,620	83,860	89,180	1,041,330	-6.3%
1987	32,120	4,380	42,360	78,860	83,050	1,104,990	-5.3%
1988	29,200	972	29,780	59,952	63,530	1,064,320	-6.0%
1989	20,400	672	26,630	47,702	48,570	948,690	-1.8%
1990	37,630	1,480	32,510	71,620	71,700	876,790	-0.1%
1991	51,730	3,930	59,780	115,440	119,400	942,230	-3.4%
1992	32,910	6,340	43,990	83,240	87,080	902,210	-4.6%
1993	34,960	6,210	52,740	93,910	98,810	866,720	-5.2%
1994	28,080	5,020	44,260	77,360	82,200	835,320	-6.3%
1995	34,980	5,220	44,840	85,040	86,270	829,790	-1.4%
1996	26,780	950	27,640	55,370	57,240	797,850	-3.4%
1997	62,320	4,450	71,470	138,240	141,200	856,000	-2.1%
1998	47,910	2,110	45,370	95,390	97,280	889,750	-2.0%
1999	58,690	2,040	55,980	116,710	120,500	961,680	-3.2%
2000	20,230	1,150	19,130	40,510	42,740	932,720	-5.5%
2001	47,710	3,900	53,740	105,350	110,600	923,920	-5.0%
2002	3,967	36	1,740	5,743	6,310	843,150	-9.9%
2003	29,850	1,130	28,040	59,020			
AVG.	38,348	4,015	44,361	86,725	90,835	873,690	-4.7%

LIMITS: 1,350,000 ACRE-FEET IN ANY TEN CONSECUTIVE YEARS, 270,000 ACRE-FEET IN ANY YEAR

WATER DIVISION SEVEN

ACTIVITY SUMMARY

FISCAL YEAR 2003

ACTIVITY	TOTAL
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	10.17
NUMBER OF DECREED "SURFACE" RIGHTS (FOR THE CURRENT YEAR)	41
NUMBER OF SURFACE RIGHTS ADMINISTERED	17,862
NUMBER OF WELLS ADMINISTERED	613
NUMBER OF DAMS & PONDS VISITED	716
NUMBER OF PLANS FOR AUGMENTATION (FOR THE CURRENT YEAR)	2
NUMBER OF CONSULTATIONS WITH REFEREE	146
NUMBER OF WATER COURT APPEARANCES	56
NUMBER OF MEETINGS WITH WATER USERS	210
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	190
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	Unknown

WATER COURT ACTIVITIES
CALENDAR YEAR 2003

NUMBER OF APPLICATIONS FOR DECREES	123
NUMBER OF CONSULTATIONS WITH REFEREE	93
NUMBER OF DECREES ISSUED BY WATER COURT	88

TYPE OF DECREE:

SURFACE WATER	57
GROUND WATER	1
RESERVOIRS	3
TRANSFER	0
ALTERNATE POINT	1
CHANGE IN USE	16
PLANS FOR AUGMENTATION	2
IN-STREAM FLOW	0
OTHER	0
PROTEST TO ABANDONMENT LIST	0
NUMBER OF WATER RIGHTS IN DECREES:	79

TYPE OF STRUCTURES:

DITCHES	36
RESERVOIRS, PONDS	15
WELLS	5
SPRINGS	10
OTHER (PIPELINES, PUMPS, ETC.)	58
TOTAL STRUCTURES:	124

OFFICE ADMINISTRATION FY 2003

NAME	POSITION	FY MONTHS BUDGETED	WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engineer	12	12	1,100
Bruce T. Whitehead	Asst. Div. Engineer	12	12	1,892
Brett Nordby	Dam Safety Engineer	10	3	4,558
		* Brett resigned 10/01/2002 / 7 months vacancy savings		
Dennis Miller	Dam Safety Engineer	2	2	1,392
		* Dennis transferred to Division 7 and 3 5/1/2003		
Scott D. Brinton	Hydrographer	12	12	14,550
Shari Titus	Program Asst. I	12	10.5	0
		* Shari transferred 5/15/2003 / 1.5 months vacancy savings		
Stephanie LeMasters	Program Asst. I	0	1	0
		* Stephanie hired as a temp 6/1/2003		

