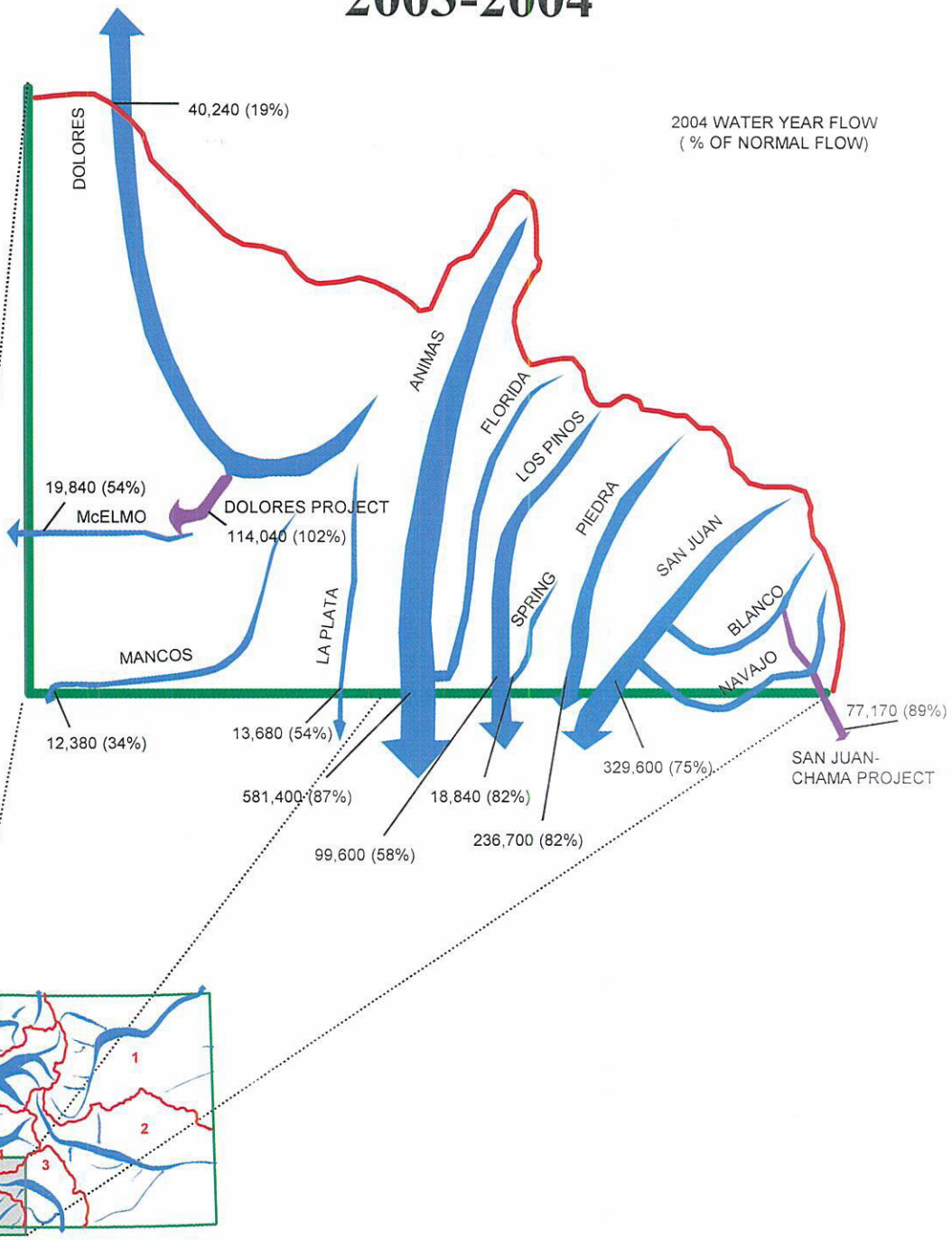
DIVISION OF WATER RESOURCES

DIVISION VII ANNUAL REPORT

2003-2004



Ken Beegles
Division Engineer

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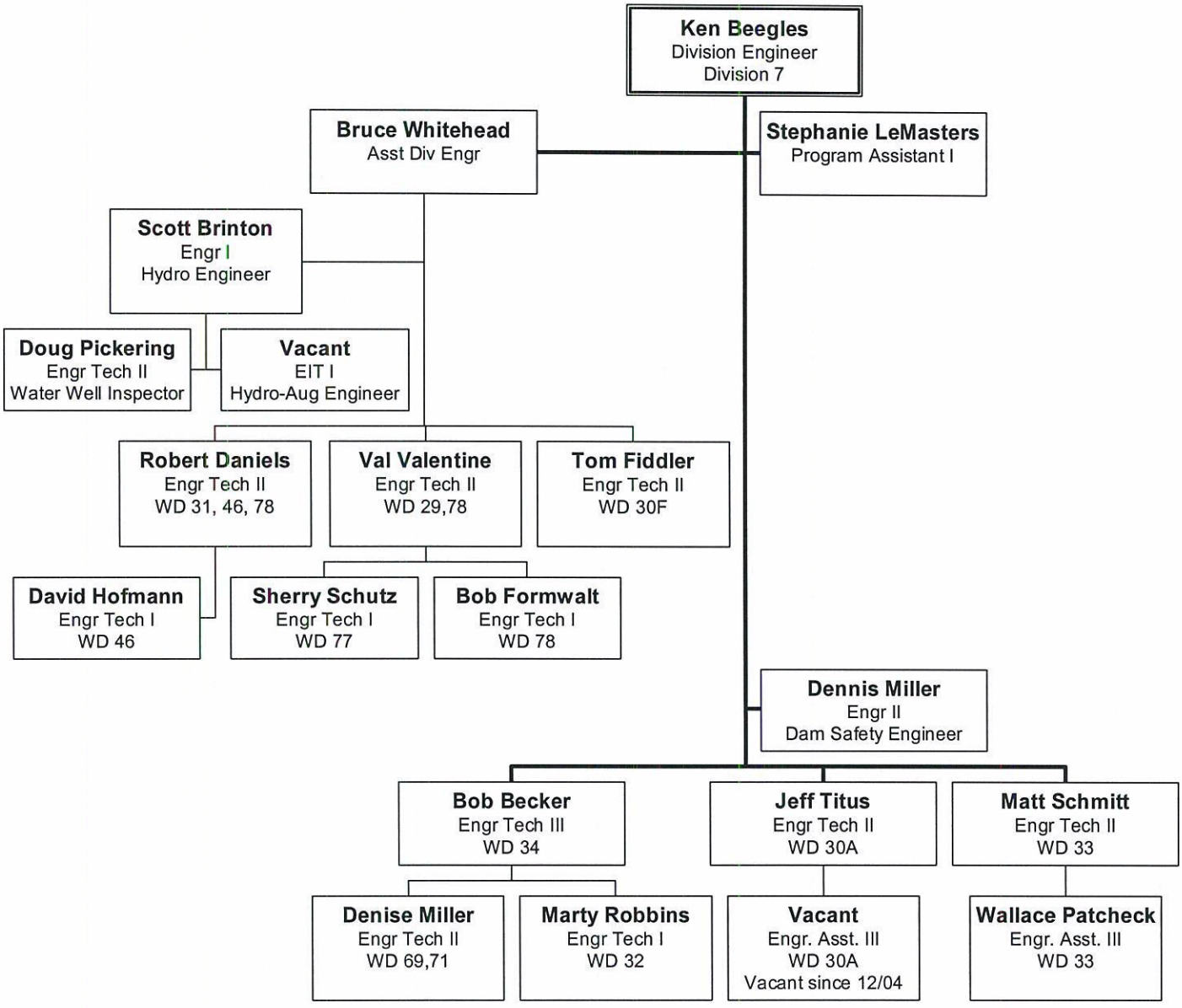
Records Section

INDEX

Division 7
Organizational Chart
January 2005



CURRENT YEAR

The 2004 season began on a much more positive note for the water supply than any in the last five years. Conservation of reservoir storage and the fall rainstorms in 2003 had allowed for carryover and some soil moisture increase for the mountain spring areas. Early in the year snow accumulation kept pace with normal, but in March, a warm spell cut severely into the snowpack, with premature runoff and temperatures 15 - 25 degrees higher than normal. The storms in April helped keep the rest of high mountain snow from running off for a time but the following high water period was cut short and was essentially over by the end of May. The rivers did not rise as high as the previous year, with four separate peaks in May and one later in the summer, September 19th, so the distribution of flow was extended over time. During May, however, the snowpack dropped from 85% of average at the beginning of the month to 26% of normal water content. Runoff predictions reduced to 61% of normal on the Dolores River and 69% of normal or 550,000 acre-feet inflow to Navajo Reservoir. Lemon and McPhee Reservoirs gained substantially but did not fill. The total precipitation in Durango was well above normal for the water year, 23 inches, but there was almost no significant precipitation between April 12 and July 12, 2004. This led to very dry conditions in the mountains and dropped streams to very low levels again. Return flows and springs in some areas dried up, especially noticeable on the La Plata River and Long Hollow in District 33.

Administration was required in most areas that were short in the previous years. With the adequate supplies in many areas, the early snow melt stored in reservoirs and the late summer rains, the 2004 year allowed water users to enjoy recovery from the severe drought with the hope of better times to come. Vallecito Reservoir filled and McPhee and Lemon received over 90% fill.

ADMINISTRATION

LA PLATA RIVER

The Compact was called out on March 29th; however, by this time significant water was delivered to ditches and reservoirs. The total Hesperus flow reached over 200 cfs from May 21st to May 28th. The majority of the ditches were able to run during that time. However, as flows dropped off, the weather cooled down and there was no chance for the river to totally dry up. Also, return flows were observed in the middle reach. This caused a gain, but not enough to supply compact requirements. While the cuts were delayed in getting down river, they did eventually arrive at the State Line. Long Hollow dropped to below 2 cfs and did not provide much cushion for deliveries as Hesperus held even at around 20 cfs. Eventually the only recourse was to shut all Colorado users off. This nearly unprecedented event happened on July 21st. Even with all Colorado users off, the Compact was short. The Division Office worked with the State Engineer to propose a rotation schedule where Colorado would keep the river running during its rotation but turn completely off for the New Mexico Ditches. The proposal was accepted by New Mexico but certain additions that were added were not well clarified. A final agreement

was not reached but the water was run through 2 rotations to each state before the river went dry after August 18th, 2004.

DOLORES/MCELMO AREA- MONTEZUMA VALLEY

A call to Narraguinnep Reservoir was administered early in the year. Even with this transfer, the inflow to McPhee was predicted to be high enough to give Dolores Project users a full supply. As a result, MVI was able to turn on early for the normal usage. McElmo Creek received enough return flows to keep it running and off-call most of the year. After July 1st, releases were made from Groundhog Reservoir to comply with Water Court provisions from 95CW104 according to planning discussions made in conjunction with this office and the Dolores Water Conservancy District. This included a reduced reserve pool for the downstream uses to meet the actual demand of the downstream senior ditches based on active ditch demands as allowed under their decrees.

MANCOS RIVER

The Mancos River was short of water as has been typical every year. Early on, the Redwood Dam was checked for Beaver activity and found to be obstructing the flow of the river. Enforcement was threatened but the owner's contractor went ahead and removed the Dams. An emergency meeting was held when local Corps of Engineers representatives were notified. In the end, the beaver dam was out and we had developed a better working relationship with the Army Corps locally.

Local residents grouped to oppose developments and proposed enlargements of the EB Dude Ranch. This office took steps to enforce the augmentation plan 2000CW10 and bring undocumented ponds into compliance as the owner was attempting to gain approval for the plans. After being turned down by the Montezuma Planning Commission, he hired engineers and a new water attorney to assist in filing a comprehensive augmentation plan late in 2004 to replace the existing, but faulty plan. The emotional conflict greatly exceeds the quantity of water at issue in this case.

ELBERT CREEK

Cascade Reservoir was filled and a call went on Elbert Creek but the water commissioner was able to exercise an obscure agreement from a diligence case several years ago to release the storage amount needed for use at the English Ranch. This helped to keep the stream flowing even though the call was still applied and augmentation releases were made. The Animas River Pump (Rockwood Pumpback PL), which Tamarron intended to use, was not begun this year, but is capable of delivering water in the future.

PINE – FLORIDA DRAINAGES

Both of these streams utilized the reservoirs in a normal application of water with few extra restrictions. This year water was run down the Los Pinos early to avoid the spill.

Our former water commissioner, Hal Pierce, obtained the job as Pine River Irrigation District Manager and provided continuity from the previous manager, Joe Brown.

SAN JUAN – PIEDRA RIVERS

Rivers dropped off significantly during the three-month dry spell, but this is typical. Lands below Pagosa Springs on the San Juan are not being irrigated in general as much as has been observed in the past. Devil Creek was almost brought to administration after a large unpermitted gravel pit was developed at the lower end of the Sackman property. The Sackmans attempted to address the situation and the actual call was never received.

SAN JUAN-CHAMA PROJECT

The USBR took steps to maximize their deliveries this year by diverting at all three diversion points. 77,170 acre-feet were taken for the largest delivery made in 3 years. (105,350 Acre Feet in 2001)

STAFF SUMMARIES

DISTRICT 29 - SUMMARY – VAL VALENTINE COMMISSIONER

On February 19, 2004 the State of Colorado recognized 125 years of Water Commissioner service for the people of Colorado. Water Commissioners were invited to the Capitol to hear the reading of a Joint Resolution, marking our role in Colorado's water history. Governor Owens and Attorney General Ken Salazar issued letters of proclamation, and Justice Gregory Hobbs wrote a poem, "Ode to Water Commissioner." In all, it was a proud time for all in DWR.

A forty-inch plus snowstorm in January raised the snow water equivalent to over 100% at the Wolf Creek Summit and the Upper San Juan SNOTEL stations for the first time in four years. By January 23rd, the stations reported 122% and 168% respectively. Snow pack on March 1st was nearing 120%, but a warm dry month acted like a "Chinook." In all, water supply in April in the Upper San Juan Basin was improved in 2004 over 2003, as that year was over 2002, 80%, 68% and 27% respectively.

Most ranchers turned their ditches on a bit later than usual in part due to lingering cold nights in May into early June. However, river calls were made a little earlier than the average of July 1-4. Both Fourmile Creek and Rio Blanco were on call by June 22. For the second time in three years the Dyke No.1 Ditch placed a call on Stollsteimer Creek. During administration a dozen pumps were pulled, bagged and tagged. Bagging the pump inlet with white "kitchen bags," and securing them with blue masking tape, then draping them over a fence, made them highly visible and insured 100% compliance.

