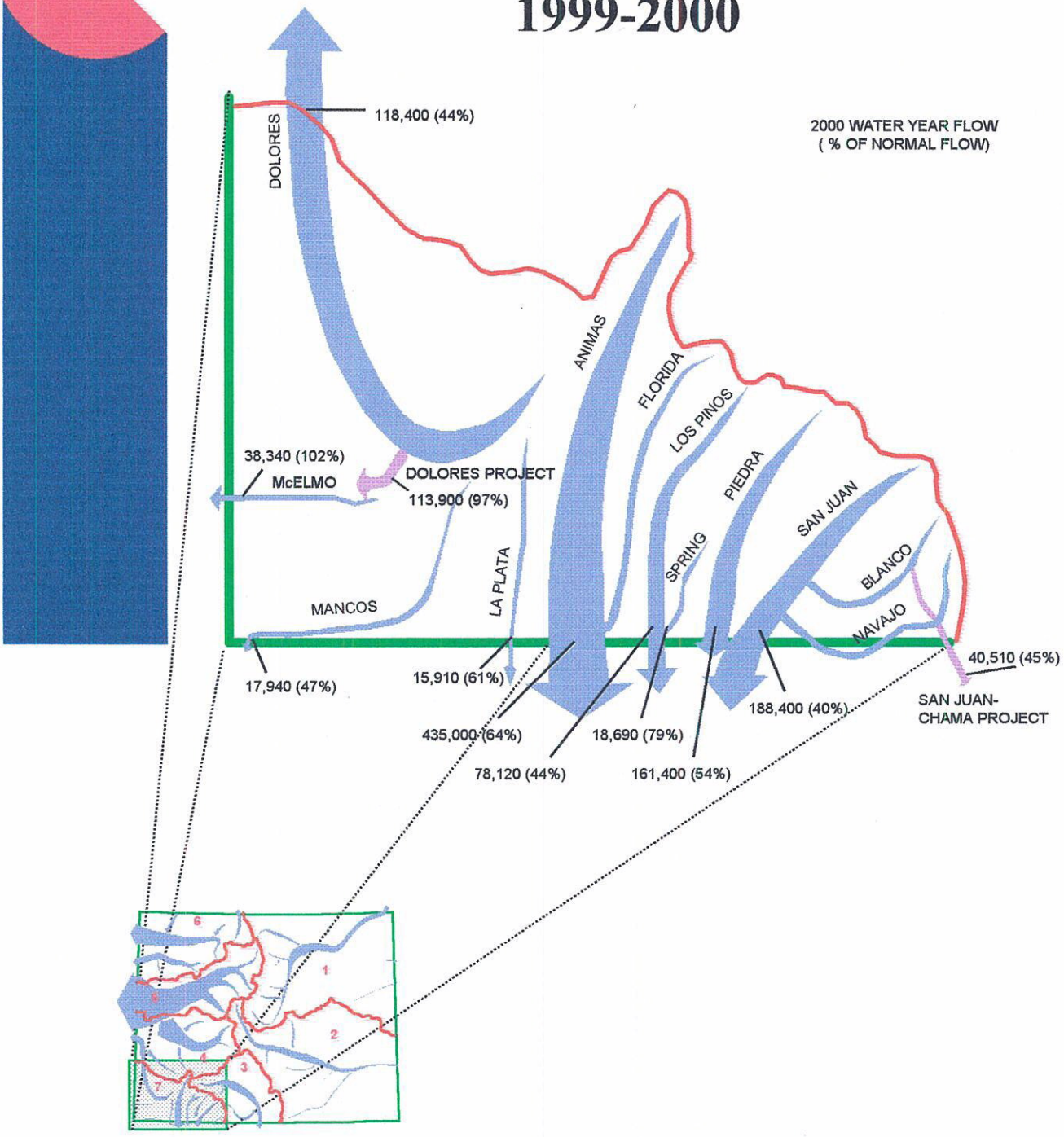
DIVISION OF WATER RESOURCES
DIVISION VII ANNUAL REPORT
1999-2000



Ken Beegles
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A. CURRENT WATER YEAR

Following the pattern experienced in the past several years, an odd numbered year with good supply conditions (1999) is followed by a much drier year (2000), where users struggled to secure the supplies needed to accomplish their purposes. During the fall of 1999, rainstorms drenched the area and refilled most of the reservoirs. The outlook was good for the coming year but warmer temperatures and very poor snow conditions were experienced throughout the winter and by spring the snow water equivalent was 60% across the San Juan/Dolores River Basins. On the Dolores and San Miguel Drainages, where seeding of clouds had occurred a significantly better supply existed at around 80% of normal (see page 30). The storm fronts during the winter had diverted to the north or just generally bypassed the San Juans. Planning agencies braced for low runoff and drought conditions. In Archuleta County, very poor conditions existed and runoff was predicted to be as low as 45-50% of normal.

Because of the warm spring weather, flows rose rapidly in April and it appeared that reservoirs would fill by the second week in May. Managers to avoid the spill drew down the larger reservoirs, which needed less water to fill than usual. By May 10, shortly after this drawdown began it was obvious that the early peak was over. With the depletion of some of the higher basins, not enough remnant snowpack remained to supply the irrigation demand and also refill the project reservoirs. The high elevation snow had melted significantly and ran out during the earlier warming periods. Though they each gained back most of the draw down, Vallecito and McPhee did not quite refill. Lemon Reservoir also was held back in case of a spill. Then it could not quite fill as inflows dropped but did reach a level within 500 acre feet of full.