FULL-TIME EMPLOYEES IN THE FIELD

NAME	POSITION	DISTRICT			
John (Val) Valentine	Eng Tech II	29,77,78	12	12	12,249
Harold Baxstrom	Eng Tech II	30/Florida	12	12	8,551
Hal Pierce	Eng Tech II	30/ Animas	12	12	6,535
Robert Daniels	Eng Tech II	31, 46	12	12	16,098
Matthew Schmitt	Eng Tech II	33	12	12	11,712
Robert Becker	Eng Tech III	69, 71	12	12	7,467
Denise Miller	Eng Tech II	69,71	12	3	806
			* Denise transferred 4/1/2003 / 9 months vacancy savings		

PERMANENT PART-TIME EMPLOYEES IN THE FIELD

Erika Berglund	Eng Tech I	31,46	8.5	0.5	1,289
		* Erika resigned 7/15/2002 / 8 months vacancy savings			
Terri Watson	EPS Asst. I	31,46	0	1.5	497
Marty Robbins	Eng Tech I	32	9	9	16,858
Wallace Patcheck	EPS Asst. III	33	4	4	6,878
Sherry Schutz	Eng Tech I	77	7.5	7.5	7,318
Bob Formwalt	Eng Tech I	78	5	5	5,965
Jeff Titus	EPS Asst. III	30/Animas	3	4*	6,816