Beginning in the spring and throughout the irrigation season Pargin Reservoir stored water for the first time since 1998. In addition to spring flows of approximately 0.67 cfs, water was pumped from Stollsteimer Creek. It is anticipated that the reservoir will spill in the spring of 2005.

Calls were in effect until September 19th. On that Sunday due to two days of heavy rain in the Upper San Juan Basin, the San Juan River rose from about 80 cfs to almost 4000. The Rio Blanco and its tributaries, as well as the main stem of the San Juan "reclaimed its banks." Of note of this rain event, the first of this magnitude since June 17, 1995, was the number of downfall and up-rooted trees. Several diversion structures, notably, the newly reconstructed head gate on Little Blanco Highline Ditch, the new head gate on the Joe Maez Ditch and others were washed out. Others like the Carrico were "silted-in" with large cobble. The Long Horn & Mee Ditch, in addition to the heading, more than 100-feet of ditch washed out.

The prolonged late wet season allowed the Dutton Ditch to divert to storage more than 600 acre-feet from September 20 to December 1. The lakes in Pagosa Lakes, particularly G. S. Hatcher Reservoir and Stevens Reservoir (full) are at higher levels than most years.

DISTRICT 30F – SUMMARY – TOM FIDDLER COMMISSIONER

Life on the Florida was good to the "Newbee" for the 2004 water year. After a rough start resulting in a sprained ankle and another incident resulting in crutch use, a disagreement with a giant Bull snake transpired, my truck was attacked by a rogue Tom Turkey and my fender took a hit from a hungry gelding that apparently thought a huge red salt lick on wheels was coming to visit him. The former Water Commissioner Harold Baxstrom worked with me for a couple of months before officially re-retiring so I was able to siphon off as much of his knowledge about the Florida as I could. The 2004 water year started with Lemon Reservoir carrying over 9802 AF. The stock run started on November 1st and ran water through November 9th and used about 758 AF. Spring snow pack was 100% of normal in the Stump Lakes drainage area on April 12, 2004. Spring runoff allowed Lemon Reservoir to fill to a high of 37865 AF on June 11th. Irrigation releases began on May 13th and the Florida River was placed on-call on June 13th by the Florida Farmers ditch. The call lasted 100 days with short periods of the river being off call due to unusually heavy rains in September. The river was placed off call on September 19th. Irrigators decided to stop irrigating on September 29th and Lemon Reservoir began storing water. Lemon Reservoir was at a level of 11920 AF at this time. By October 31st Lemon Reservoir was at a level of 15695 AF.

Most of the summer saw a low priority level of F-22.5. An F-17 priority was reached for one day. Both of these priorities are decreed to the Florida Farmers Ditch. Thirteen structure orders were issued for well issues in the Florida drainage area that required attention in 2004.

A new GPS program that was initiated in 2004 for finding actual diversion locations resulted in, 109 diversions being plotted with GPS coordinates and will continue until all diversions in the district have been located.

DISTRICT 30A – SUMMARY – JEFF TITUS COMMISSIONER

A close to average snow pack in the Animas River Basin coupled with a moist summer made for a great year for water users on the Animas River and its tributaries. A cataloging of water rights in District 30 was started. With the assistance of the Deputy Water Commissioner, Gary Vance, over 300 structures were pinpointed using GPS equipment and 450 pictures taken.

On November 14, 2003 XCEL Energy placed a call on Upper Elbert Creek and Little Cascade Creek. Upper Elbert Creek and Little Cascade Creek remained on call until October 31, 2004. Lower Elbert Creek remained off call until June 8, 2004 when the Conley Ditch (E-1) placed a call. Lower Elbert Creek remained on call until September 20, 2004. A new pumping plant in the Animas River at Rockwood was completed by Tamarron and may change the dynamics of Elbert Creek in the coming year.

A decent snow pack and summer rains led to increased flows in both Lightner Creek and Junction Creek. No calls were place on either stream system this year. Construction continued on the Ridges Basin Reservoir Dam and pumping plant.

DISTRICT 31 & 46 – SUMMARY – BOB DANIELS COMMISSIONER

The Pine River went on call on June 18, 2004 after a period of time in which Vallecito Reservoir bordered on full. With a full reservoir and good river flows the summer turned out to be the best one in several years. Very few ditches were required to shut off – normal conservation measures were sufficient to allow full crop growth.

The major problem confronting the pine drainage is the rapid growth in and around the City of Bayfield. This growth is causing problems in storm drainage and in the natural return flow of irrigation water to the stream system. The mix of agricultural use and commercial use of the land in the same area results in tension between the many conflicting parties. The various ditches that pass through the incorporated cities are finding it harder to maintain ditch easements and limit the liability that exists with open ditch systems.

Another major change confronting the Pine River is the instream flow issue. It appears that this will pit different water consumers against each other. The Pine River Irrigation District is in negotiations with The Colorado Water Conservation Board to provide storage water for an instream flow from the outlet of Vallecito Reservoir to a Lower Terminus where highway 160 crosses the Pine just West of Bayfield.

DISTRICT 32 – SUMMARY – MARTY ROBBINS COMMISSIONER

Due to the Bill proposed by legislation SB-278 was a hot topic with many questions and answers to be had. The good thing that came from that bill was some ditches were incorporated allowing for better management and water commissioner / ditch owner communication.

In February in conjunction with the Community Summit Program many water related agencies from around the area put on a workshop for the community residences. This was called the "Water 101" workshop where many realtors, ditch riders and ditch owners were educated on water and how specific entities operated. The program, which included presentations from Justice Hobbs and Dick Wolfe of the States Engineers Office, was considered a great success.

Many changes to ownership and new water rights in water district 32 has made education of water rights and responsibilities of the owner a very important day to day operation of this district. Priority calls have played a larger role on administration then in the past. Pond administration will be playing a greater role in the future due to the large increase of Notices of Intent that have been filed.

DISTRICT 33 – SUMMARY – MATTHEW SCHMITT

The 2004 water season started early with a district agreement and an effort to put water into Lake Durango. The effort paid off with a paper spill on May16th. An Emergency Substitute Supply Plan was also in place.

The La Plata River got a pretty good run of water and was 'off call' from April 4th to the 16th and again on May 5th to the 11th. The river stayed 'live' unusually long and precipitated a "proposed operational plan" between New Mexico and Colorado to rotate the water. (the first in 40 some years.) The rotation period was to be 7 days long and Colorado agreed to keep the river wet to the State line during the Colorado rotation. All Colorado diversions ceased during the N.M. rotation. This affected about 10 domestic water supplies on the Hay Gulch ditch and complicated things quite a bit. Two complete rotations took place between July 21st and August 17th before a 'futile call' was made on August 18th and the river picked up. A September 19th rain made the river 'live' again to the end of the year.

The year was generally dry and continued the drought cycle we have been experiencing the last few years. Crops were fair to good on hay and pasture.

DISTRICT 34 – SUMMARY – BOB BECKER

The drought isn't over, but overall conditions continue to improve. Most reservoirs were able to fill in April with Jackson Res. reaching full capacity on May 18th. Cool nights during May decreased irrigation demands but the Henry Bolen Ditch placed a call on Jun.14th. The call lasted until September 21st with the lowest priority being cut was M-6.

The most controversial issue involved the E. B. Dude Ranch proposed development plans. They made two new filings to change the use of their Weber Reservoir shares and to provide additional augmentation sources. Opponents of the plan attempted to utilize every local agency, including DWR, to quash the development. Many man-hours were spent with meetings, mediation and working with the sheriff's office in an attempt to diffuse a situation that was rapidly becoming hostile. Both sides indicated they would be pursuing civil action to stop the others' "harassment " activities.
Additional time was required due to the Water Administration Fee Program before it was cancelled.

The NRCS Salinity Control program is progressing and construction of the Henry Bolen Ditch pipeline was approved with work beginning in December.

Mancos Field personnel also participated in several water education programs and attended water district meetings during the past year.

DISTRICT 69 & 71 – SUMMARY – DENISE MILLER COMMISSIONER

The 2004 water year started with MVIC placing the Narraquinepp reservoir call on the Dolores River until March 26th. The Dolores River was on call again on September 1st through October 28th with MVIC's direct flow D-16 priority. MVIC drained Groundhog reservoir for an outlet gate repair.

The snow survey forecast for the Dolores River in May 2004 was 53% of average. This provided the Dolores Water Conservancy District a sufficient runoff to deliver a 100% supply to their water users but not enough to fill McPhee reservoir. Spring also introduced the new DWCD manager, Philip Saletta from Colorado Springs.

A new NRCS snotel site was constructed this summer on the Dolores River side of Sharkstooth Mountain. The site was constructed this fall on the west slopes of Bear Creek just below Burro Mountain and Windy Gap. This was cooperative effort with NRCS and funded by MVIC, Ute Farm and Ranch, the Bureau, DWCD, Division of Wildlife and the San Juan Citizens Alliance.

The Summit irrigation company, filled their reservoirs by May 9th, and their shareholders benefited from a full supply this year.

Disappointment Creek ran high and muddy through the runoff period, providing abundance of flow and the less-desired silt. The silt prevented some water users from diverting water in the spring. Those who waited for clearer water to divert were disappointed by flows to low too divert.

DISTRICT 77 - SUMMARY – SHERRY SCHUTZ COMMISSIONER

This year started out with much better moisture than the last couple of years. However, then during the summer it got very dry until around the first part of September when we finally got some moisture. Spring Creek happened to be one Creek that didn't have enough water and there was a call placed from June thru August. On the other hand, due to the increase in early moisture for the majority of the District, there was an increase in irrigated acres. Banded Peak Ranch was able to spread more water as they are working toward completing the New Bond House Ditch structures. Also, the Enterprise Ditch users also took advantage of more water to spread. Next spring they will be constructing new structures in the ditch to make it easier and more efficient and effective to irrigate the parcels. Spence Reservoir was able to fill from fall to spring after the construction was completed last fall.

This spring, summer and fall were filled with attending very interesting and productive meetings with Navajo River Ranch Board Members and Ditch Officials.

DISTRICT 78 & 29 – SUMMARY – BOB FORMWALT COMMISSIONER

Water year 2004 was much improved from 2003 with only one ditch placing a call. Water users that may have been a little short worked with each other to make their water benefit all parties.

District 29 had ditches running that this commissioner had not seen run in his tenure with the Division. The Roseller Ditch and Lost Ditch readily come to mind, however, Coal Creek did go on call in June, as it usually does, but went off of call in September when rains were heavy enough for the calling structure to turn off.

Reservoirs all filled and spilled up into June and enough late spring moisture delayed ditch operations. All irrigation reservoirs had remaining water in them at the end of 2004 water year. Some caught water during the September and October rains.

Several ditches suffered damage from the heavy rain event of September 19th. The Snowball Ditch washed out and the upper 2000 feet silted in badly. The Snowball Ditch owners did take advantage of this outage to replace the aging head gate with a new steel structure and to lower the ditch bottom from the headgate downstream for one-half mile. They also widened and cleaned other areas that were restricting flows. Ditches in the East Fork and San Juan also suffered washouts and silting that were being addressed at this writing.

The Park Ditch amended their bylaws a few years ago in anticipation of lands being subdivided under the Park. They froze the number of division devices allowed out of the main ditch. All subdivision of lands owning Park Ditch water must take their water at the historical divider and then split their water outside and below the ditch. This has prevented many headaches for the ditch company. The Park Ditch caught lots of trash in front of its gates but the owners think that spring high waters will carry it away.

The At Last Ranch sold this year to David Brown, the owner of the Bootjack Ranch. This sale/purchase resolved a long time dispute between the two ranches over the amount of water being delivered down stream to the At Last and Saddle Back Ranches. Two other land contracts or sales will have impacts on the Park Ditch in 2005. The old Sawmill property and Valley View Ranch have sold or a sale is pending. The year 2004 was such a good year that this writer is looking forward to 2005, beings we already have a good snow pack along San Juan and Piedra headwaters.

HYDROGRAPHIC REPORT – SUMMARY - SCOTT BRINTON

Streamflow was again below normal for the year. Streamflow records for the 2003 Water Year were completed and delivered to the chief hydrographer for publication. The Colorado office of the USGS published two records and the New Mexico office of the USGS published four. Twenty-two records were published in the Colorado Division of Water Resources yearly publication.

The Division 7 hydrographer made 168 river measurements and 26 ditch measurements this year. Water commissioners in Division 7 made 30 river measurements and 4 ditch measurement. A large number of the hydrographer's measurements were made to calibrate the ramp flume constructed on the Florida River above Lemon Reservoir last year as well as to redefine the upper end of the rating table for the La Plata River at Hesperus gage after the stilling basin for the gage filled in with gravel and cobble from the high flows.

Division 7 operates 35 satellite gages, 4 of which are high data rate radios that transmit on an hourly basis. Two of those were installed this year.

A new pre-cast gage shelter house was installed this year at the new ramp flume above Lemon Reservoir.

WELL INSPECTION – SUMMARY – DOUG PICKERING

In August 2004, a water well inspector was assigned to southwest Colorado, based in the Division 7 office in Durango. The well inspection program was instituted for the protection of groundwater resources and public health through enforcement of the Rules and Regulations for Well Construction and Pump Installation. Specific duties include inspection of well construction and pump installation; complaint investigation; education and outreach; monitoring/observation hole/well construction; well and hole plugging and abandonment; and support to the State Engineer and Board of Examiners.

Since August, the well inspector has performed 66 well construction and pump installation inspections; 84 spot checks of contractors and well permits; 21 problem investigations for contractors; and 28 problem investigations for well owners. The well inspector has also provided education to contractor's meetings and is available to answer questions regarding well construction, and assists at the Division office.

One of the key roles early in the inspector program was to locate unlicensed contractors working in the state and ensure that they were stopped. No unlicensed contractors have been discovered working in the southwest; however, some have been documented in other portions of Colorado. Another licensing issue is plumbers installing well pumps and equipment - a licensed contractor must install all equipment from the well to the pressure tank. The most frequent violation has been contractors drilling outside the distance limits allowed by the permit (usually 200 ft). This act is considered to be drilling without a valid permit and can lead to suspension of the contractor's license.

In 2004, the Board of Examiners granted an amnesty program for late filing of well construction and pump installation reports. This amnesty period expired in December 2004. The amnesty program appears to have been a success as the backlog of construction reports in Denver was apparently several feet high.