Supplies were sufficient in the non-critical drainages and those with reservoirs but in the others no water was available for most users after June. The first river calls were placed in early June and continued throughout the summer. Extremely dry conditions led to a major fire in the Los Alamos, NM area after a prescribed burn was approved on US Park Service land. The air quality changed noticeably in the Four Corners area. Then, in July parched conditions and lightning caused a fire, which ultimately burned about 45,000 acres, in the Mesa Verde Area. A

later fire spread into the park from the Southwest and burned another 15,000 acres. The fires across the West served to change the weather to thunderstorm formations, which rained wet ash. In September, the summer monsoon conditions finally combined to lead to some significant rainfall. The grass seemed to do well in the mountains later in the summer but the best crops in the lower elevations were raised after the initial irrigation, early in the season. Temperature and precipitation for the year is on page 45 and 46.

Administration of Water

Diversion statistics show that water was taken where available in greater amounts than usual. Reservoir storage replaced supplies that were not otherwise available from the stream on those streams having reservoir supplies. River calls were placed early and exercised on most streams, including Junction Creek and Elbert Creek in District 30 as well as Martinez Creek in District 77. Fourmile Creek in District 29 also was under severe curtailment. Specific areas where division personnel participated are summarized below:

La Plata Compact (page 48): The La Plata River went on call in Colorado on April 20th and that was followed by a New Mexico call on May 25. The river cycled up and down during May allowing most of the ditches to have a short run of water. In June flows dropped steadily and it appeared a split river would affect the delivery by the 25th. However, a rainstorm followed and there was a slight increase, which kept the river running into July. New Mexico officials were contacted and a field session was convened on July 11 to observe the dry channel. Colorado determined the call to be futile from the upper reaches on July 11. The only rain event to occur between July and September 1 was on August 19 & 20. When the flow at Hesperus rose to 20 cfs, the senior ditches were curtailed in an attempt to run water through to New Mexico. This failed and the river again was diverted above the Big Stick Ditch. The wet weather in late September led to over deliveries and finally balanced the Compact shortages from earlier. There were considerable conflicts in dealing with the futile call situation during this time period. Users met with the State Engineer in early September to discuss the issues surrounding the Compact. The State Engineer asked staff to prepare a study of the vegetative losses along the dry reach with data collection provided from the field. This study showed that the losses experienced in the river could be explained by vegetative and heat consumption alone.

San Juan Chama Project (page 50): The goal of the USBR, as stated early in the year, was to take as much water as possible. This occurred despite efforts by members of the Division Seven office and the Colorado Water Conservation Board to secure an agreement to keep the instream minimum flow at the decreed amount. Progress was made toward an agreement that would have exchanged water with the diversions in such a way as to guarantee no loss to the project yield. This plan was not implemented because the supply projections showed Colorado could likely receive no more than the natural flow. This rate was well below the decreed instream amount below the Blanco Diversion. The total diversion made was 40,826 acre feet from the three diversions, the lowest total recorded except for 1977.

Political action and litigation in New Mexico involving endangered species on the Rio Grande led to releases of major amounts of water from San Juan Project Reservoirs to meet targeted streamflows in the Rio Grande Drainage.

Animas – La Plata Project: The Animas-La Plata Project gained a major step forward when Interior Secretary Bruce Babbitt and the Clinton administration endorsed one of the project alternatives proposed by the Bureau of Reclamation. This alternative would modify the reservoir size and provide a tribal development fund to be used in establishing more tribal use by purchases of water rights. The project would include small allocations to the water districts in New Mexico and Colorado. No irrigation water was featured. Congress approved this form of the project in December 2000.

Elbert Creek: Diversions on Elbert Creek were enforced under statutes governing priorities beginning June 2, 2000. A major conflict ensued when the delivery from Bradford Reservoir was found to be insufficient and use of the outlet was required to make the delivery. A second pond found in the area was diverting out of priority. The owners of these two structures managed to work with Public Service Company of Colorado to secure an agreement to buy replacement water for the late season. The Water Commissioner, Dave Nelson, wrote letters to all the owners of lots in the Lakewood Meadows Subdivision reminding them of the Household Use Only requirements of their well permits. People stopped using water outside. However

there may be some follow up action required in the future. Upstream near the Needles Store, water impounded out of priority in Twilight Pond #1 out of priority was released in November as Public Service Company of Colorado extended the call into the new season. A replacement plan proposed for the Two Dogs Subdivision led to serious discussions concerning the use of Cascade Reservoir water under older decrees. A temporary supply was finally approved for the irrigation wells in the Needles area. Granite Lake also needed a substitute supply plan by the end of the year.

Enforcement Actions: Many structure orders were written this year. Twenty three were written for meter changes on the Florida Drainage. Barsanti's pond near Chromo was drained and Hill's ponds on Martinez Creek were addressed. Orders for improvements on the Dutton Ditch from two years ago were finally completed and water was run. Several pond actions occurred in other areas of the Division. Proposed work on Denny Lake led to a meeting with the Cortez City Officials for clarification of the plans. The requirement that the water taken for the lake be from return flow or wastewater rather than from the MVI Irrigation Supply was also addressed. Structure improvements were to be completed on the Wilson Ditch, near Cortez, by the next season.

Division Seven Staff Summaries

Hydrographic Report / Scott Brinton

Streamflow was below normal for the year. Streamflow records for the 1999 Water Year were completed and delivered to the chief hydrographer for publication. Two records were published by the USGS. Twenty-three records were published in the Colorado Division of Water Resources yearly publication.