SPECIAL NOTE: * 1 Month Overtime Converted

TOTAL MAN-MONTHS:	172.5	160.5	
TOTAL FTE:	14.38	13.38	
TOTAL MILES DRIVEN:			132,531

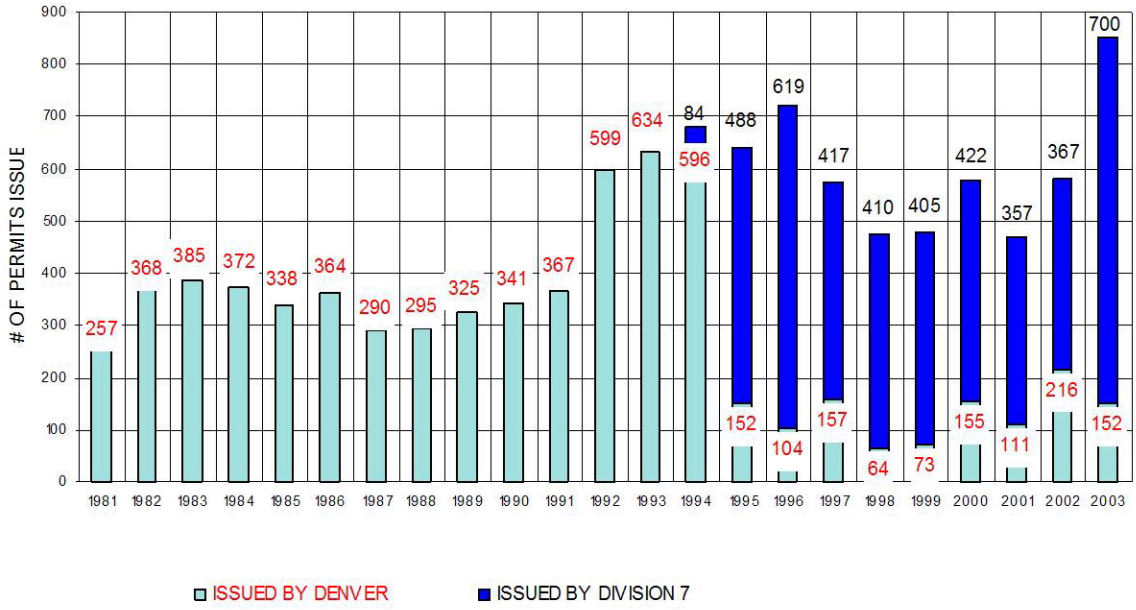
DIVISION 7
2003 RIVER CALLS

WD	RIVER	INITIAL CALLING STRUCTURE	PRIORITY No.	DATE ON CALL	MOST SENIOR CURTAILED STRUCTURE	PRIORITY No.	DATE OFF CALL	DAYS
29	COAL CREEK	J M Ross and Sturgill D	139	07/03/03	Sturgill Ditch	140	10/06/03	95
29	FOUR MILE CREEK	Mesa Ditch	58	05/07/03	Dutton Ditch	173	09/09/03	125
29	RITO BLANCO	M. O. Brown Ditch	25	06/11/03	Echo Ditch	6	10/31/03	142
29	McCabe Creek	Goodman-Gomez Ditch	68-247	07/15/03	Nelson Ditch	12/31/1991	07/18/03	3
30	FLORIDA RIVER	Florida Farmers Ditch	66-52	05/13/03	Florida Farmers Ditch	F-17	08/06/03	85
30	ELBERT CREEK (Upper)	Power Canal No 1	65-9A	11/04/02	Power Canal No1	65-9A	10/31/03	362
30	ELBERT CREEK (Lower)	Conley Ditch	E-1	05/20/03	Conley Ditch	E-1	10/06/03	125
30	JUNCTION CREEK	Animas City Ditch	J-2	07/21/03	Animas City Ditch	J-2	10/31/03	103
30	LIGHTNER CREEK (Lower)	Taggart Ditch	L-4	08/11/03	Taggart Ditch	L-4	09/09/03	29
30	LITTLE CASCADE CREEK	Little Cascade Creek Canal	65-9	11/04/02	Little Cascade Creek Canal	65-9	10/31/03	362
31	PINE RIVER	Vallecito Reservoir	65-R1	05/07/03	Dr Morrison Ditch, Ceanaboo Ditch, Nanice Ditch, Spring Creek (509)	P-1	10/31/03	178
32	McELMO CREEK	Rock Creek Ditch	62-1	04/28/03	Blum Ditch	62-2	07/30/03	94
32	Hartman Draw	Wilson Ditch	62-5	07/16/03	Green Ditch	62-7	08/04/03	19

DIVISION 7
2003 RIVER CALLS
(continued)

WD	RIVER	INITIAL CALLING STRUCTURE	PRIORITY No.	DATE ON CALL	MOST SENIOR CURTAILED STRUCTURE	PRIORITY No.	DATE OFF CALL	DAYS
33	LA PLATA RIVER (Hesperus to Breen)	Big Stick Ditch	10	12/01/02	Hay Gulch Ditch	5	10/31/03* *Call extended to end of Compact period 12/01/03	234
33	LA PLATA RIVER (Hesperus to Stateline)	Hay Gulch Ditch	5	04/01/03	Hay Gulch Ditch	5	06/30/03	91
33	LA PLATA RIVER (Breen to Stateline)	Revival Ditch	57	12/01/02	Sooner Valley Ditch	41	04/01/03	121
33	LA PLATA RIVER (Long Hollow to Stateline)	Morgan and Stambaugh D	55	07/07/03	Sooner Valley Ditch	2/10/1900	09/09/03	64
33	LA PLATA RIVER (Long Hollow to Pioneer Ditch)	Sooner Valley Ditch	41	07/01/03	Sooner Valley Ditch	41	08/25/03	35
33	Hay Gulch	Old Indian Ditch	36	07/01/03	Spring Ditch (Hotter)	28	09/09/03	71
34	MANCOS RIVER	No 6 Ditch	M-5	06/04/03	No 6 Ditch	M-5	09/12/03	100
34	CHICKEN CREEK	Carpenter and Mitchell D	M-13	05/16/03	Bauer Reservoir No 2	R-3	09/12/03	119
71	DOLORES RIVER	Narraguinnep Reservoir	12406 (10/28/07)	02/21/03	McPhee Reservoir	62-18R	10/15/03	115
77	OIL WELL CREEK	McMullen Ditch	68-50	06/17/03	Non-Decreed Pond	-	10/31/2003	135
78	PLUMTEAU CREEK	Lynd-Plumteau Ck Ditch	35	06/17/03	Burkhard Ditch	12/31/1970	10/09/03	115

DIVISION 7 WELL PERMIT ACTIVITY



SUMMARY OF WELL PERMITS ISSUED FOR DIVISION 7

CALENDAR YEAR	ISSUED BY DENVER	ISSUED BY DIVISION 7
1980	193	
1981	257	
1982	368	
1983	385	
1984	372	
1985	338	
1986	364	
1987	290	
1988	295	
1989	325	
1990	341	
1991	367	
1992	599	
1993	634	
1994	596	84
1995	152	488
1996	104	619
1997	157	417
1998	64	410
1999	73	405
2000	155	422
2001	111	357
2002	216	367
2003	152	700