DAM SAFTEY ACTIVITY – SUMMARY – DENNIS MILLER

During the 2004 calendar year, the Dam Safety program goals for completion of inspections according to the frequency established by the State Engineer were generally met or exceeded. In all, full safety inspections were completed on 15 Class 1 dams, 21 class 2 dams, and 12 Class 3 dams. Follow-up inspections were performed as deemed necessary to check for problems and compliance with requirements. A total of 22 follow-up inspections were completed; 3 on Class 1 dams, 3 on Class 2 dams, and 16 on Class 3 dams.

In order to perform repairs to the outlet sluice gates, which were experiencing excessive leakage, the owners of Groundhog Reservoir decided to drain the reservoir to the dead storage level during the irrigation season. This was completed by late September, and afforded the opportunity for a thorough inspection of the dam's outlet conduit and the intake and trash-rack structure, all of which were found to be in good condition. The owner completed the needed repairs to the gates and placed them back in service. A plan proposed by the owner to modify the intake structure to accommodate guard gates could not be adequately developed during the time available, and storage within the reservoir was re-initiated in late December.

No new restrictions were recommended or placed on reservoirs in the division during 2004. However, necessary work to repair extensive rodent damage was completed at one minor, Class 3 dam that was restricted in 2003. As a result, a recommendation for removal of the restriction has been made and is pending. One minor construction project on an existing Class 2 dam was also accepted as complete during the year.

At the request of the State Engineer, an independent hydrologic evaluation was performed for the existing Red Mesa Ward Dam and for the proposed Long Hollow Dam, both within the La Plata River drainage, to analyze projected excessive costs associated with spillway construction at those dams. The evaluations included several meetings

with the dam owners and their engineer, for the purpose of identifying possible solutions to perceived cost problems.

In Water District 78, initial review was provided to the engineers for the proposed Stevens Reservoir enlargement, which will enhance storage in the area. This included a cursory review of the hydrologic and geotechnical work done to support the enlargement. Plans for the work will be reviewed in 2005.

During the year, 74 Notices of Intent to Construct a Non-jurisdictional Water Impoundment Structure were reviewed and accepted. Five new Livestock Water Tanks and one new Erosion Control Dam were reviewed and approved.

EVENTS OF 2004

ANIMAS LA PLATA PROJECT

Significant progress was made in 2004 in both the Animas River Pumping Station and the Ridges Basin dam site for the Animas LaPlata Project. A cofferdam was built along the bank of the Animas River to keep water out of the excavation. However, it appeared that the river would exceed the allowed freeboard for a time. The distributed flow patterns experienced gave enough of a break that work continued unimpeded. Cost overruns were still being applied as initial estimates were being greatly exceeded by project contractors. However, much physical work was accomplished this year and funding was secured to keep the project on track.

SEASONAL EVENTS

In the political scene several changes occurred. Both tribes were in the midst of leadership uncertainties with the loss of Chairman Burch the previous year in Ignacio and Grand Jury charges being brought against the Ute Mountain Tribal Chair. Though the tribes were short on leadership, progress in development was made as the Southern Ute's growth fund was active and both tribes obtained job contracts to help with the Animas-La Plata Project construction. The Southern Ute Tribe made a significant impact on the area when the local hospital and attached medical facilities chose to relocate to purchased tribal land in the Grandview area east of Durango.

Another major loss in leadership came with the death of SWWCD attorney, Sam Maynes. Sam had practiced water law and built his firm up to one of the largest in SW Colorado. His loss impacted the Southern Ute Tribe as well as many of the local water districts that he represented. He was a great leader in water and tribal matters and will be greatly missed.

An Instream flow clinic held in the fall of 2003 revealed to area residents that pressure was mounting on the Colorado Water Conservation Board (CWCB) Staff to secure

additional flow segments in Division Seven. Water users on the Pine and Dolores Rivers were concerned and began alternative approaches as they began discussions with the CWCB about how they might develop "Donation agreements" in order to ensure stream flows below the reservoirs which might supply the environment with a reasonable habitat at the desired level. It was hoped that reservoir supply management would facilitate these without impacting future developments or causing shortages within the projects themselves.

RECREATIONAL IN-CHANNEL FLOW

A proposal was being pushed by local rafting and environmental groups who wished to establish recreational in-channel flow right in the Durango-Smelter rapids area. Depending on the size of the claim, the impact to future developments on the Animas River could be significant. There was also a concern that it might cause a "critical" designation, administration of wells and non-decreed changes of use on the Animas River. At the end of the year the City of Durango and the Southwestern Water Conservation District (SWWCD) were discussing the type of filing to be made, if any.

LONG HOLLOW RESERVOIR – WATER DISTRICT 33

This new reservoir concept was being seriously developed with the support of the La Plata Water Conservation District. Hydrology studies by their engineers showed that significant savings could be used to benefit other ditches by exchange while still conforming to Compact requirements. A 404 permit was applied for but the result was negative in terms of feedback comments. Negative or questioning responses were received from tribes, New Mexico groups and other in the Section 7 consultation. This led to a concerted effort by La Plata Water Conservation District to redraft operational constraints to meet some of the environmental and compact delivery concerns. Initial studies of depletions showed no effect on the San Juan. However, some downstream users insisted that further work be done on evaluation impacts to the endangered species. The permit was still pending and awaiting further comments at the end of the year.

ROTATION – LA PLATA RIVER COMPACT

It was believed that this year was the first time rotation was implemented since 1963. It was a natural consequence of the falling river flows, since without this tool, Colorado would have needed to leave all the ditches off while the stream evaporated and seeped yielding less than what was required to the state line. Though the New Mexico State engineer did not agree on how to implement this situation in combination with the futile call, the concept offered by Colorado maintained the live river during the Colorado turns until the fifth week when the stream was just too low to make it through the dry sections. New Mexico received all the water available during its rotation period. The State Engineers met and toured the river on August 12, 2004 holding a public meeting that evening. A good-sized crowd met at the Ft. Lewis meeting site and expressed concerns about local control, futile calls and beneficial use.

GROUDHOG RESERVOIR

Since the reservoir has been drawn down over the past few years, this was an excellent opportunity to drain and repair gate seals, which had been damaged so severely that the gates could not be closed down effectively. The Montezuma Valley Irrigation Company also intended to install guard gates but was delayed in design approval. The full amount of DWCD replacement water was 1825 acre feet this year.

DUNTON DITCH – SPECIAL USE PERMIT

In order to provide a more secure supply, voters in the Pagosa water service area voted to pipe water in the Dunton Ditch to the storage reservoirs in Water District 78. In order to do this, the Forest Service special use permit needed to be secured. As part of this, there was to be a requirement for a bypass flow. This flow could have been diverted into the senior irrigation decree but not into the pipeline. Due to public pressure on the water district to complete the project, they ultimately accepted the permit conditions. Water was greatly needed to supply the housing development in the Martinez-Stollsteimer drainage, so this concession allowed for utilization and storage of imported water before the streams receded to the base flows.

Elsewhere, several emergency substitute supply plans were approved which especially helped to fill Lake Durango and provide emergency arrangements for use in other areas in the Division.

OFFICE ACTIVITY

The budget shortages statewide led to funding cuts, which prevented timely refilling of positions. However, with the drought effect being felt statewide, the department, governor's office and the JBC were sympathetic and agreeable to Divisions requests for funding positions. As a result of this, eight new well inspectors positions were funded and the Division Seven item requesting a new engineer-intern for specialty work in office functions was also approved. This was the first full time position created in Division Seven since a dam safety engineer was assigned in 1985. These positions remained open after the fiscal year began while other existing positions were filled statewide.

Among the positions vacant in Division Seven were the lead commissioners on the Animas and Florida Rivers, which created a major void in the Durango area and in groundwater permitting functions. Jeff Titus filled in while the announcements were being made and in the end, he and an experienced technician from the Eagle Valley area, Tom Fiddler, were hired to fill in. When Harold Baxstrom was available to work as a temporary, he provided valuable training in the Florida drainage. In subsequent announcements to fill the deputy position held by Jeff Titus, David Hofmann and Gary Vance were chosen out of two lists of highly qualified candidates to serve in the Pine River and Animas River districts respectively. Thus, except for the new positions that were added, the staff was filled and very functional after May 2004.

The budget was adequate but not excessive for the needs of the division, as the full staff had increased mileage and other costs. Overtime was short but was effectively managed to keep within the maximum allowed.

The number of water well permits decreased significantly, perhaps affected by the cost increases of the previous year. The numbers of water right filings also were reduced but still exceeded 100 for 2004. The new water rights applications have been noticeably more complex with many changes and multiple structure filings in Division Seven. Many more objections are received and result in formal court processes and deadlines. Several diligence claims were made on rights whose diligence deadlines had passed even as for back as six years ago. The water court has acted leniently toward these and it became apparent that notice of due diligence had not always been made several years ago.

The number of enforcement orders written was a bit higher. New meters were required and installed on a dozen or more wells in district 30 alone. Headgates and flumes were ordered in several cases. Compliance and cooperation were good and no legal assistance was required. Especially encouraging were efforts by the Pine Ridge Ditch Company to seriously address their required headgate to help regulate the pressure and fluctuation of flow in the ditch. It appeared this would be accomplished after years of inefficiency and difficultly with regulation out of the La Plata River.

New improvements were made in the fiscal year that served to greatly enhance the staffs' ability to function and communicate. The voice over internet protocol (VOIP) gave a direct linkage to others within the system as well as local service to phones both locally and in the remote office locations. Content Manager is a network-referencing program where copies of the complete well files could be obtained or researched on line. It was especially popular among the public customers.

PLSS is a Colorado State University program used to convert location coordinates for use in the mapping programs such as TOPO! and Arc Explorer/Arc View as well as its own self-contained data access. The coverage for GIS usage under the Arc Explorer program enabled the entire staff to utilize spatial data for Division Seven's four main counties very effectively. Well data was added and some structure and parcel information was included. The county mapping staff has been real helpful in sharing information with this office.

The Division Engineer's office also acquired the Alchemy version (by Secure Files) of the scanned water court information for filings, testimony and decrees for water cases up to the early W-cases. Original documentation could be viewed with access to the network data centers.

The DWR Hydrobase was fully utilized for a centralized data collection. A number of data forms and entry improvements were implemented as a result of the data entry programs presented by the hydrobase system.

UPCOMING YEAR

It is anticipated that the future holds for better fortune in terms of water supply if the law of averages prevails. Although the past year was a welcome break from the drought, the warm spring and very dry early summer months were reminders of shortages that could again confront the area. Recent trends towards early runoff have been a confirmation of warming trends in the climate noticed recently. This is in contrast with the past years of 1995 and 1997 when the snowpack was around for much of the summer.

Also having an impact on operations will be the budget status of the state as representatives deal with fluctuations in revenue and budget requirements.

Issues, which are considered to have localized impact on the Division operations, are listed following a brief description and evaluation of each item:

1. Long Hollow 404 Permit

Again this year, efforts will be made to advance progress on this project in terms of support by area user groups as well as accommodation for the project under the San Juan RIP. Feasibility studies may then be advanced and a more suitable estimate of cost established so that construction decisions can be made.

2. La Plata River Compact

As has always been the case, this difficult administrative challenge will occupy significant resources. Perhaps there will be no need to consider rotation again if runoff increases. Otherwise, it will be a goal to secure a more firm agreement with New Mexico as well as the local users on the event of handling extreme shortages. All parties will be closely watching the trends of flow on Long Hollow and the wetlands mitigation areas.

3. Lake Durango / Pine Ridge Ditch

It is believed that the Lake Durango service area will not be at an emergency with the storage carryover from last year. A significant snowpack may allow filling locally or during high water on the La Plata River. Also, the developer will be examining the use of the Lightner Creek pumping station to try for approval of additional units. At the least a system of delivery may provide better security for the 1000 or more homes in case of an extended drought period similar to the last 5 years.

4. Donation Agreements

We anticipate that much progress will be made in collaborating to set up instream flow arrangements on the Pine River below Vallecito Reserervoir and Dolores River below McPhee Reservoir. It is hoped that these donation agreements will serve to satisfy needs to maintain and protect the environment. Drought periods appear to be the key issue item to resolve. Stream flows are not likely to stay at normal or desired levels during these times.

5. Forest Management Plan

The Forest Management Plan will be the subject of numerous meetings across the division as it is to be revised from the 1983 document. Efforts will be made to separate out water issues from the remainder of the plan.

6. RICD

The upcoming year will likely bring the first recreational in-channel flow application on the Animas River and in Division Seven. The nature and amount of this proposal will determine the future status of appropriation of water in District 30 (Animas).

7. Dolores Project Operations

Agreements on plans, which would standardize procedures on the Dolores Project, will continue to be tested in the coming year. The point that seems to be at issue is in the exchange case (95CW104) where a conflict in interpreting shortages scenarios is found. The DWCD wishes to modify past practice in terms of delivery only to the project supply percentage as opposed to a full release of Groundhog water under this account. The past two years have resulted in differing arrangements for this replacement so it is hoped that a more standard practice will be settled on. DWCD will be filing for inclusion of additional ditches. This will open up for review our past administrative practices and perhaps provide for a court decision regarding this decree.

The Division office will continue to be involved with public awareness of water issues. The Water Information Program continues with its educational programs. A second Water 101 course will be held in Pleasantview and well driller training will be conducted for the first time in several years. The staff will be encouraged to update or improve skills in mapping and locating. A short program in the Seven Habits by Covey will be held in the spring.

More progress should be seen in the ditch consolidation for salinity control in the Mancos Valley this year.

ISSUES AFFECTING BASINS

Following are issues based on recent administrative events, drought or legal action, which are and will have bearing on future water use or development on the San Juan and Dolores Rivers. They are classified by the extent of their impact.