The Division 7 hydrographer made 170 river measurements and 26 ditch measurements this year. Water commissioners in Division 7 made 48 river measurements and 16 ditch measurements.

No new construction projects were undertaken this year in Division Seven. The Division Seven hydrographer assisted the Florida Conservancy District in the installation of a ramp flume and three new satellite monitoring gages on the Florida River.

Dam Safety Report / Brett Nordby

A new Dam Safety Engineer, Brett Nordby, was hired in March to fill the existing vacancy left open by Frank Kugel's promotion to Division 4. Dams were inspected according to the normal schedule, with follow-up visits made as necessary. However, several outlet inspections are behind due to the personnel change. A total of 56 out of 81 jurisdictional dams in the Division were inspected this year. Fifteen of 16 Class I dams, 19 of 20 Class II dams, and 14 of 45 Class III dams were inspected by the Dam Safety Engineer. Division 7 Water Commissioners completed 8 Dam Observation Reports for Class III dams.

A Legislative Audit previously performed recommended eliminating duplicating inspections performed by qualified state, federal, and private engineers. However, Mr. Nordby participated in nearly all of these inspections this year to increase his experience and knowledge of those structures. He attended inspections on McPhee Reservoir, Lemon, and Vallecito Reservoir dams, but was not able to attend or perform the inspections on Terminal (Class I) and Jackson Gulch (Class II) dams this year.

Construction inspections were conducted on 4 dams this year. These inspections included 2 jurisdictional dams, and 2 non-jurisdictional dams. The jurisdictional dam inspections included Gomez, and Harris and Boone #2 dams. Non-jurisdictional dam inspections were conducted on the Griggs and Barsanti dams. Construction on Gomez Reservoir was eventually accepted after understandings concerning an adjacent non-jurisdictional dam were worked out. Harris and Boone #2 was not accepted since final documentation has not been received, yet. Construction on the Griggs and Barsanti dams were finally accepted once work on the slopes and appurtenances were addressed.

Safety inspections were conducted on 2 poorly maintained livestock water tanks and 1 non-jurisdictional dam with possible sinkholes. Livestock tank inspections included Rainbow and Cutthroat dams located on the E.B. Dude Ranch, north of Mancos. A non-jurisdictional dam inspection was conducted on the Turkey Creek dam, east of Pagosa Springs.

Construction of a new large jurisdictional dam, Mountain View in Water District 29, was completed and inspected by Mark Haynes of the Dam Safety Branch this fall. This structure is located upstream of the Town of Pagosa Springs. Its completion was hampered by difficult foundation conditions that consist of sharply dipping Mancos shale. Joints and vertical faces in this formation were treated during construction.

The Extreme Precipitation Committee ongoing proceedings have affected the Dam Safety program. This committee is developing new standards for modeling extreme precipitation for elevations above 7,500 feet. Hydrology studies on existing Class I and II dam spillways are being postponed pending the outcome of this committee. The committee is expected to release its final results during the summer of 2001.

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

District 29, San Juan River & District 78 Upper Piedra & Upper San Juan / Val Valentine
On the eastern side of Division 7, it was the driest water year in my tenure.

The winter was dry, and unlike the previous irrigation season, monsoonal rains did not come. Thus the call period last 150 days on the Rito Blanco and 143 days on Fourmile Creek compared to just 14 days in the 1999 season.

In spite of a very short diversion season for most water users, Pagosa Area Water & Sanitation Districts was able to maintain their reservoirs at Pagosa Lakes at above normal levels. This was largely due to getting into the mountains early and operating the Dutton Collection Ditch in April instead of June, a first. This effort netted 144 acre-feet of transbasin water delivered to storage and the Dolese Ranch gained 35.3 acre-feet for early irrigation. The associated return flows also extended flows in the upper reach of Stollsteimer Creek for most of June.

In most dry years, Stollsteimer Creek and other small tributaries reach a point of, *"There's not enough water worth fighting over."* This year, the condition was not the case; time and effort were needed to educate first year users on the "Law of the River." In addition, issues regarding well use, a project

begun several years ago, made substantial progress with several previously illegal commercial wells being assisted into well permit compliance.

Perhaps, the best indicator of how dry it was in the upper reaches of the San Juan River and its tributaries was brought to light on August 9th when I measured the Rio Blanco at the Mouth near Trujillo, Colorado. 7.7 csf was flowing, perhaps an all-time low.

In November 1999, the Lower Blanco River Restoration Project was completed. Over one mile of river was restored. This was the result of a grass-root effort of local citizens, conservancy districts, state and federal government. In October 2000, the Project received a financial boost in obtaining a $250,000.00 grant. With matching funds, $400,000.00 is currently budgeted for further restoration beyond the original *demonstration project.*

District 30, Animas River / David Nelson

Lack of snow in District 30 caused a shortage of soil moisture very early in the year and the irrigation season started by mid-April this year. No snow remained in the lower elevations at the beginning of March. The last snow survey taken at the end of April showed less than 6" of water at the La Plata and Mancos locations. No summer rain of any consequence occurred until mid October and this made for a very difficult irrigation year. Augmentation releases were made for all augmentation plans this year. Additionally, owners of some ponds that did not have augmentation plans attached to them were required to purchase replacement water and submit substitute supply plans or were required to drain water from the ponds.