2003 IRRIGATION YEAR SUMMARY
DISTRICT 29

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	41,267
STORAGE	377
STOCKWATER	423
MUNICIPAL	992
DOMESTIC	53
INDUSTRIAL	0
RECREATION	0
FISH	4,884
OTHER:COMMERCIAL,AUGMENTATION	1,248
TRANSMOUNTAIN-TRANSBASIN	6,798
INTERSTATE	30,083
TOTAL DIVERSIONS.....	86,125
DELIVERIES FROM STORAGE	
IRRIGATION	3
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	68
OTHER:AUGMENTATION,ETC.	20
TOTAL DIVERSIONS.....	91
DELIVERIES FROM TRANS SUB-BASIN	
IRRIGATION	2,060
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	2,060
DUTY OF WATER:	
TOTAL TO IRRIGATION	43,330
ACRES IRRIGATED	8,669
ACRE-FEET DIVERTED PER ACRE	5.00
NUMBER OF STRUCTURES OBSERVED	595
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	5
ACTIVE DIVERSIONS-DAILY	183
-INFREQUENT STRUCTURES	118
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	84
-NOT USED (A,C,D, CODES)	202
-NO INFORMATION AVAILABLE (F CODE)	3
NUMBER OF DITCHES, SURFACE RIGHTS	394
NUMBER OF RESERVOIRS	103
NUMBER OF WELLS	82
NUMBER OF OBSERVATIONS	3,448

2003 IRRIGATION YEAR SUMMARY
DISTRICT 30

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	116,802
STORAGE	44,949
STOCKWATER	8,316
MUNICIPAL	4,673
DOMESTIC	317
INDUSTRIAL,POWER	13,938
RECREATION	365
FISH	7,019
OTHER:COMMERCIAL,RECHARGE,AUGMENTATION,etc..	861
SNOWMAKING	31
TRANSMOUNTAIN-TRANSBASIN	374
INTERSTATE	13,335
TOTAL DIVERSIONS.....	210,980
DELIVERIES FROM STORAGE	
IRRIGATION	17,251
DOMESTIC	1
MUNICIPAL	0
STOCK	354
INDUSTRIAL,POWER	17,899
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,RECHARGE,EVAP,AUGMENTATION	927
SNOWMAKING	85
TOTAL DIVERSIONS.....	36,517
DELIVERIES FROM TRANSBASIN	
IRRIGATION	77
STORAGE	277
MUNICIPAL	0
STOCK	0
OTHER:COMMERCIAL,RECREATION,etc.	40
TOTAL FROM TRANSBASIN.....	394
DUTY OF WATER:	
TOTAL TO IRRIGATION	134,130
ACRES IRRIGATED	30,158
ACRE-FEET DIVERTED PER ACRE	4.45
NUMBER OF STRUCTURES OBSERVED	1,535
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	262
-INFREQUENT STRUCTURES*	654
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	156
-NOT USED (A,C,D, CODES)	461
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES	843
NUMBER OF RESERVOIRS	189
NUMBER OF WELLS	468
NUMBER OF OBSERVATIONS	9,533

2003 IRRIGATION YEAR SUMMARY
DISTRICT 31

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	91,575
	STORAGE	74,966
	STOCKWATER	40
	MUNICIPAL	720
	DOMESTIC	20
	POWER,INDUSTRIAL	132,934
	RECREATION	0
	FISH	855
	OTHER:COMMERCIAL	221
	TRANSMOUNTAIN-TRANSBASIN	167
	TOTAL DIVERSIONS.....	301,498
DELIVERIES FROM STORAGE		
	IRRIGATION	62,524
	DOMESTIC	0
	MUNICIPAL	526
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:EVAPORATION,AUGMENTATION	3,729
	TOTAL DIVERSIONS.....	66,779
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	154,099
	ACRES IRRIGATED	49,613
	ACRE-FEET DIVERTED PER ACRE	3.11
NUMBER OF STRUCTURES OBSERVED		909
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	150
	-INFREQUENT STRUCTURES	352
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	171
	-NOT USED (A,C,D, CODES)	233
	-NO INFORMATION AVAILABLE (F CODE)	3
NUMBER OF DITCHES, OTHER SURFACE RIGHTS		472
NUMBER OF RESERVOIRS		70
NUMBER OF WELLS		351
NUMBER OF OBSERVATIONS		8,639