INTRA-DIVISION ISSUES

1. La Plata River Compact, District Issues
2. U.S. Forest Service permitting practices
3. U.S. Forest Service Management Plan
4. Speculation on water rights and attempts to dominate flows by special use groups

5. Unauthorized pond construction
6. Interpretational issues in Tribal water rights decrees
7. Instream flow conflict with water development

INTER-DIVISION ISSUES

1. Recreational – Inchannel Flow Rights
2. Design flow requirements for spillways or reservoirs
3. Reservoir administrative procedures
4. Interbasin protections for transbasin water delivery
5. Meaning of "Other" uses in decrees
6. Designation of Impaired Waters

INTERSTATE ISSUES

1. Water quality discharges – transbasin water – Miccosukee Court Case
2. Section Seven – Endangered Species Act
3. Colorado River Storage Project Act – power generation
4. Colorado River Compact shortages in storage supply
5. Upper Colorado River Compact
6. Operation of the San Juan River Model – SJRIP
7. Growth and water demand in the lower basin
8. Navajo Tribal Settlement Agreement – New Mexico

AGENCIES AND GROUP INVOLVEMENT

Southwestern Water Conservation District
San Juan Conservancy District
Rio Blanco River Restoration Group
Pine River Irrigation District
Southern Ute Indian Tribe
Animas – La Plata Water Conservancy District
Florida Water Conservancy District
Durango City Water Board
Water Information Program
Children's Water Festival – Montezuma County
SWWCD Children's festival
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)
WIP (Water Information Program)
Water 101 Group
State Water Supply Initiative (SWSI)
Navajo River Operating Committee

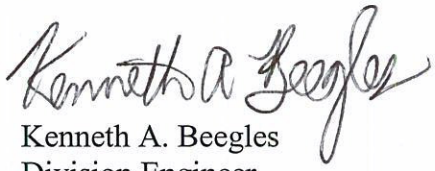
DNR Leadership Team
DNR IT Liaison's Group
DNR Hyrobase study group
Core Mission Project
La Plata County Advisory Committee
Dolores River Dialogue
Children's Water Festival in La Plata County

The Division staff has also been involved locally in school group educational activities, speaking for community group meetings and in emergency management group sessions. The public is generally aware of the office presence and benefits provided. We have assisted with local news services in conveying stream status reports and directed people to the use of statewide web services for information gathering.

SUMMARY

The Division outlook is much improved over that of the past five years. Drought cycles end with recovery and it was felt that partial recovery saved the deteriorating agricultural conditions in the area as well as some of the recreational activities. The low water has not discouraged immigration of people as growth levels increase throughout the region. This will continue the trend away from agricultural base to a more residential and small hobby ranch type of growth. Water use and distribution will remain important functions as these changes take place. More environmental demands are causing at least a serious review of delivery practices and recognition of the need for wetlands improvements (tamarisk eradication etc.) as well as protections. The Division Seven office has managed to accommodate to stresses felt over the past few years and the staff has maintained a high level of service to the public. We hope and expect this effort to continue in years to come.

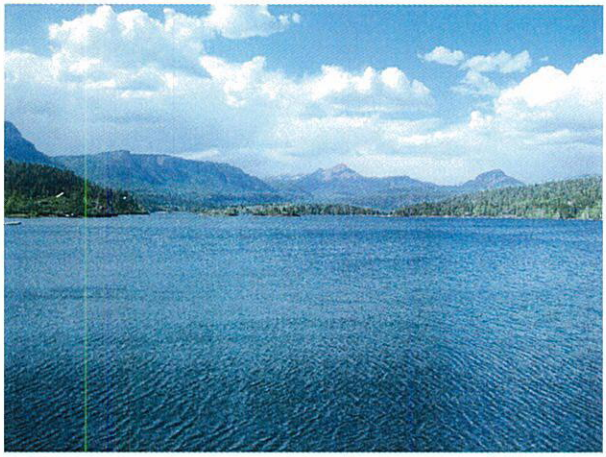
Respectfully Submitted,



Kenneth A. Beegles
Division Engineer
February 2005

← There was enough snow at the end of April to allow Assistant Division Engineer, Bruce Whitehead, and Commissioner, Matthew Schmitt, to conduct a snow survey at the Mancos snow course.

Spring runoff allowed Cascade Reservoir (Electra Lake) to fill by early June. →

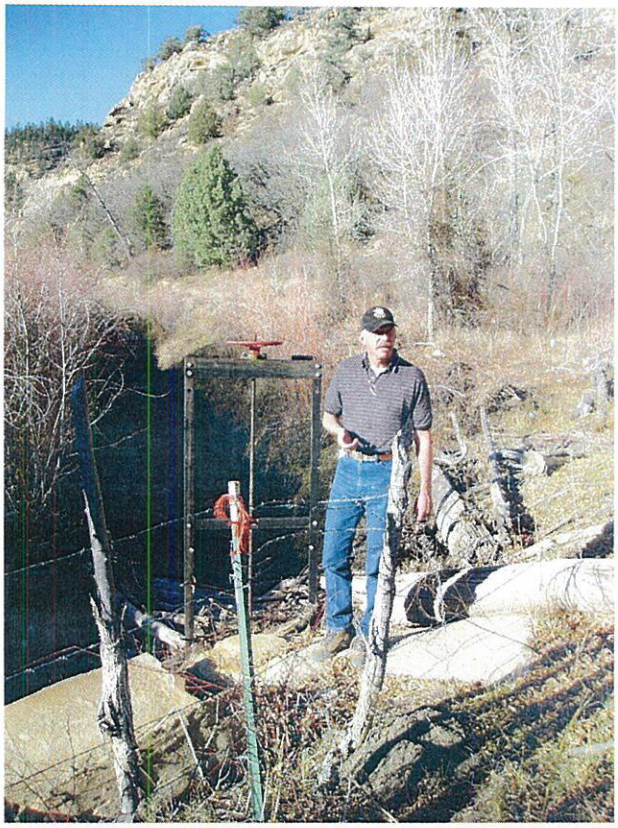


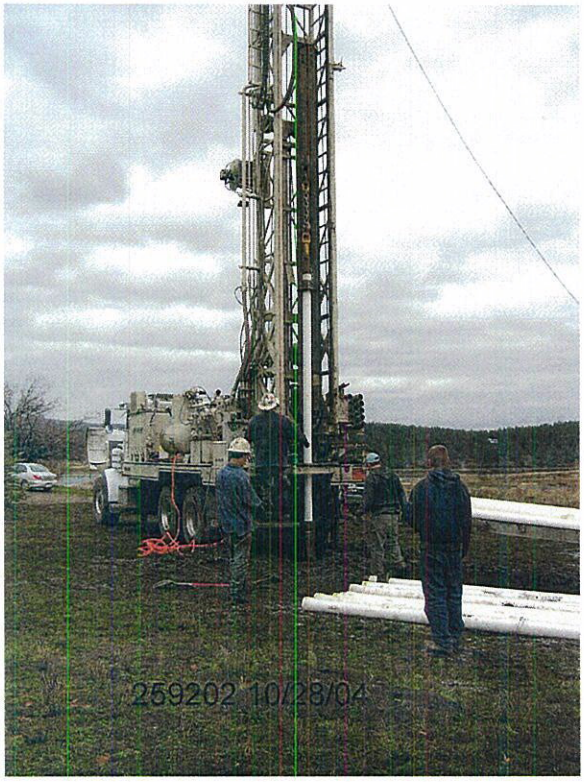
← A river restoration project was carried out on the La Plata River. The project was part of wetlands mitigation for the Animas-La Plata project.

Brice Lee, President of the La Plata Water Conservancy District, was awarded "Water Manager of the Year"

← Work began in the fall on the construction of the head gate of the Pine Ridge Ditch on the La Plata River

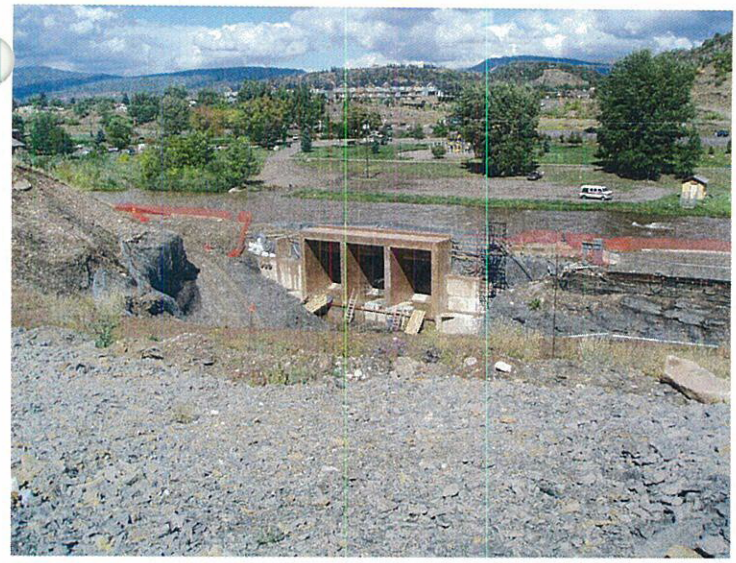
Water Commissioner, Val Valentine continued to teach us the finer points of water administration. →



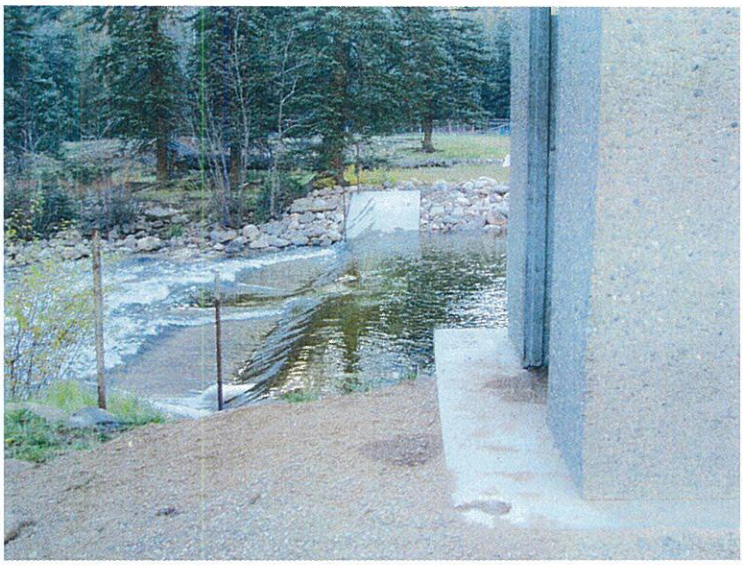


← Our new well inspector, Doug Pickering, took on the challenges of the Well Inspection Program

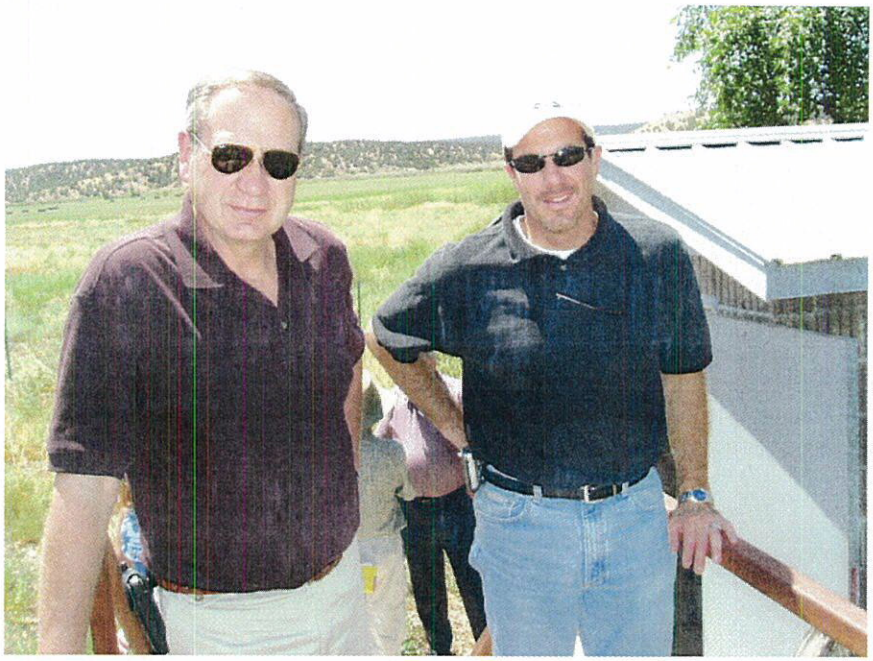
In September, Groundhog Reservoir was drained to allow work to be done on the outlet structure.



A tour of the Ridges Basin Reservoir project in September proved that construction on the pumping plant and dam had made substantial progress.



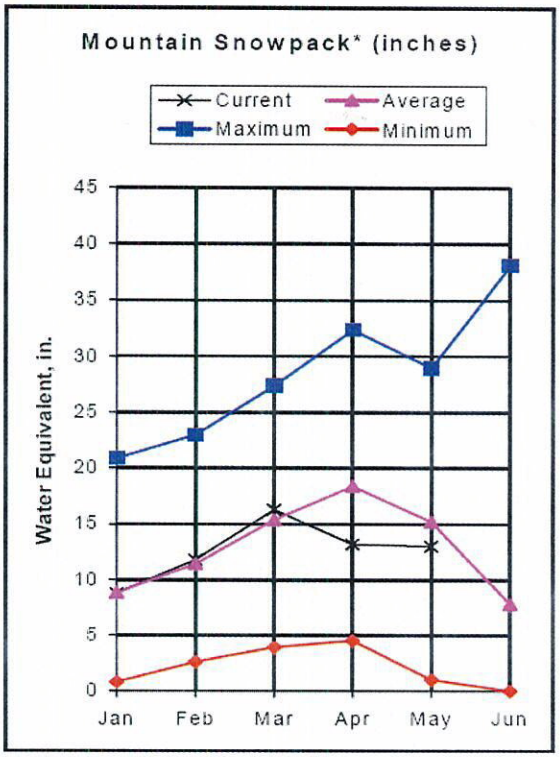
← ↑ Construction on a new gauging station was completed on the Florida River above Lemon Reservoir in October.

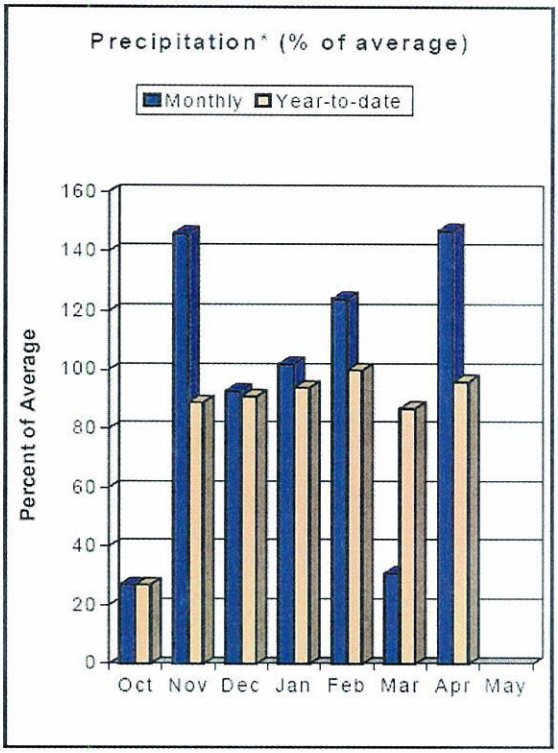


← On August 12th, a tour of the La Plata River system with the State Engineer of Colorado, Hal Simpson (left), and the State Engineer of New Mexico, John D'Antonio (right), proved to be a valuable learning experience for everyone involved.