The first stream call of the year came January 5, 2000 on Little Cascade Creek. A call on Elbert Creek was received June 2, 2000 and Junction Creek followed on August 7, 2000. All these calls remained in effect to the end of the irrigation year. Elbert Creek had a split stream call for the first time in history this year. On June 2, Public Service Company of Colorado placed a call for water at their Power Canal (ID #612) water right for the first time ever. This affected all water rights on the upper end of Elbert Creek (above Cascade Reservoir) while the water rights below the calling point still had sufficient water. On June 7, the Conley Ditch (#1 Water right on Elbert Creek) placed a second call that then affected the entire stream system. The Conley Ditch call lasted until October 2, 2000 while the Power Canal call remained in effect through October 31,

2000. One of the reasons the split call happened is because Public Service Company of Colorado completed their required gauging station on Elbert Creek above Cascade Reservoir and finished the installation of satellite monitoring on both this new station and on the Cascade Canal gauging station.

Administrative and enforcement problems we especially numerous and difficult this year. These included investigating alleged driller violations, inspecting well construction, dealing with illegal water storage and even stopping the operation of an artificial (pumped) waterfall during the call period on Elbert Creek. Warning letters were sent to the residents of a large subdivision with household-use-only wells requiring the cessation of any and all outside uses of well water. An expansion of the Mineral Point Ditch across other people's property resulted in a complaint being filed with the governor's office and it appears this will remain a problem for some time to come. A significant number of the increased problems are being caused by new residents who have moved in from out of state during the population explosion Colorado is currently experiencing.

Steve Barrett returned to work in May. His help allowed me to keep up with a steady flow of well permits, customers, hydrographic measurements and office duties.

The spreadsheet for Johnson Reservoir and the Pine Ridge Ditch, that had been developed previously, was fine-tuned with considerable expertise from Bob Daniels. A significant amount of time was again spent on BLM Water Rights field inspections for multiple uses at spring sources with no diversion structures. As usual, dam safety inspections were performed on all dams in my district at the beginning of the irrigation season.

District 30, Florida River / Harold Baxstrom

On November 1, 2000, following a summer of unusually high rainfall Lemon Reservoir started the 2000 water year unusually full. It was drawn down to an early winter level under 31,000 acre feet. During the next four months this level was allowed to decrease another 200 acre feet. From March 1 to April 27 the fill level increased by 2700 acre feet. On April 27, when irrigation canals were started, the fill level was 33,723 acre feet. The maximum fill of 39,861 was reached

on June 1, 2000. Storage levels fluctuated for the next 4 days until the river was placed "on call" on June 6, about 1 month earlier than normal. The "call" period lasted for 117 days and dropped the stored water level from almost full down to 8,060 acre feet on October 1, when most irrigation stopped.

About 14.77 acre feet of water was released from ponds along the administered stretch of the river during the call period to repay the system for evaporation.

The irrigation district completed installation of a ramp flume in the river immediately downstream from the Florida Farmers Ditch headgate.

Extra water commissioner time was spent on abandonment related issues, getting well meters replaced or installed where needed and contacting well owners for meter readings or to inform users where wells were being overused.

Districts 31, 46, Pine River & Siembritas Arroyo/ Hal Pierce & Robert Daniels

The 2000 irrigation season in Water District 31 was one of the longest call periods on record (June 6, 2000 through October 9, 2000). Early snowpack conditions showed that the irrigation year would be a tight one. Due to late spring snowstorms, we were able to fill the reservoir.

The ditches were fairly judicious in the use of their water. The ditch companies were scrambling to determine how a limited water supply could best be used to enhance crop production. Using projection programs, which we had developed, ditch companies were warned of their potential shut-off dates and many took steps to conserve their reservoir supplies. Others went on and used them up and were shut down. Most of the ditches were able to utilize all available storage water that had been allocated to them. Side tributaries on the Pine were almost dry by late spring and remained that way throughout the year. Vallecito Reservoir went into the fall with about 33,350 acre feet remaining storage out of 125,000 acre feet total.

District 32, McElmo Creek / Marty Robbins

Water District 32 had a good year even though this year was a dry year. The McPhee Reservoir has made this water starved, desolate desert into a green, lush oasis. It is a place where agriculture can thrive even when having a dry year like 2000.

The farming community was not endangered by the drought as much as being endangered by non-agricultural minded people moving into the agricultural land we had. The growing population is developing our farmlands into subdivisions, roads and buildings, drying up our wastewater filings by sprinkler systems and, worse yet, eliminating irrigation totally to build new houses.

The areas rapid population growth has caused a significant increase of "Garden Hose" water filings, well permits and an enormous amount of impoundment structures. This has resulted in an increase of office man-hours and on site inspections that were required to maintain public assistance.

District 33, La Plata River / Matthew Schmitt & Wallace Patcheck

The year 2000, though a new century, was not a good year. We went into the winter with poor soil moisture. The winter storms were small and far in-between.

We went "on-call" the 20th of April from a Colorado ditch, Townsite Priority #60 and a New Mexico call occurred on the 25th of May. Nine days later, La Plata and Cherry Creek #10 was the junior structure. It was out of priority 12 days later on the 16th of June. The 1965 priorities were on only four days after April 20th.

Hydraulic connection was lost about July 6th in the river above the Hay Gulch confluence. Because of a pending meeting with New Mexico, the "futile call" decision wasn't made until July 11th.

Rain in the middle of August provided an opportunity to check and document the futile call at that stage in the river. A lot of insight was gained, especially in the upper reaches. The phreatophytes were categorized and studied to determine their effects on stream losses.

The drought and short water run caused a reduction in crop yields ranging from a third to a half of normal. Some ranchers and farmers with lower priorities produced no crops this year. Most producers felt lucky to get what they did from this year.

District 34, Mancos River / Glen Humiston

Water District 34 began the irrigation season with a less than average snow pack and forecasted runoff. Fortunately, due to a wet year in 1999 and an above average carry over, all reservoirs filled.