2003 IRRIGATION YEAR SUMMARY
DISTRICT 32

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	28,859
	STORAGE	213
	STOCKWATER	20
	MUNICIPAL	30
	DOMESTIC	24
	INDUSTRIAL	24
	RECREATION	0
	FISH	0
	OTHER:COMMERCIAL,FEDERAL RESERVE	9
	TRANSMOUNTAIN-TRANSBASIN	0
	TOTAL DIVERSIONS.....	29,179
DELIVERIES FROM STORAGE		
	IRRIGATION	17,629
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	15
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:COMMERCIAL,AUGMENTATION,EVAPORATION	1
	TOTAL DIVERSIONS.....	17,645
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	148,217
	STORAGE	13,600
	MUNICIPAL	5,513
	STOCK	731
	POWER	23,301
	OTHER:AUGMENTATION	2
	TOTAL FROM TRANSBASIN.....	191,364
DUTY OF WATER:		
	TOTAL TO IRRIGATION	194,705
	ACRES IRRIGATED	57,372
	ACRE-FEET DIVERTED PER ACRE	3.39
NUMBER OF STRUCTURES OBSERVED		713
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	232
	-INFREQUENT STRUCTURES	86
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	82
	-NOT USED (A,C,D, CODES)	288
	-NO INFORMATION AVAILABLE (F CODE)	25
NUMBER OF DITCHES, SURFACE RIGHTS		537
NUMBER OF RESERVOIRS		20
NUMBER OF WELLS		44
NUMBER OF OBSERVATIONS		5,383

2003 IRRIGATION YEAR SUMMARY
DISTRICT 33

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	14,395
	STORAGE	893
	STOCKWATER	2,048
	MUNICIPAL	2
	DOMESTIC	23
	INDUSTRIAL	0
	RECREATION	0
	FISH	0
	OTHER:COMMERCIAL	7
	TRANSMOUNTAIN-TRANSBASIN	389
	INTERSTATE	1,226
	TOTAL DIVERSIONS.....	17,757
DELIVERIES FROM STORAGE		
	IRRIGATION	882
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	10
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:RECHARGE,AUGMENTATION	4
	TOTAL DIVERSIONS.....	896
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	15,277
	ACRES IRRIGATED	3,133
	ACRE-FEET DIVERTED PER ACRE	4.88
NUMBER OF STRUCTURES OBSERVED		385
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	55
	-INFREQUENT STRUCTURES	93
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	190
	-NOT USED (A,C,D, CODES)	47
	-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS		254
NUMBER OF RESERVOIRS		22
NUMBER OF WELLS		54
NUMBER OF OBSERVATIONS		6,064

2003 IRRIGATION YEAR SUMMARY
DISTRICT 34

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	27,288
STORAGE	11,086
STOCKWATER	3,727
MUNICIPAL	392
DOMESTIC	7
RECREATION	0
FISH	913
POWER	2,822
OTHER:FEDERAL RESERVE	74
TOTAL DIVERSIONS.....	46,309
DELIVERIES FROM STORAGE	
IRRIGATION	7,184
DOMESTIC	0
MUNICIPAL	247
STOCK	36
INDUSTRIAL	0
RECREATION	0
POWER	5,350
OTHER:FISHERY,COMMERCIAL,EVAPORATION	7
TOTAL DIVERSIONS.....	12,824
DELIVERIES FROM TRANSBASIN	
IRRIGATION	651
STORAGE	48
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	699
DUTY OF WATER:	
TOTAL TO IRRIGATION	35,123
ACRES IRRIGATED	10,586
ACRE-FEET DIVERTED PER ACRE	3.32
NUMBER OF STRUCTURES OBSERVED	483
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	68
-INFREQUENT STRUCTURES	184
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	55
-NOT USED (A,C,D, CODES)	152
-NO INFORMATION AVAILABLE (F CODE)	24
NUMBER OF DITCHES, SURFACE RIGHTS	419
NUMBER OF RESERVOIRS	29
NUMBER OF WELLS	35
NUMBER OF OBSERVATIONS	3,823

2003 IRRIGATION YEAR SUMMARY
DISTRICT 46

DIRECT DIVERSIONS		ACRE-FEET
IRRIGATION		3,043
STORAGE		0
STOCKWATER		9
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		0
FISH		0
OTHER:		0
INTERSTATE		897
	TOTAL DIVERSIONS.....	3,949
DELIVERIES FROM STORAGE		
IRRIGATION		0
DOMESTIC		0
MUNICIPAL		0
STOCK		0
OTHER:FISH		0
	TOTAL DIVERSIONS.....	0
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK		0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		3,043
ACRES IRRIGATED		785
ACRE-FEET DIVERTED PER ACRE		3.88
NUMBER OF STRUCTURES OBSERVED		76
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		39
-INFREQUENT STRUCTURES		5
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		16
-NOT USED (A,C,D, CODES)		16
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		61
NUMBER OF RESERVOIRS		9
NUMBER OF WELLS		0
NUMBER OF OBSERVATIONS		529