←↑ Also included in the tour was the proposed Long Hollow Reservoir site and other key structures on the La Plata River.

SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS as of May 1, 2004





*Based on selected stations

Cooler temperatures, coupled with good moisture during April, helped to slow the melt rates, and at higher elevations, add to the snowpack. Snowpack percentages improved to 85% of average this month, while the actual water content dropped by slightly more than one inch on average for the month. This year's snowpack continues to track well ahead of last year's at 165% of those totals. For the six major reservoirs in these basins, storage volumes are only 85% of average, yet remain at 30% more than the volumes measured last year. While this year's water supplies are expected to be markedly improved over those of the last two years, volumes are consistently forecast below average. The best forecasts are located from the Animas River, east to the San Juan River, where most forecasts range from 80 to 90% of average. Meanwhile, the lowest forecasts occur along the Dolores River where volumes of only about 65% of average are anticipated this year.

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	112.8	27.3	214	39	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	86.5	50.1	438	91	68,41	604,549	UNCOMPAHGRE RIVER
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	398.9	47.9	240	52	20	919	RIO GRANDE RIVER
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	502.1	16.2	565	21	20	922	RIO GRANDE RIVER
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	322.1	81.1	397	105	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

2004 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	68.0	10/12/04	200.0	05/11/04	68.0
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.9	11/01/03	67.9	05/24/04	67.9
29	3654	Echo Canyon Reservoir	Echo Creek	1,973.0	11/01/03	2,148.8	04/30/04	2,148.8
29	3682	Thomas Reservoir	San Juan R.	30.0	10/12/04	58.0	11/01/03	30.0
29	3848	Mountain View Reservoir	Four Mile Creek	1,009.8	11/01/03	1,009.8	03/31/04	1,009.8
		Total of all < 50 AF		195.2		226.6		200.8
Total for District 29				3,343.9		3,711.1		3,525.3

2004 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	11/01/03	131.0	10/31/04	131.0
30	3536	Cascade	Elbert Creek	12,369.0	04/20/04	22,719.0	10/28/04	22,719.0
30	3540	Haviland Lake	Elbert Creek	496.0	09/27/04	526.0	04/20/04	526.0
30	3546	Ice Lake	Elbert Creek	416.0	11/01/03	416.0	04/20/04	416.0
30	3547	Keeler Lake	Elbert Creek	488.0	11/01/03	488.0	04/20/04	488.0
30	3548	Lake of the Pines	Little Cascade Creek	108.0	09/01/04	114.0	05/11/04	114.0
30	3560	Turner Ponds	Animas River	63.0	11/01/03	84.0	06/14/04	63.0
30	3561	Turner Reservoir	Waterfall Creek	385.0	09/10/04	472.0	04/15/04	400.0
30	3576	Florida Canal and Res	Florida River	301.5	11/01/03	441.5	07/29/04	351.1
30	3581	Lemon Reservoir	Florida River	9,061.0	11/09/03	37,865.0	06/11/04	15,695.0
30	3622	Henderson Lake	Animas River	57.8	07/31/04	57.8	07/31/04	57.8
30	3625	Naegelin Lake	Junction Creek	255.0	11/01/03	366.0	04/15/04	366.0
30	3630	Twilight Lake	Purgatory Creek	60.0	11/01/03	60.0	05/11/04	60.0
30	3707	Johnson Reservoir	Coal Creek	191.5	03/16/04	947.0	05/17/04	750.0
30	3724	Johnson Lake #2	Wildcat Canyon	0.0	11/01/03	52.0	05/04/04	0.0
30	3817	Dry Lake	Animas River	55.0	11/01/03	55.0	03/25/04	55.0
		Total of all < 50 AF		249.2		317.9		285.7
		Total for District 30		24,687.0		65,112.2		42,477.6

2004 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	11/01/03	208.5	05/07/04	183.5
31	3518	Vallecito Reservoir	Pine River	38,498.7	11/01/03	125,654.5	06/15/04	76,247.3
		*Total of all < 50 AF		0.0		0.0		0.0
Total for District 31				38,635.1		125,863.0		76,430.8

*No Reservoir Observation records kept for reservoirs <50 af in WD 31

2004 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	1,857.0	11/01/03	2,650.4	10/31/04	2,650.4
32	3602	Narraguinnep Reservoir	Transbasin Water	2,587.5	11/01/03	18,902.3	04/06/04	3,778.6
32	3603	A M Puett Reservoir	Transbasin Water	787.0	10/29/04	2,386.2	05/07/04	787.0
		Total of all < 50 AF		101.8		114.0		112.0
Total for District 32				5,333.3		24,052.9		7,328.0

2004 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	177.0	10/31/04	1,176.0	05/25/04	177.0
33	3523	Taylor Reservoir	La Plata River	85.6	11/01/03	85.6	10/31/04	85.6
		*Total of all < 50 AF		0.0		0.0		0.0
Total for District 33				262.6		1,261.6		262.6

*No Reservoir Observation records kept for reservoirs <50 af in WD 33

2004 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	51.0	11/01/03	357.0	04/16/04	78.0
34	3586	Bauer Reservoir No 2	Chicken Creek	570.2	09/16/04	1,532.9	04/28/04	621.0
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	2,907.0	02/29/04	9,948.0	05/31/04	3,318.0
34	3590	L A Bar Reservoir	Chicken Creek	14.4	11/01/03	73.3	04/28/04	25.5
34	3592	Sellers & McClane Res	Mud Creek	0.0	09/16/04	22.0	03/19/04	1.8
34	3594	Weber	Middle Fork Mancos R	94.1	10/15/04	458.9	04/04/04	94.1
		Total of all < 50 AF		15.8		49.2		18.6
		Total for District 34		3,652.5		12,441.3		4,157.0

2004 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	11/01/03	292.0	06/01/04	230.0
69	3530	Dunham Reservoir	Disappointment Creek	40.0	11/01/03	79.0	04/28/04	74.5
69	3532	Morrison Reservoir	Morrison Creek	100.0	11/01/03	116.0	04/14/04	94.0
		Total of all < 50 AF		32.1		50.6		34.6
		Total for District 69		360.1		537.6		433.1

2004 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	64.0	09/27/04	259.0	03/31/04	64.0
71	3607	Buck Pasture Reservoir	Beaver Creek	5.0	10/30/04	53.0	04/28/04	5.0
71	3610	Ethel Belmear Reservoir	Beaver Creek	50.0	11/01/03	87.3	04/28/04	70.0
71	3612	Groundhog Reservoir*	Groundhog Creek	0.0	09/24/04	15,490.0	06/17/04	0.0
71	3613	Lost Canyon Lake	Lost Canyon	75.0	10/30/04	106.0	04/16/04	75.0
71	3614	McPhee Reservoir	Dolores River	169,601.0	02/29/04	301,325.0	05/31/04	207,246.0
71	3619	Summit Reservoir	Lost Canyon	522.0	10/06/04	4,549.0	05/10/04	522.0
	.	Total of all < 50 AF		13.2		16.2		13.2
		Total for District 71		170,330.2		321,885.5		207,995.2

*Groundhog Reservoir drained September 2004 to work on gates

2004 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	62.0	11/01/03	425.0	04/20/04	343.0
77	3696	Sappington Reservoir	Coyote Creek	227.0	10/08/04	320.0	04/20/04	227.0
		Total of all < 50 AF		15.4		18.4		15.4
		Total for District 77		304.4		763.4		585.4

2004 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	50.5	11/01/03	93.4	04/15/04	4.9
78	3626	G S Hatcher	Stollsteimer Creek	1,372.3	08/31/04	1,735.0	03/31/04	1,572.3
78	3629	Linn and Clark Reservoir	Dutton Creek	982.0	11/01/03	1,230.0	03/31/04	1,005.0
78	3633	Pargin Reservoir*	Stollsteimer Creek	0.0	11/01/03	360.0	10/29/04	360.0
78	3636	Pinõn Lake	Dutton Creek	24.7	12/03/03	162.0	02/27/04	30.0
78	3642	Williams Creek Reservoir	Williams Creek	10,084.0	11/01/03	10,084.0	10/25/04	10,084.0
78	3644	Lake Forest	Dutton Creek	407.4	08/31/04	465.0	03/31/04	425.4
78	3645	Stevens Reservoir	Dutton Creek	552.0	08/31/04	635.0	12/29/03	593.5
78	3646	Town Center Lake	Dutton Creek	310.0	08/31/04	630.0	03/31/04	437.5
78	3650	Palisade Lake	Middle Fork Piedra R	45.0	11/01/03	50.0	05/11/04	50.0
		Total of all < 50 AF		68.4		136.8		101.7
		Total for District 78		13,896.3		15,581.2		14,664.3

* Repairs completed at Pargin Reservoir (Lake Capote). Started to fill spring IYR 2004.

2004 WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES		ESTIMATED NUMBER OF VISITS TO STRUCTURE	TOTAL DIVERSIONS (ACRE-FEET)	TOTAL DIVERSIONS TO STORAGE (ACRE-FEET)	TO IRRIGATION		
	WITH RECORD (1)	NO WATER AVAILABLE (2)	NO WATER TAKEN (3)	NO INFORMATION AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS (ACRE-FEET)	NUMBER OF ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
29	354	15	207	13	0	3,847	110,028	196	49,034	9,130	5.37
30	934	56	499	14	0	10,021	298,895	48,775	160,035	30,466	5.25
31	309	30	246	3	0	9,013	710,757	111,534	216,421	49,681	4.36
32 *	246	26	276	36	0	4,541	344,063	20,684	251,183	59,002	4.26
33	211	38	42	0	0	5,464	30,315	1,091	24,973	11,815	2.11
34 **	231	31	148	21	0	3,467	49,444	10,007	33,047	10,588	3.12
46	55	4	17	0	0	811	4,982	0	3,353	847	3.96
69	26	2	12	3	0	105	2,704	259	2,443	648	3.77
71	141	2	76	19	0	3,012	415,454	155,970	14,720	1,715	8.58
77***	117	3	53	0	0	1,566	59,118	451	18,860	2,607	7.23
78	174	11	90	2	0	2,828	37,528	2,120	26,165	4,318	6.06
TOTAL	2,798	218	1,666	111	0	44,675	2,063,288	351,087	800,234	180,817	4.43

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, 218,267 A.F. of which 193,629 A.F. were for irrigation.

** Total Deliveries from Dolores River Basin, Dist. 71, 1,476 A.F. of which 1,449 A.F. were for irrigation.

*** Total Deliveries from Dist. 29, 248 A.F.

2004 WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
29***	214	7,194	1,393	878	0	0	7,793	73	403
30	438	0	5,415	1,121	460	357	7,398	329	13,639
31	805	0	1,272	241	0	0	392	34	94
32 *	0	0	4,606	3	28	0	0	10	1,138
33	0	671	2	6	0	0	0	50	2,067
34	0	0	573	10	0	0	686	8	4,712
46	0	0	0	0	0	0	0	1	11
69	0	0	0	0	0	0	0	0	2
71 **	218,921	34	174	1	0	56	6,661	17	55
77	0	0	0	0	0	0	1,264	30	59
78	397	0	1,582	9	0	0	387	13	1,277
TOTAL	220,775	7,899	15,017	2,269	488	413	24,581	565	23,457

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

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

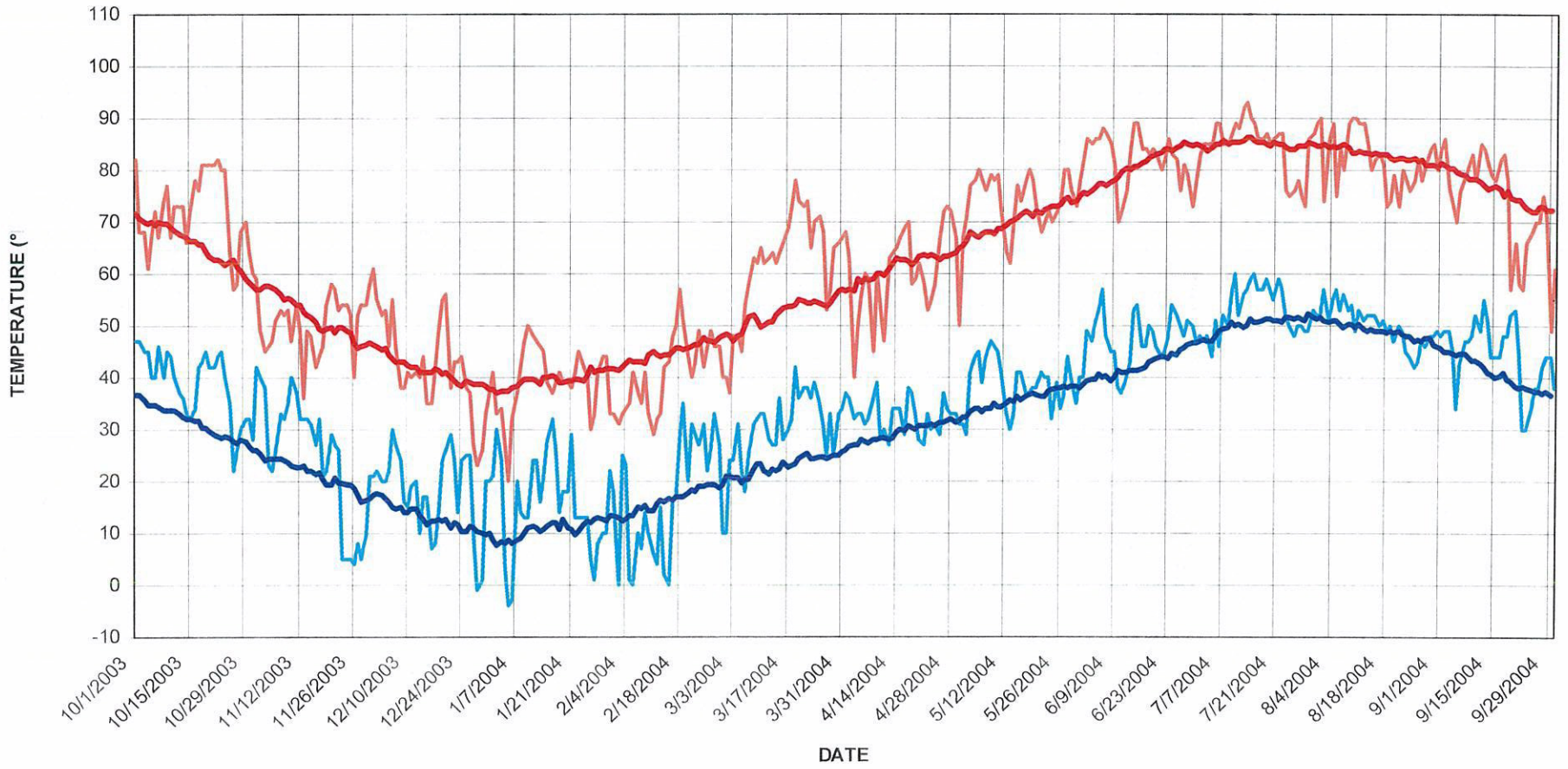
*** Transbasin outflow in Dist 29 includes 248 A.F. to Dist. 77. Remainder is Trans Sub-basin diversion in Snowball Ditch System.