The first curtailment of water occurred on June 3, 2000, a month and three days earlier than in 1999. Thanks to those who had the foresight to build storage reservoirs. Due to the stored water, prudent use by water users and a little strategic manipulation of the available water, Water District 34 stayed relatively green and produced fair to average crops.

The most senior priority curtailed belonged in part to the Town of Mancos "1893-3". Without the stored water, the Town of Mancos and surrounding agricultural area would have been in serious trouble.

District 69, Disappointment Creek & District 71, Dolores River / Robert Becker

There were no stream calls or major problems in either water district despite the extreme drought conditions, which existed throughout the year. Two of the larger irrigators in Water District 69 worked together to avoid placing a call by supplementing their shortages with their reservoir storage releases.

Water District 71 avoided a call this year, as in previous years, due to the existence of McPhee Reservoir and the "Upstream Users Agreement".

Rapid growth and development continues to be a contributing factor, within both water districts, resulting in increased public assistance contacts involving questions related to notices of intent to impound, change of use and point of diversions, ditch owner rights and other sundry matters related to water.

In Water District 71, gravel pits both existing and proposed, have become a subject of major controversy this past year. It became increasingly more difficult to remain neutral and subjective in dealing with individuals representing both views as I did have regular contact with them regarding their personal water rights.

Other problems encountered this year involved three domestic wells that were being used for commercial purposes. One has been resolved through augmentation and I am continuing to work with another owner to bring his well into compliance. I was unsuccessful in direct contracts with the third owner and referred this situation to the Division Engineer.

District 77, Navajo River / Sherry Schutz

This year was not a real productive year for most water users in my area. Water ran real low on the Little Navajo River in the middle of June. Ranchers were unable to keep pastures irrigated to produce grass to allow cattle to be brought back into pastures to feed until shipping time. Cattle were shipped the first part of August, while they usually go out Mid October.

The San Juan-Chama Tunnel started diverting on the Big Navajo March 27 and shut off June 21. They diverted 19,450 AF. The Little Navajo Tunnel started diverting April 4th and shut down May 1st. They diverted 1,146 AF. The Blanco Tunnel started diverting March 15th and shut down, for the most part, July 2. They diverted 20,230 AF.

A call was put on Archuleta Creek, Martinez Ditch, June 21st. I discovered that two ponds had been built upstream without notice. We checked these out and wrote orders on them. But by that time the creek was too dry and water could never reach past structure heading.

We're hoping for better years from now on!

Work in Progress

Although securing good records from the tribes in the past has been successful, it has always been difficult to establish working relationships with the agencies given the task of providing the data required under the tribal settlement agreements decreed in W-1603 A-J. This year, turmoil in the Southern Ute tribal leadership resulted in a loss of our regular connections to secure field data. Commissioners, especially Hal Pierce and Robert Daniels, worked hard to reestablish the awareness of reporting responsibilities under the decrees. Over on the Ute Mountain Indian Reservation, a resignation by one of the field managers of the Ute Mountain Ute Tribe left the project of collecting data undelegated. All of the data sheets remained on his computer. Nevertheless, the commissioner, Glen Humiston, was able to acquire some of the diversion data by the end of the year.

Attention was directed to the Transbasin Diversions in San Juan County, Division 4. A major conflict developed when the owners of the Mineral Point Ditch cleaned, expanded and extended their ditch beyond the historic point of the diversion. The Carbon Lake Ditch also presented water quality problems as seepage water was infiltrating nearby mines and discharging heavy metal content to the Animas Drainage. Structure orders and enforcement, even without a call for water. will be necessary to prevent waste of water in these areas.

Activities of the Division Seven Office

2000 Abandonment List: The 2000 Abandonment List was submitted for publication July 1, 2000. Three hundred and thirty four water rights were on the list including some wells and alternate points. Over 85 protests had been received by the end of the year. Owners in many cases were taking action to redevelop and show use of a number of these water rights.

Tabulation: The 2000 Tabulation was also published this year. This included many new water rights including the Indian Settlement rights, the National Park Service rights and numerous BLM Springs. Forest Service claims are not yet adjudicated.

Satellite Monitoring: Problems with the Satellite Monitoring System led to much effort in adapting to using the information available. As a result, the information for stream flow was accessible through the Internet while the VAX system was being phased out. The visual format was appealing and user friendly. Many users were able to scrutinize the finer details of administration and question decisions made in the field, keeping administrators busy addressing questions.

U.S. Forest Service Reserved Rights: The reserved rights applications are pending from the 1976 filings. Claims remain to be developed by the applicant, USFS, for possible stream flow rights. Negotiations proceeded more productively with the technical team, which focused on conflict areas and discussions of Forest or Economic value considerations from either side. Trout Unlimited pushed to become involved and their appearance was admitted to the negotiations in the case. The Division 3 case was resolved after special consideration by top level administration in Washington, D.C. but specifics of that settlement could not be matched in Divisions 2 and 7. Litigation results were being watched carefully in other states while both sides were readjusting to political changes.

San Juan RIP: After an error was found in the model, water was freed up for the Navajo-Gallup Project. There were later errors found which then reduced the supply. Reliance on the model became a question. At the end of the year, new work was proposed to evaluate the model. The Colorado Model (CRDSS) was to be used in this study and competing developments in New Mexico and Arizona were seeking use of the remaining 130,000 (approx.) acre feet of consumptive use.