2003 IRRIGATION YEAR SUMMARY
DISTRICT 69

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		1,928
STORAGE		241
STOCKWATER		0
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		0
FISH		0
OTHER:		0
	TOTAL DIVERSIONS.....	2,169
DELIVERIES FROM STORAGE		
IRRIGATION		173
DOMESTIC		0
MUNICIPAL		0
STOCK		1
OTHER:		0
	TOTAL DIVERSIONS.....	174
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		43
MUNICIPAL		0
STOCK		0
	TOTAL FROM TRANSBASIN.....	43
DUTY OF WATER:		
TOTAL TO IRRIGATION		2,101
ACRES IRRIGATED		1,136
ACRE-FEET DIVERTED PER ACRE		1.85
NUMBER OF STRUCTURES OBSERVED		46
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		1
ACTIVE DIVERSIONS-DAILY		19
-INFREQUENT STRUCTURES		13
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		4
-NOT USED (A,C,D, CODES)		9
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		35
NUMBER OF RESERVOIRS		7
NUMBER OF WELLS		1
NUMBER OF OBSERVATIONS		162

2003 IRRIGATION YEAR SUMMARY
DISTRICT 71

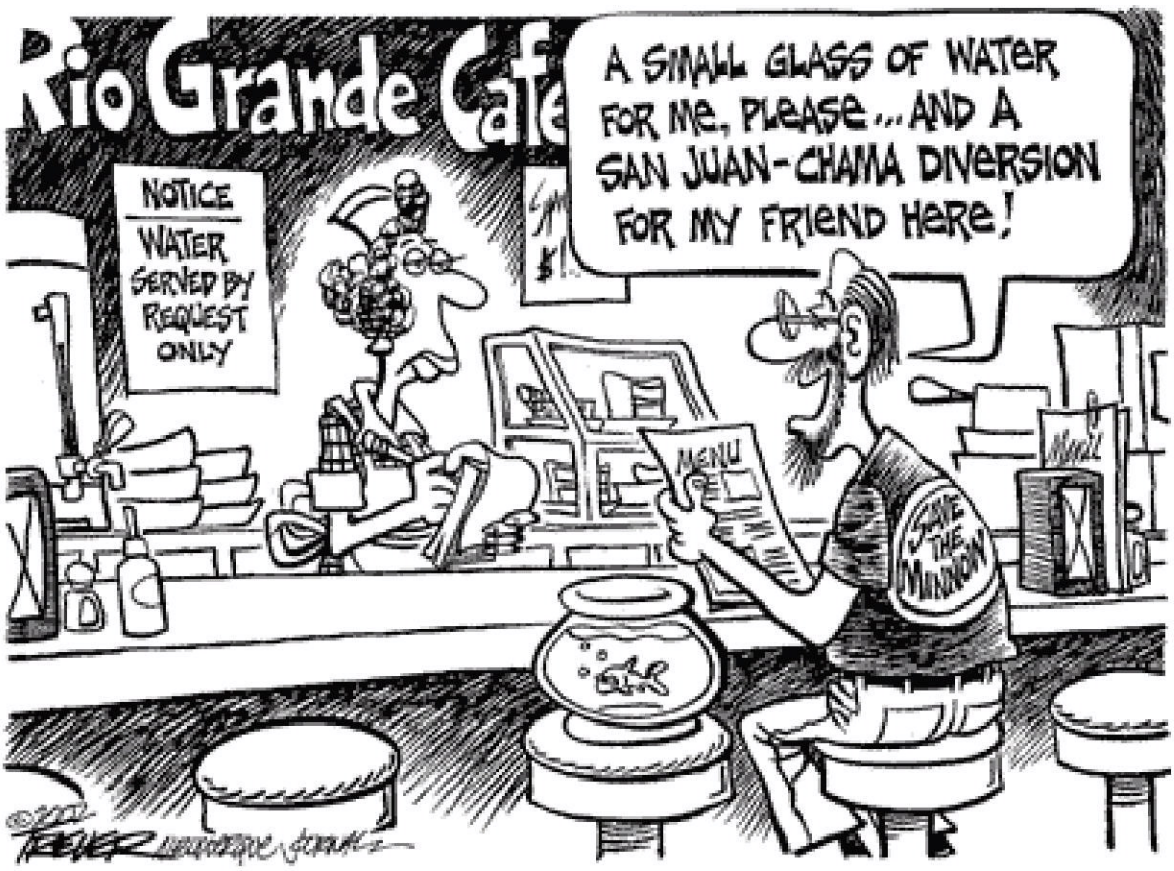
		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	15,419
	STORAGE	107,449
	STOCKWATER	263
	MUNICIPAL	241
	DOMESTIC	14
	INDUSTRIAL	0
	RECREATION	1
	FISH	5,141
	POWER (Multiple Sources)	3,151
	OTHER:COMMERCIAL,AUGMENTATION	69
	TRANSMOUNTAIN-TRANSBASIN	99,187
	TOTAL DIVERSIONS.....	230,935
DELIVERIES FROM STORAGE		
	IRRIGATION	84
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	68,601
	POWER (See Direct Diversions)	0
	OTHER:AUGMENTATION,EVAPORATION	208
	TOTAL DIVERSIONS.....	68,893
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	15,503
	ACRES IRRIGATED	1,660
	ACRE-FEET DIVERTED PER ACRE	9.34
NUMBER OF STRUCTURES OBSERVED		229
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	3
	ACTIVE DIVERSIONS-DAILY	62
	-INFREQUENT STRUCTURES	86
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	1
	-NOT USED (A,C,D, CODES)	71
	-NO INFORMATION AVAILABLE (F CODE)	6
NUMBER OF DITCHES, SURFACE RIGHTS		163
NUMBER OF RESERVOIRS		20
NUMBER OF WELLS		47
NUMBER OF OBSERVATIONS		3,656