2004 WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

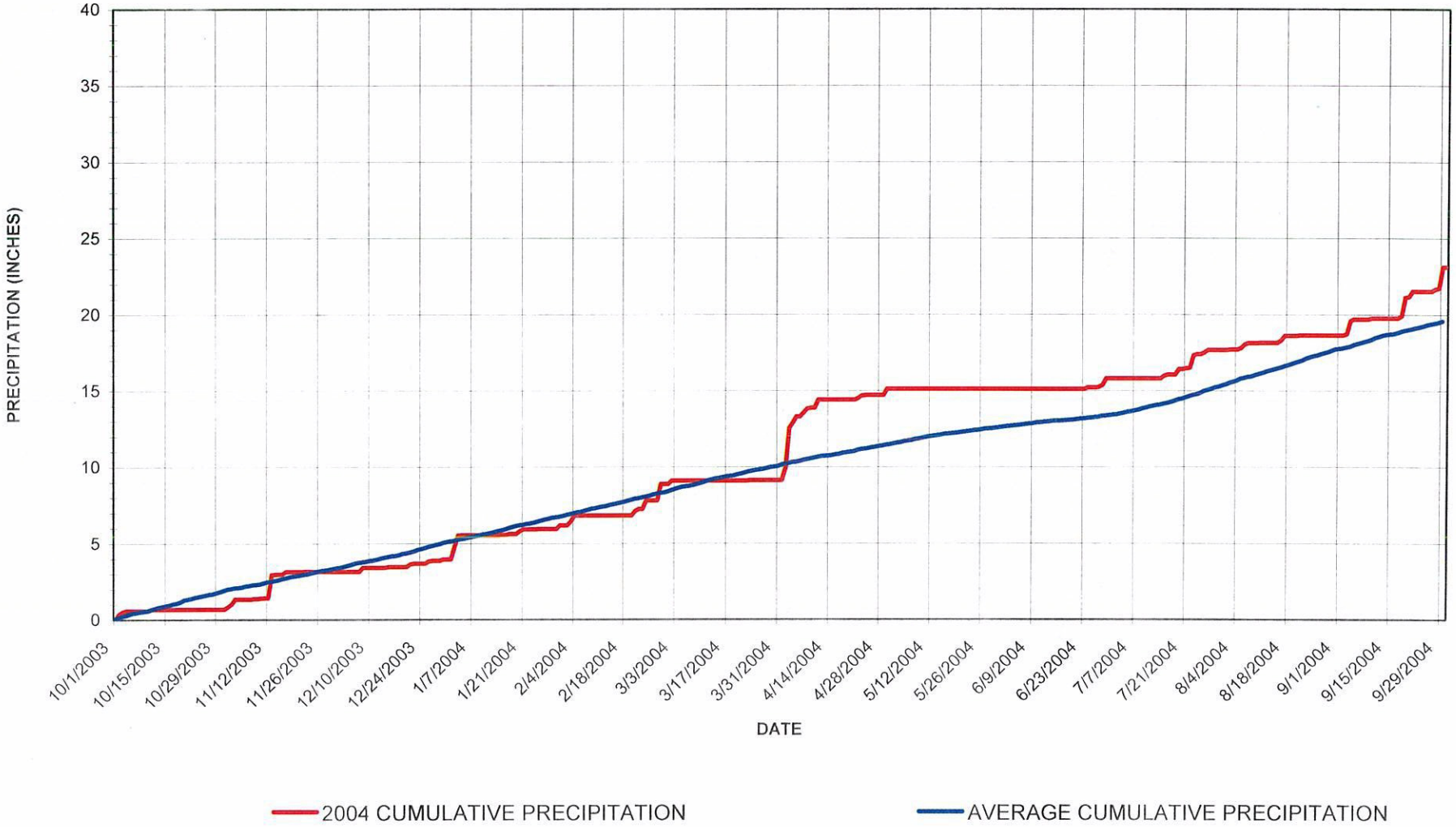
WD	AUGMENTATION	EVAPORATION	FEDERAL RESERVE	GEOTHERMAL *	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
29	19	0	0	0	0	0	0	0	0	0
30	246	786	0	0	128	0	40,530	2	0	0
31	332	5,155	0	0	0	0	176,518	0	0	0
32	3	24	3	0	0	0	33,205	0	0	0
33	4	0	0	0	0	0	0	0	0	0
34	7	6	30	0	0	0	4,317	0	30	0
46	0	2	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0
71	177	97	0	0	0	0	18,460	3	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	788	6,070	33	0	128	0	273,030	5	30	0

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

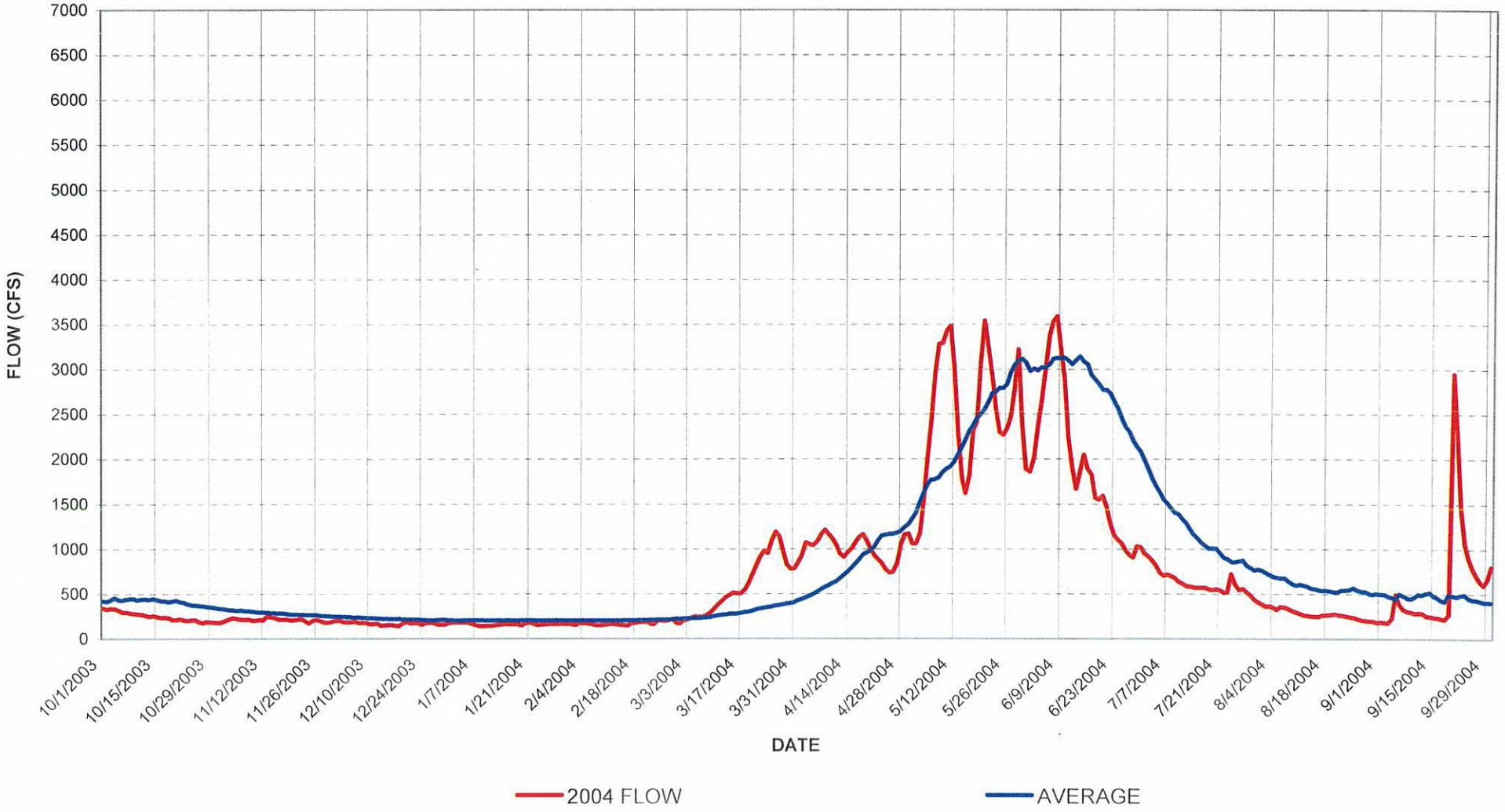
DURANGO TEMPERATURES



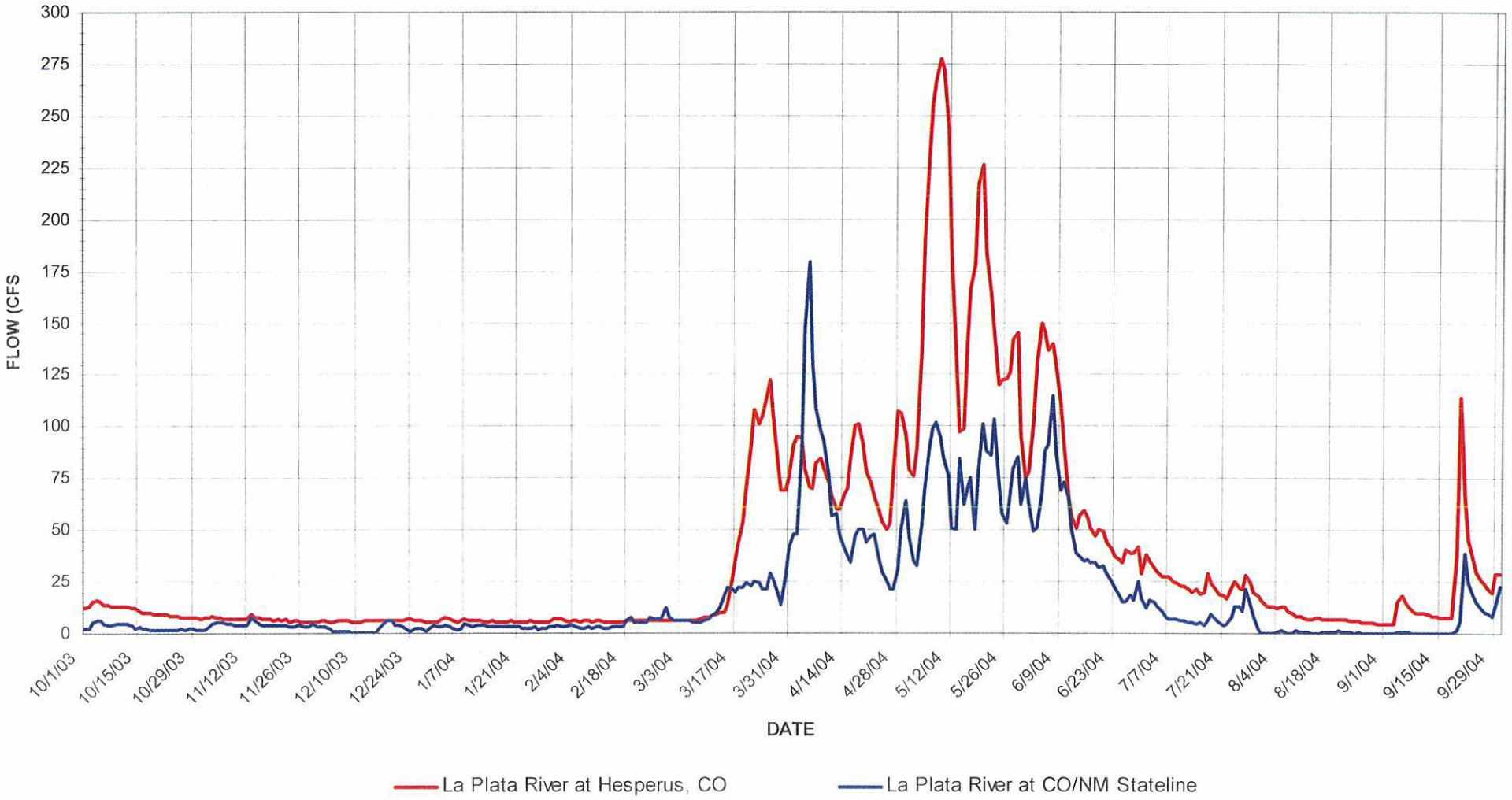
DURANGO CUMULATIVE PRECIPITATION



ANIMAS RIVER AT DURANGO, CO



LA PLATA RIVER COMPACT - 2004 WATER YEAR



LA PLATA RIVER COMPACT MONTHLY ADMINISTRATIVE SUMMARY (ACRE-FEET)
2004 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	364.6	0.0	0.0	0.0	364.6	122.5	0.0	41.8	---	---
JANUARY	355.8	0.0	0.0	0.0	355.8	181.5	0.0	0.0	---	---
FEBRUARY	334.8	0.0	0.0	0.0	334.8	263.2	0.0	3.8	---	---
MARCH	2754.9	0.0	187.8	0.0	2942.7	1013.2	4.1	0.0	163.1	137.2
APRIL	4547.4	0.7	329.6	0.0	4877.7	3561.7	66.6	76.3	3704.6	2415.0
MAY	9485.4	731.2	446.8	7.7	10671.1	4432.6	147.5	200.5	4780.7	4305.7
JUNE	4200.4	1483.4	58.9	1.2	5743.9	2691.2	145.3	182.6	3019.1	2931.8
JULY	1426.6	0.0	0.0	0.0	1426.6	508.9	105.5	112.9	727.3	740.4
AUGUST	477.0	0.0	0.0	0.0	477.0	31.1	0.0	10.7	41.8	249.4
SEPTEMBER	1191.1	0.0	0.0	0.0	1191.1	333.7	0.0	5.7	339.4	573.6
OCTOBER	1241.0	37.0	0.0	0.0	1278.0	764.5	19.1	0.6	784.3	647.4
NOVEMBER	740.4	1.5	0.0	0.0	741.9	417.2	1.1	0.0	418.2	389.3
TOTALS *	23721.9	2253.8	843.9	8.9	26819.9	12899.9	644.1	589.3	13815.4	12252.6

New Mexico placed a call for one half of Hesperus up to 60 cfs March 29, 2004 at 0930

On May 11th, Colorado began requested deliveries up to 80 cfs or 1/2 upper index flow, whichever is less.