Navajo Reservoir operations were contested by users and downstream recreationists who are at odds with the flat water reservoir users. Work continued toward development of the SEIS to standardize use of operating criteria prepared under the 1992-1999 biological study. Potential federal funding to improve the habitat of the fishery to support the pikeminnow (squawfish) population was being sought. However, there was a major loss of the 100,000 embryos stocked in 1999. There was also a very poor survival rate for the 10,000 or more razorback suckers introduced during the past year.

The La Plata Water Conservancy District proceeded to investigate alternative development projects to support irrigation in the drainage. Preliminary studies by Wright Water Engineers proposed a Long Hollow Reservoir to be used for Compact deliveries by exchange. More work was planned on studying Groundwater supplies.

Dolores Water Conservancy District: The District continued the effort to develop WETPACK but was set back somewhat by the failed effort to obtain state GOCO funding for Plateau Creek Reservoir. A market was found for using water which the Montezuma Valley Irrigation Company could develop out of their existing allocation. More land was designated for irrigation and users in Utah were interested in project water including M & I water the District had purchased. Users on the lower Dolores also were proposing changes in rights, which will taken water out of the Dolores Basin into the McElmo Creek Drainage. The fish pool appeared to be in jeopardy of losing some of the water (Ute Mountain Indian lease water) dedicated to it, but efforts were being made to restore these amounts and add more to it. A replacement project from Totten Reservoir was filed but held up by the State objection pending decisions governing use of reservoir water.

Pilot Program for Minimum Stream Flows: Division Seven in conjunction with the State Engineer offered a proposal to assist the Colorado Water Conservation Board with monitoring and enforcement of the minimum flow decrees. No decisions regarding funding had been made at the end of the year.

County Planning: La Plata County took steps to address illegal lots that were created without review before 1980. Special procedures were developed and the lots could be grandfathered for approval if owners could provide evidence of legal water supplies being available.

Archuleta and Montezuma Counties were still adjusting to the increasing growth. Progress was made in improving communication with the State in evaluating new proposals in the outlying areas.

The Rio Blanco River Restoration work last year went through a season demonstrating that at least some habitat improvements were being made with the channelization. More efforts were being made to extend the work two or more miles further downstream. The San Juan Conservancy District was organizing money and support with help from Colorado Natural Resources agencies.

Pine River: The Domestic Water Supply Group continued planning for construction of the rural domestic supplies to serve areas of the county.

Florida Conservancy District: A ramp flume was installed on the Florida River below the Farmers Ditch after considerable difficulty in obtaining the right-of-ways. With this construction, three gaging stations were operational with the latest improvements in monitoring. A public meeting that was held in August with the reservoir manager and Commissioner Harold Baxstrom helped explain operations of the system.

Office Report

This year, with the new office location, customers were able to stop by in person and this may have reduced some of the calls regularly received. Commissioners often needed to contact the office for information or to report on situations in their administrative duties. A significant percentage of the business experienced in the office is due to the large number of individual wells serving full-time domestic residences, especially in rural La Plata County (page 51 & 52). The greatest turn over in real estate is in these areas. Significant resources in time have been required to serve the public or educate them to use the system.

The total number of contacts measured, consistent with past years practices, exceeded 28,000. This reinforces the broad increasing trend over the past several years. The turnover in residents is also believed to be at a high rate.

Due to the move in the fall to the new office space, several unplanned expenses occurred which threatened to exceed the operating budget. The Denver office gave some relief to the Division.

However, there remained some question whether that budget limit could be met with the further aggravation of a very poor water supply. Since the Division replaced 3 state vehicles, two were temporarily retained and used effectively to save money. The total budget came in at $1000 over (about 2%). The retained vehicles were turned in near the end of the summer. The office was beset with increasing vehicle cost rates after that time and the financial pressure shifted to the 2001 Fiscal Year.

Decentralization continued as the budget process was handled chiefly by the Program Assistant, Shari Titus. Credit card usage was allowed, for the first time, in operating purchases but special training was needed to implement the program.

Public Relations: The Division Office continued to reach out to community gatherings to provide educational interaction in promoting the concepts of water use in Colorado. Two children's water festivals were supported. Water Commissioner Dave Nelson developed a water court interactive skit which was well received by the children. Personnel spoke at real estate meetings, presented to schools and supported the three town meetings held by the Colorado Water Conservation Board. The second year of the Teachers Workshop was held at Fort Lewis with our participation and planning support. The Division Engineer also participated in the Durango High School Career Day. The local publications and newspapers used the office regularly to develop stories concerning water projects or supplies for the current year.

Although there is only one main legislative district and one senatorial district in Southern Colorado, representatives have recognized the value of water to the continued economy and growth of the area. The division water office has supplied a valuable resource to those who are active with legislative action both at the State and National levels. New involvement was being developed in the proposed drilling of about 1000 gas wells in La Plata County as residents became very concerned about impacts of this drilling on personal property including water rights or wells.

This office contributed to the WIP (Water Information Program) planning committee as it supports publication of water rights and usage brochures. A great number of brochures went out

to the public and the Press Clipping Summaries brought issues from surrounding communities to local residents and water representatives

Water Court: The office continued its close involvement in the Division Water Court system. The water judge, Gregory Lyman, continued pressing cases toward resolution. In most cases, the deadlines were achieved and parties came to terms that agreed with the Division Engineer recommendations. The water court also was working on the project to image the old pre-1969 water court files. Members of the division office supplied valuable assistance organizing these cases and incorporating the Division tabulation of rights into the process. Records should be linked by ID number to specific decrees when the project is completed.

A total of 82 decrees were issued and applications for 100 new water rights were made in 2000.