2003 IRRIGATION YEAR SUMMARY
DISTRICT 77

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		11,345
STORAGE		241
STOCKWATER		106
MUNICIPAL		0
DOMESTIC		30
INDUSTRIAL		0
RECREATION		0
FISH		826
OTHER:COMMERCIAL		0
INTERSTATE		29,175
	TOTAL DIVERSIONS.....	41,723
DELIVERIES FROM STORAGE		
IRRIGATION		0
DOMESTIC		0
STOCK		0
INDUSTRIAL		0
RECREATION		0
OTHER:FISH		0
	TOTAL DIVERSIONS.....	0
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK		0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		11,345
ACRES IRRIGATED		2,145
ACRE-FEET DIVERTED PER ACRE		5.29
NUMBER OF STRUCTURES OBSERVED		173
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		78
-INFREQUENT STRUCTURES		30
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		20
-NOT USED (A,C,D, CODES)		45
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		121
NUMBER OF RESERVOIRS		22
NUMBER OF WELLS		30
NUMBER OF OBSERVATIONS		1,567

2003 IRRIGATION YEAR SUMMARY
DISTRICT 78

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	19,900
	STORAGE	464
	STOCKWATER	548
	MUNICIPAL	24
	DOMESTIC	16
	INDUSTRIAL	0
	RECREATION	0
	FISH	547
	OTHER:COMMERCIAL	6
	TRANSMOUNTAIN-TRANSBASIN	226
	TOTAL DIVERSIONS.....	21,731
DELIVERIES FROM STORAGE		
	IRRIGATION	436
	DOMESTIC	0
	MUNICIPAL	119
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:COMMERCIAL	0
	TOTAL DIVERSIONS.....	555
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	494
	STORAGE	1,293
	MUNICIPAL	1,417
	STOCK	49
	TOTAL FROM TRANSBASIN.....	3,253
DUTY OF WATER:		
	TOTAL TO IRRIGATION	20,830
	ACRES IRRIGATED	4,100
	ACRE-FEET DIVERTED PER ACRE	5.08
NUMBER OF STRUCTURES OBSERVED		295
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	97
	-INFREQUENT STRUCTURES	60
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	52
	-NOT USED (A,C,D, CODES)	85
	-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS		188
NUMBER OF RESERVOIRS		65
NUMBER OF WELLS		29
NUMBER OF OBSERVATIONS		2,518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