On May 15th, Colorado began requested deliveries up to 100 cfs or 1/2 upper index flow, whichever is less.

July 21 - Began one week rotation under agreement between State Engineers - water to New Mexico

*** TOTALS ARE FOR PERIOD OF COMPACT CALL.**

July 28 - Colorado picked up water under the rotation for one week.

Rotation to Colorado Aug. 1 - 4

Rotation to New Mexico Aug. 4-11

Rotation to Colorado Aug. 11 - 18

Compact requirements declared undeliverable due to dry stream Aug. 18 by Colorado State Engineer

River split by dry reach before September 21

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	62,460	806,800	-5.8%
2004	39,940	2,100	35,130	77,170			
AVG.	38,348	4,015	44,361	86,725	89,975	873,690	-3.7%

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

ACTIVITY SUMMARY

FISCAL YEAR 2004

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)	61
NUMBER OF SURFACE RIGHTS ADMINISTERED	23,700
NUMBER OF WELLS ADMINISTERED	950
NUMBER OF DAMS & PONDS VISITED	1250
NUMBER OF PLANS FOR AUGMENTATION (FOR THE CURRENT YEAR)	4
NUMBER OF CONSULTATIONS WITH REFEREE	127
NUMBER OF WATER COURT APPEARANCES	180
NUMBER OF MEETINGS WITH WATER USERS	190
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	120
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS*	Unknown

*This number is not provided due to inaccuracies and missing data

WATER COURT ACTIVITIES
CALENDAR YEAR 2004

NUMBER OF APPLICATIONS FOR DECREES	100
NUMBER OF CONSULTATIONS WITH REFEREE	127
NUMBER OF DECREES ISSUED BY WATER COURT	61

TYPE OF DECREE:

SURFACE WATER	39
GROUND WATER	3
RESERVOIRS	10
TRANSFER	4
ALTERNATE POINT	5
CHANGE IN USE	12
PLANS FOR AUGMENTATION	4
IN-STREAM FLOW	0
OTHER	20
PROTEST TO ABANDONMENT LIST	0
NUMBER OF WATER RIGHTS IN DECREES:	97

TYPE OF NEW STRUCTURES:

DITCHES	17
RESERVOIRS, PONDS	13
WELLS	8
SPRINGS	9
OTHER (PIPELINES, PUMPS, ETC.)	18
TOTAL STRUCTURES:	65

OFFICE ADMINISTRATION FY 2004

NAME	POSITION	FY MONTHS BUDGETED	FY MONTHS WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engineer	12	12	707
Bruce T. Whitehead	Asst. Div. Engineer	12	12	2,759
Dennis Miller	Dam Safety Engineer	12	12	14,697
Scott D. Brinton	Hydrographer	12	12	11,000
Stephanie LeMasters	Program Asst. I	12	11	824
	*Stephanie hired August 2004/1 month vacancy savings			

FULL-TIME EMPLOYEES IN THE FIELD

NAME	POSITION	DISTRICT	BUDGETED	WORKED	FY MILEAGE
John Valentine	Eng Tech II	29, 77, 78	12	12	14,927
Harold Baxstrom	Eng Tech II	30/Florida	9	5	4,513
Tom Fiddler	Eng Tech II	30/Florida	3	3	3,157
	*Harold retired in December 2003/4 months vacancy savings				
Jeff Titus	Eng Tech I	30/Animas	12	11	8,713
Robert Daniels	Eng Tech II	31, 46	12	12	14,730
Hal Pierce	Eng Tech II	30 Animas,	4	4	3,824
Matthew Schmitt	Eng Tech II	33	12	12	10,629
Robert Becker	Eng Tech III	34	12	12	5,035
Denise Miller	Eng Tech II	69,71	12	12	14,128

PERMANENT PART-TIME EMPOYEES IN THE FIELD

NAME	POSITION	DISTRICT	BUDGETED	WORKED	FY MILEAGE
David Hofmann	Eng Tech I	31,46	6.5	3	3,326
Jeff Titus	Eng Tech I	31,46,30 / Chg Position	1	1	Above
	*2.5 months vacancy savings / WD 31,46				
Marty Robbins	Eng Tech I	32	9	9	16,799
Wallace Patcheck	EPS Asst. III	33	4	4	9,296
Sherry Schutz	Eng Tech I	77	7.5	7.5	8,398
Bob Formwalt	Eng Tech I	78	5	5	5,779
Kirby Beegles	EPS Asst I	30/Animas / Temporary	1.5	1.5	556
Gary Vance	EPS Asst III	30/Animas	2.5	2.5	1,619
Harold Baxstrom	Eng Tech II	30/Florida / Temporary	3	3	Above
Stephanie LeMasters	Program Asst. I / Temporary		1	1	Above

TOTAL MAN-MONTHS: **189.00** **179.50**

TOTAL MILES DRIVEN: **155,416**

DIVISION 7
2004 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	06/24/04	Sturgill Ditch	140	09/07/04	73
29	FOUR MILE CREEK	Mesa Ditch	58	06/21/04	Dutton Ditch	173	09/20/04	91
29	RITO BLANCO	M. O. Brown Ditch	25	06/17/04	Echo Ditch	6	09/20/04	95
30	FLORIDA RIVER	Florida Farmers Ditch	66-52	06/13/04	Florida Farmers Ditch	F-17	0929/04	100
30	COTTONWOOD CREEK	Williamson Ditch	68-2	05/27/04	Non-Decreed Pond	-	08/04/04	69
30	ELBERT CREEK (Upper)	Power Canal No 1	65-9A	11/14/03	Power Canal No1	65-9A	10/31/04	353
30	ELBERT CREEK (Lower)	Conley Ditch	E-1	06/08/04	Conley Ditch	E-1	09/20/04	105
30	LITTLE CASCADE CREEK	Little Cascade Creek Canal	65-9	11/14/03	Little Cascade Creek Canal	65-9	10/31/04	353
31	PINE RIVER	Robert Morrison	65-22	06/18/04	Dr Morrison Ditch, Ceanaboo Ditch, *Nanice Ditch, Spring Creek (509)*	P-1	09/20/04	94
32	McELMO CREEK	Murray-Zwicker-Tozer D	62-13A	04/21/04	Schalles Ditch	62-14	05/03/04	12
32	UN-NAMED TRIB McELMO CK	Goode Ditch	12/31/1990	07/21/04	C Veach Ditch	12/31/1994	08/09/04	19

DIVISION 7
2004 RIVER CALLS

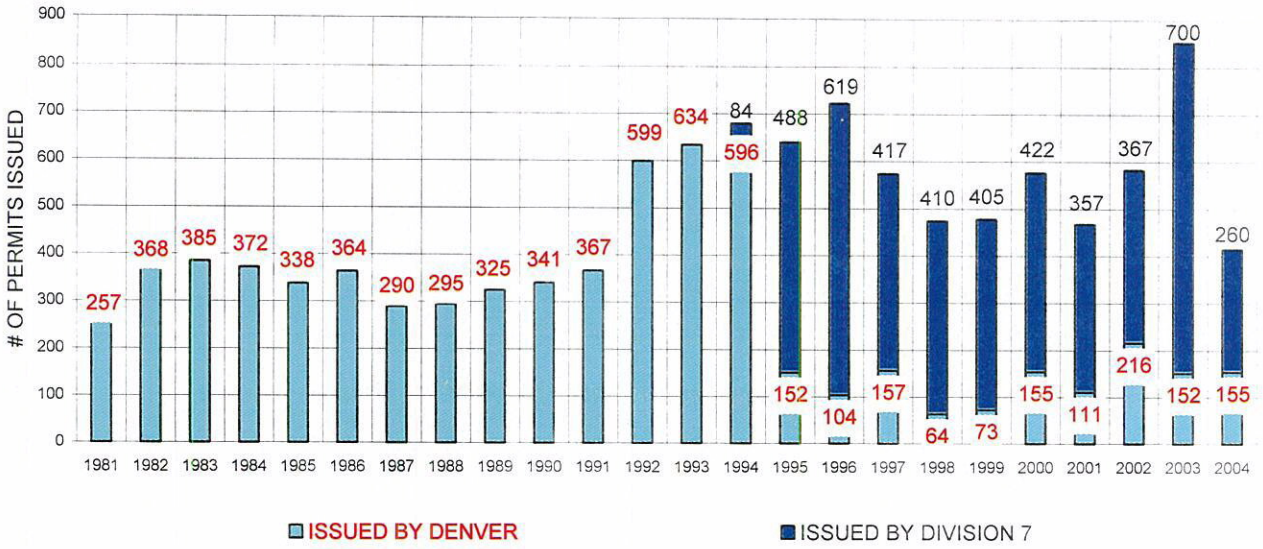
(continued)

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 State Line)	Interstate Compact	Compact	03/29/04	Hay Gulch Ditch	5	07/21/04	115
33	LA PLATA RIVER * (Hesperus to Stateline)	Interstate Compact *(Entire River Delievered to NM)	Compact	07/21/04	La Plata Irg Ditch	1	07/28/04	7
33	LA PLATA RIVER ** (Hesperus to Stateline)	La Plata Irr Ditch **(Conditional Rotation CO)	1	07/28/04	Hay Gulch Ditch	5	08/04/04	7
33	LA PLATA RIVER (Hesperus to Stateline)	Interstate Compact (Conditional Rotation NM)	Compact	08/04/04	La Plata Irg Ditch	1	08/11/04	7
33	LA PLATA RIVER (Hesperus to Stateline)	La Plata Irr Ditch (Conditional Rotation CO)	1	08/11/04	Hay Gulch Ditch	5	08/17/04	7
33	LA PLATA RIVER (Hesperus to Hay Gulch Confl)	H H Ditch	42	08/17/04	Hay Gulch Ditch	5	09/19/04	33
33	LA PLATA RIVER (Hay Gulch Confl to Long Hollow)	Joseph Freed Ditch	56	08/17/04	Joseph Freed Ditch	56	09/19/04	33
33	LA PLATA RIVER (Hesperus to State Line)	H H Ditch	42	09/20/04	Hay Gulch Ditch	5	10/31/04	41
34	MANCOS RIVER	Henry Bolen Ditch	M-6	06/14/04	Dunton Ditch	M-51	09/21/04	99
71	DOLORES RIVER	Narraguinnep Reservoir	12/18/1933 (03/15/1888)	11/01/03	McPhee Reservoir	62-18R	10/28/04	205
77	SPRING GULCH	Bramwell Spring Ck Ditch	68-102	06/06/04	Log Canyon Ditch	12/31/1998	08/28/04	81
78	Stollsteimer Creek	Dyke No 1 Ditch	13	07/2/04	Ross Ditch	68-18	09/16/04	76

* Live river conditions through entire reach of La Plata River. All Colorado ditches curtailed to deliver New Mexcio Compact entitlement.

** Operational plan between Colorado & New Mexico for Conditional Rotation. Colorado agreed to "wet river condtion" during Colorado rotation. Previous week 07/21/04-07/28/04 credited to NM rotation.

DIVISION 7 WELL PERMIT ACTIVITY



SUMMARY OF WELL PERMITS ISSUED IN DIVISION 7

CALENDAR YEAR	ISSUED BY DENVER	ISSUED BYDIVISION 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
2004	155	260

2004 IRRIGATION YEAR SUMMARY
DISTRICT 29

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	46,731
STORAGE	193
STOCKWATER	403
MUNICIPAL	1,393
DOMESTIC	64
INDUSTRIAL	0
RECREATION	0
FISH	7,793
OTHER:COMMERCIAL,AUGMENTATION	878
TRANSMOUNTAIN-TRANSBASIN	7,296
INTERSTATE	41,385
TOTAL DIVERSIONS.....	106,136
DELIVERIES FROM STORAGE	
IRRIGATION	92
DOMESTIC	9
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	112
OTHER:AUGMENTATION,ETC.	19
TOTAL DIVERSIONS.....	232
DELIVERIES FROM TRANS SUB-BASIN	
IRRIGATION	2,211
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	2,211
DUTY OF WATER:	
TOTAL TO IRRIGATION	49,034
ACRES IRRIGATED	9,130
ACRE-FEET DIVERTED PER ACRE	5.37
NUMBER OF STRUCTURES OBSERVED	556
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	11
ACTIVE DIVERSIONS-DAILY	188
-INFREQUENT STRUCTURES	130
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	16
-NOT USED (A,C,D, CODES)	207
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, SURFACE RIGHTS	405
NUMBER OF RESERVOIRS	103
NUMBER OF WELLS	83
NUMBER OF OBSERVATIONS	3,847

2004 IRRIGATION YEAR SUMMARY
DISTRICT 30

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	132,067
STORAGE	47,430
STOCKWATER	12,683
MUNICIPAL	5,415
DOMESTIC	329
INDUSTRIAL,POWER	23,921
RECREATION	357
FISH	8,250
OTHER:COMMERCIAL,RECHARGE,AUGMENTATION,etc..	887
SNOWMAKING	29
TRANSMOUNTAIN-TRANSBASIN	438
INTERSTATE	13,799
TOTAL DIVERSIONS.....	245,605
DELIVERIES FROM STORAGE	
IRRIGATION	27,909
DOMESTIC	0
MUNICIPAL	0
STOCK	956
INDUSTRIAL,POWER	17,069
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,RECHARGE,EVAP,AUGMENTATION	1,243
SNOWMAKING	99
TOTAL DIVERSIONS.....	47,276
DELIVERIES FROM TRANSBASIN	
IRRIGATION	59
STORAGE	586
MUNICIPAL	0
STOCK	0
OTHER:COMMERCIAL,RECREATION,etc.	26
TOTAL FROM TRANSBASIN.....	671
DUTY OF WATER:	
TOTAL TO IRRIGATION	160,035
ACRES IRRIGATED	30,466
ACRE-FEET DIVERTED PER ACRE	5.25
NUMBER OF STRUCTURES OBSERVED	1,479
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	256
-INFREQUENT STRUCTURES*	652
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	58
-NOT USED (A,C,D, CODES)	499
-NO INFORMATION AVAILABLE (F CODE)	14
NUMBER OF DITCHES	868
NUMBER OF RESERVOIRS	196
NUMBER OF WELLS	481
NUMBER OF OBSERVATIONS	10,021