One year ago, the Geothermal case, 89CW19, appeared to be headed for litigation but early in 2000 a settlement was developed between the parties that was acceptable to the State. It allowed continued use of the Rumbaugh Well but abandoned a portion of it. No expansion beyond the permit at the city's wells was allowed, but the year-round use was recognized there. This resolution represented a milestone in closing the books on a twenty-year conflict, which had required extensive effort from this agency. While issues remain for future work, the status quo is now established with the acknowledgement, if not agreement, of the several parties.

The McElmo Creek filings have resulted in considerable conflict stemming from decrees for too much water being granted to ditches in case 1077. Transfers of this water are now opening the historic use up for scrutiny. This office is attempting to work with the Black Dike Ditch owners and Rock Creek Ditch users to determine the duty. In the Rock Creek case, it appears that an expansion of acreage without an enlargement of the ditch may be appropriate.

Transfer cases from ditch owners downstream of McPhee Reservoir presented an interesting evaluation and new conflicts over management of the fish pool. By taking the consumptive use through the diversion to District 32, a transbasin transfer removes the supply allocation previously held for the downstream users. This effectively reduces the 3900 acre feet pool

reserved for the downstream fishery. Two cases that proposed to do such a move were being held pending action to resolve the objections by the CWCB and the fish management team.

Several augmentation plans proposed on drainages feeding Cascade Reservoir (Electra lake) were proceeding slowly as attorneys form the State, Public Service Company of Colorado, Tamarron and various applicants tried to establish the legality of using the power water for these augmentations. By the end of the year, significant progress was being made in settling these cases.

North Texas Creek filings on the Pine River presented challenges in administration as spring flows with ponds were being filed on by a few large land holders there. Settlement meetings were held and some of the difficult issues sorted out. Much more water was being drained than was actually available.

Fish use by ponds on the Florida River was a concern. One case required a major effort toward reaching a settlement regarding conversion of irrigation water at the McGuigan Ranch to fish propagation and recreation. Other cases on the lower Florida were easier to deal with but needed significant time to work out the actual needs of the appropriations as well as the groundwater procedures required.

The BLM Spring filings in the Animas Drainage were still being addressed as the Division office recommended eliminating several filings as well as uses such as wetland irrigation through the subsoil drainage. Field inspections with officials from the BLM resulted in an amended application, which agreed with the mutual observations of the parties.

Bear Creek Ditch in District 30 owners finally came to terms and were able to operate under a redrafted decree from 1993.

Personnel Changes: The opening in the Dam Safety Branch remained vacant as 1999 closed and had to be re-announced early in the year. Three candidates were selected and interviewed. As a result, Brett Nordby was hired to fill the position as shared inspector between Divisions 3 &

7. His start was welcome because of the severe backlog in inspections that had developed. Division engineers picked up a few of the class 1 dams but others on the schedule in Division Seven did not receive the annual inspection.

No other vacancies were experienced but prospects of retirements coming up led to consideration of steps to take to plan the succession to new people. One person was promoted to Engineering Tech II before July 2000.

Training: Joint training was conducted as Division 7 hosted Division 3 for its Spring Meeting in Pagosa Springs. Messrs. Brett Nordby and Scott Brinton received Informational Services instruction. Many Dam Safety training sessions were required of Mr. Nordby as he was beginning the job. Mr. Bob Daniels offered in-house training as he spent individual sessions with several water commissioners in computer usage and spreadsheet programming.

Technical Equipment: Three new computers were purchased as new machines replaced older ones and several stations were upgraded as a result. The P-60 and older 486 machines were effectively eliminated from the regular use stations. GPS and mapping software were acquired for several field commissioners. One rangefinder and new avalanche beacons were secured for specialized uses. The division still lacks color-printing capabilities and has only one licensed GIS viewer software program. However, many of the staff were beginning to experiment with some of the shareware GIS programs that were available. Viruses were extremely plentiful during the year as several came in over the network through e-mail delivery. None of these were originated locally, however, and there was no damage to machines as Mr. Bruce Whitehead and Mr. Scott Brinton took steps to ensure updates of scanning software as well as maintenance of backups of the drives.

B. UPCOMING YEAR

Division Goals

Listed below are the Division goals compiled during the Supervisor Staff meeting:

Work on obtaining allocations for more man months for Division

Improve quality of any maps in need

Wells Database correction made

Well / ArcView Program

Buy new copy of ArcView

Computer Training for any employee in need (Basic and Advanced)

Improvement in Communication

Between Division office, Field Offices and Denver regarding Groundwater issues, policy and procedures.

Between Division office and Denver regarding all information/decisions needing to be passed along.

Check e-mail on a regular basis and respond in a timely manner

Address Public Concerns/Complaints effectively and timely

Look at current problems / issues in the various district and address and resolve them prior to next years deadlines (Totten, Paradox, Pine Ridge Ditch, H & H Ditch)

Continue work on Abandonment List

GPS Project

Coordinate data collection training

Dam Safety

Any problem area addressed

(Begin or) Continue Public Relations and Educational Meetings in each district

(i.e. "Town Meetings" type scenarios)

Following are a list of some of the issues facing the Division in the upcoming year:

Interstate, Interdivisional, Tribal Issues:

1. SJRIP It is becoming more apparent that the habitat available for the endangered species will not support them as conditions currently exist, nor does it appear that more water will help except for some channel maintenance benefits. However, there will be more work on the hydrology as researchers attempt to find if there is additional water available to appropriate without reducing the chance of meeting targeted channel maintenance flows. The question will remain as to what point or what extent the Fish and Wildlife Service will restrict further development in the San Juan River Basin.
2. San Juan Chama With reservoirs depleted in the Rio Grande side, the Silvery-Minnow conflict may reach a climax this year. There is some question whether the need for more water will be challenged if that use is for fish flows which ultimately credit to Elephant Butte Reservoir Storage. Will the Bureau of Reclamation seek to increase its firm yield of the project? The CWCB will continue working with the Division Engineer to find innovative ways to meet the minimum stream flows.
3. Transport of Water Proposals to use water out of the state or river basins will need to be monitored carefully. The (1) Animas-La Plata Alternative, (2) Dolores Wetpack, (3) Transmountain Diversions to Division 4, (4) Municipal or Game and Fish Interests in New Mexico have indicated current interest in taking action in these matters.