2004 IRRIGATION YEAR SUMMARY
DISTRICT 31

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	150,649
STORAGE	111,534
STOCKWATER	94
MUNICIPAL	987
DOMESTIC	34
POWER,INDUSTRIAL	176,518
RECREATION	0
FISH	392
OTHER:COMMERCIAL	241
TRANSMOUNTAIN-TRANSBASIN	805
TOTAL DIVERSIONS.....	441,254
DELIVERIES FROM STORAGE	
IRRIGATION	65,772
DOMESTIC	0
MUNICIPAL	285
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:EVAPORATION,AUGMENTATION	5,487
TOTAL DIVERSIONS.....	71,544
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	216,421
ACRES IRRIGATED	49,681
ACRE-FEET DIVERTED PER ACRE	4.36
NUMBER OF STRUCTURES OBSERVED	784
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	126
-INFREQUENT STRUCTURES	379
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	30
-NOT USED (A,C,D, CODES)	246
-NO INFORMATION AVAILABLE (F CODE)	2
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	483
NUMBER OF RESERVOIRS	70
NUMBER OF WELLS	354
NUMBER OF OBSERVATIONS	9,013

2004 IRRIGATION YEAR SUMMARY
DISTRICT 32

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	44,161
STORAGE	1,536
STOCKWATER	8
MUNICIPAL	8
DOMESTIC	10
INDUSTRIAL	28
RECREATION	0
FISH	0
OTHER:COMMERCIAL,FEDERAL RESERVE	6
TRANSMOUNTAIN-TRANSBASIN	0
TOTAL DIVERSIONS.....	45,757
DELIVERIES FROM STORAGE	
IRRIGATION	13,393
DOMESTIC	0
MUNICIPAL	0
STOCK	240
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,AUGMENTATION,EVAPORATION	25
TOTAL DIVERSIONS.....	13,658
DELIVERIES FROM TRANSBASIN	
IRRIGATION	193,629
STORAGE	19,148
MUNICIPAL	4,598
STOCK	890
POWER	33,205
OTHER:AUGMENTATION	2
TOTAL FROM TRANSBASIN.....	251,472
DUTY OF WATER:	
TOTAL TO IRRIGATION	251,183
ACRES IRRIGATED	59,002
ACRE-FEET DIVERTED PER ACRE	4.26
NUMBER OF STRUCTURES OBSERVED	702
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	228
-INFREQUENT STRUCTURES	134
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	26
-NOT USED (A,C,D, CODES)	276
-NO INFORMATION AVAILABLE (F CODE)	38
NUMBER OF DITCHES, SURFACE RIGHTS	547
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	45
NUMBER OF OBSERVATIONS	4,541

2004 IRRIGATION YEAR SUMMARY
DISTRICT 33

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	23,882
STORAGE	1,091
STOCKWATER	2,061
MUNICIPAL	2
DOMESTIC	50
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	6
TRANSMOUNTAIN-TRANSBASIN	671
INTERSTATE	1,127
TOTAL DIVERSIONS.....	27,763
DELIVERIES FROM STORAGE	
IRRIGATION	1,091
DOMESTIC	0
MUNICIPAL	0
STOCK	6
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE,AUGMENTATION	4
TOTAL DIVERSIONS.....	1,101
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	24,973
ACRES IRRIGATED	11,815
ACRE-FEET DIVERTED PER ACRE	2.11
NUMBER OF STRUCTURES OBSERVED	205
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	53
-INFREQUENT STRUCTURES	69
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	41
-NOT USED (A,C,D, CODES)	42
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	254
NUMBER OF RESERVOIRS	22
NUMBER OF WELLS	54
NUMBER OF OBSERVATIONS	5,464

2004 IRRIGATION YEAR SUMMARY
DISTRICT 34

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	24,410
STORAGE	9,993
STOCKWATER	4,559
MUNICIPAL	483
DOMESTIC	6
RECREATION	0
FISH	686
POWER	2,295
OTHER:FEDERAL RESERVE,RECHARGE	60
TOTAL DIVERSIONS.....	42,492
DELIVERIES FROM STORAGE	
IRRIGATION	7,188
DOMESTIC	0
MUNICIPAL	90
STOCK	140
INDUSTRIAL	0
RECREATION	0
POWER	2,022
OTHER:FISHERY,COMMERCIAL,EVAPORATION	11
TOTAL DIVERSIONS.....	9,451
DELIVERIES FROM TRANSBASIN	
IRRIGATION	1,449
STORAGE	14
MUNICIPAL	0
STOCK	13
TOTAL FROM TRANSBASIN.....	1,476
DUTY OF WATER:	
TOTAL TO IRRIGATION	33,047
ACRES IRRIGATED	10,588
ACRE-FEET DIVERTED PER ACRE	3.12
NUMBER OF STRUCTURES OBSERVED	482
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
ACTIVE DIVERSIONS-DAILY	75
-INFREQUENT STRUCTURES	207
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	31
-NOT USED (A,C,D, CODES)	148
-NO INFORMATION AVAILABLE (F CODE)	17
NUMBER OF DITCHES, SURFACE RIGHTS	418
NUMBER OF RESERVOIRS	29
NUMBER OF WELLS	36
NUMBER OF OBSERVATIONS	3,467

2004 IRRIGATION YEAR SUMMARY
DISTRICT 46

DIRECT DIVERSIONS		ACRE-FEET
IRRIGATION		3,353
STORAGE		0
STOCKWATER		11
MUNICIPAL		0
DOMESTIC		1
INDUSTRIAL		0
RECREATION		0
FISH		0
OTHER:EVAPORATION		2
INTERSTATE		1,615
	TOTAL DIVERSIONS.....	4,982

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	3,353
ACRES IRRIGATED	847
ACRE-FEET DIVERTED PER ACRE	3.96

NUMBER OF STRUCTURES OBSERVED	65
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	37
-INFREQUENT STRUCTURES	7
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	4
-NOT USED (A,C,D, CODES)	17
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	66
NUMBER OF RESERVOIRS	10
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	811

2004 IRRIGATION YEAR SUMMARY
DISTRICT 69

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		2,343
STORAGE		225
STOCKWATER		0
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		0
FISH		0
OTHER:		0
	TOTAL DIVERSIONS.....	2,568
DELIVERIES FROM STORAGE		
IRRIGATION		100
DOMESTIC		0
MUNICIPAL		0
STOCK		2
OTHER:		0
	TOTAL DIVERSIONS.....	102
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		34
MUNICIPAL		0
STOCK		0
	TOTAL FROM TRANSBASIN.....	34
DUTY OF WATER:		
TOTAL TO IRRIGATION		2,443
ACRES IRRIGATED		648
ACRE-FEET DIVERTED PER ACRE		3.77
NUMBER OF STRUCTURES OBSERVED		45
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		3
ACTIVE DIVERSIONS-DAILY		13
-INFREQUENT STRUCTURES		15
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		2
-NOT USED (A,C,D, CODES)		12
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		35
NUMBER OF RESERVOIRS		7
NUMBER OF WELLS		1
NUMBER OF OBSERVATIONS		105

2004 IRRIGATION YEAR SUMMARY
DISTRICT 71

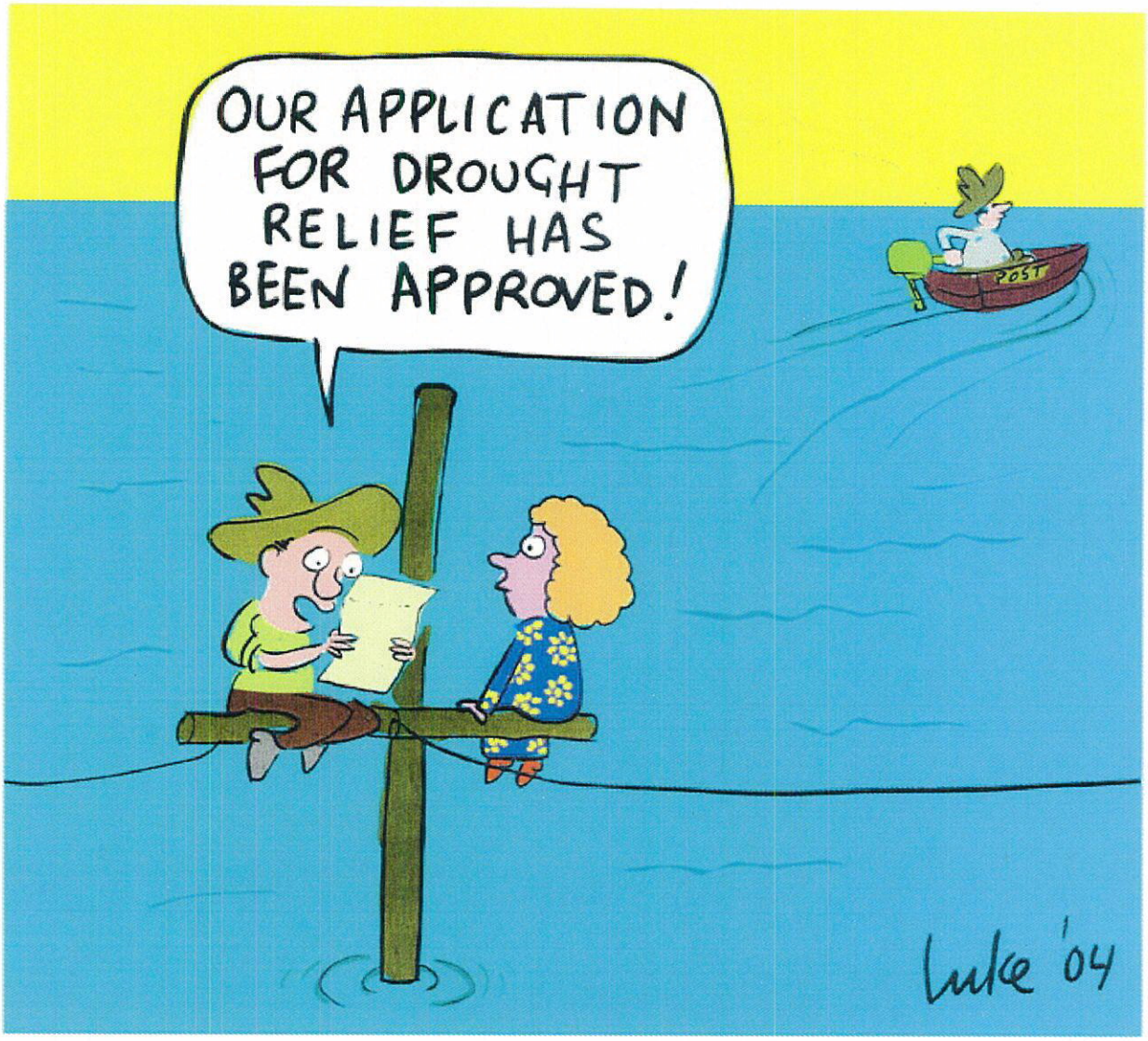
		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	14,625
	STORAGE	155,970
	STOCKWATER	55
	MUNICIPAL	174
	DOMESTIC	17
	INDUSTRIAL	0
	RECREATION	56
	FISH	6,661
	POWER (Multiple Sources)	18,460
	OTHER:COMMERCIAL,AUGMENTATION	67
	TRANSMOUNTAIN-TRANSBASIN	114,043
	TOTAL DIVERSIONS.....	310,128
DELIVERIES FROM STORAGE		
	IRRIGATION	95
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	104,912
	POWER (See Direct Diversions)	0
	OTHER:AUGMENTATION,EVAPORATION	208
	TOTAL DIVERSIONS.....	105,215
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	14,720
	ACRES IRRIGATED	1,715
	ACRE-FEET DIVERTED PER ACRE	8.58
NUMBER OF STRUCTURES OBSERVED		236
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	5
	ACTIVE DIVERSIONS-DAILY	54
	-INFREQUENT STRUCTURES	85
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
	-NOT USED (A,C,D, CODES)	76
	-NO INFORMATION AVAILABLE (F CODE)	14
NUMBER OF DITCHES, SURFACE RIGHTS		171
NUMBER OF RESERVOIRS		25
NUMBER OF WELLS		47
NUMBER OF OBSERVATIONS		3,012

2004 IRRIGATION YEAR SUMMARY
DISTRICT 77

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		18,682
STORAGE		451
STOCKWATER		59
MUNICIPAL		0
DOMESTIC		30
INDUSTRIAL		0
RECREATION		0
FISH		1,264
OTHER:COMMERCIAL		0
INTERSTATE		37,226
	TOTAL DIVERSIONS.....	57,712
DELIVERIES FROM STORAGE		
IRRIGATION		178
DOMESTIC		0
STOCK		0
INDUSTRIAL		0
RECREATION		0
OTHER:FISH		0
	TOTAL DIVERSIONS.....	178
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK		0
OTHER:MULTIPLE		248
	TOTAL FROM TRANSBASIN.....	248
DUTY OF WATER:		
TOTAL TO IRRIGATION		18,860
ACRES IRRIGATED		2,607
ACRE-FEET DIVERTED PER ACRE		7.23
NUMBER OF STRUCTURES OBSERVED		162
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		78
-INFREQUENT STRUCTURES		28
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		3
-NOT USED (A,C,D, CODES)		53
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		122
NUMBER OF RESERVOIRS		27
NUMBER OF WELLS		30
NUMBER OF OBSERVATIONS		1,566

2004 IRRIGATION YEAR SUMMARY
DISTRICT 78

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	23,961
	STORAGE	707
	STOCKWATER	1,769
	MUNICIPAL	20
	DOMESTIC	13
	INDUSTRIAL	0
	RECREATION	0
	FISH	387
	OTHER:COMMERCIAL	8
	TRANSMOUNTAIN-TRANSBASIN	397
	TOTAL DIVERSIONS.....	27,262
DELIVERIES FROM STORAGE		
	IRRIGATION	598
	DOMESTIC	0
	MUNICIPAL	870
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:COMMERCIAL	1
	TOTAL DIVERSIONS.....	1,469
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	622
	STORAGE	1,033
	MUNICIPAL	692
	STOCK	56
	TOTAL FROM TRANSBASIN.....	2,403
DUTY OF WATER:		
	TOTAL TO IRRIGATION	25,181
	ACRES IRRIGATED	4,318
	ACRE-FEET DIVERTED PER ACRE	5.83
NUMBER OF STRUCTURES OBSERVED		259
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
	ACTIVE DIVERSIONS-DAILY	95
	-INFREQUENT STRUCTURES	61
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	11
	-NOT USED (A,C,D, CODES)	90
	-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS		188
NUMBER OF RESERVOIRS		65
NUMBER OF WELLS		30
NUMBER OF OBSERVATIONS		2,828


OUR APPLICATION FOR DROUGHT RELIEF HAS BEEN APPROVED!
POST
Luke '04