4. La Plata Compact Continued discussion will hopefully lead to mutual agreements in compact operations.
5. New Mexico Upper Basin Compact Development New proposals for development may lead to the

   Navajo-Gallup and other projects which would exceed the New Mexico entitlement. If New Mexico exceeds its allocation of use without actually consuming the water, there may be a need to establish records of use which can verify the development which actually occurs.
6. Lower Basin Issues Efforts to plan reductions in the California demand as well as buildout of the Arizona and Nevada compact entitlements may have future implications on uses in the San Juan-Dolores Basins. Also there is an environmental demand component as well as demands for more water in Mexico, which may affect this area.
7. Navajo Reservoir EIS Scheduled to be developed this year with input from entities in both states.

Intrastate Issues:

1. Forest Service Reserved Rights Serious consideration will need to be given to determine the impact of proposals to agree to certain water right claims by the USFS. This year there will be more involvement from outside user groups. Future water rights development between and upstream of the Forest Service points of quantification will be greatly impacted.
2. The Vallecito Rural Water Company will begin construction on the first phase of its project to bring domestic water to parts of the Florida Mesa.
3. Watershed Groups These groups, with the exception of the stakeholders at Silverton, are not progressing as quickly as might have been expected. The Animas River Stakeholders will finalize their report and recommendations in 2001.

   Water quality appears to be the focus of the Pine River Group.
4. Pond Construction This continues to present flow problems, groundwater issues and safety concerns. There is little accountability required of the owner or excavation contractor prior to construction. The sub-jurisdictional guidelines for construction written by the Division Engineer and Dam Safety Inspector have helped but will need further support. Litigation may need to be utilized to bring about consequences to the unauthorized pond construction.

5. Reservoir Storage and Use Policies will need to be issued and implemented concerning usage of reservoir water for expanded purposes that may or may not have been part of the original intent of the project.
6. Growth and Education Steps will need to be taken to address county planning issues and bring about conformity between the state water doctrine and the actions taken by many new and uninformed residents moving to the area. Use changes of wells are becoming a major concern because many people are resorting to home-based businesses or telecommuting/telemarketing vocations. Domestic wells are being extended far beyond the definitions allowed in many cases.
7. Information Access At issue may be to what extent computer information is supplied to the general public. More time and effort is needed each year to address public questions or scrutiny of decisions made based on data available. In some cases this can interfere with the ability of administrators to be timely and confident in their decisions. It keeps them busy defending actions when there are other needs for their time.
8. Water Quality Impacts The effects of regulating streams for quality designations by the Water Quality Control Commission will be of great interest to water groups and others in the division.
9. Changing Use Patterns The subdivision of the large tracts of land has led to or revealed a fundamental shift in interest by residents. There is increasing speculation and, since the traditional means of profit are not carried on, the effects of disuse of land are now beginning to be realized. The smaller tracts created will not be suitable for professional farming, but may be somewhat productive depending on the location. Wealthier landowners may actually do more work for improving the land. In other areas, the lack of strict controls will lead to multiple uses which will take some land out of production. There are only a few areas on the lower streams where there currently appears to be an opportunity for irrigation enlargement. So, while water will remain important, significant will be evaluated more in terms of effect on yield or the property value rather than the immediate impact to the livelihood of the senior rights holder. This adds complexity to the system and more resources or management of resources by the field offices.

Water Administration Impact

Following are issues, cases and statutes that we see as having had a significant impact on division operation in 2000. They continue to be active considerations.

A. San Juan Basin Recovery Implementing Program
B. Indian Water Rights Settlement of 1986
C. Animas-La Plata Project
D. Endangered Species Act
E. Clean Water Act
F. Groundwater Case Law
G. FLSA & Pay for Performance
H. Groundwater Regulations & Policies
I. Changing growth trends in the State
J. Colorado River Storage Act
K. La Plata River Compact
L. Animas-La Plata Compact
M. Thornton Case Decision of 1998
N. Year 2000 Abandonment List

Involvement with Water User Community

Groups and Agencies the division office was involved with were:

Dolores Watershed Group, DRIP
Pine River Watershed Group
Animas River Stakeholders
Southwestern Water Conservation District
Animas-La Plata River Conservancy District
La Plata River Conservancy District
Dolores Water Conservancy District
Mancos Water Conservancy District
San Juan RIP-Hydrology Committee and others
SJRIP Water Users Coalition

Pine River Irrigation District
Water Information Program – SWWCD
Rio Blanco Advisory Group
San Juan – Upper Animas Watershed Group
Teacher Water Workshop Committee
Florida Water Conservancy District
US Forest Service – Water Rights Negotiating team
San Juan Basin Council of Oil & Gas Studies

State Organizations:

Colorado Water Officials Association
DWR Employees Council
Leadership Council, DWR
Training Steering Committee
Long Range Planning Groups
CAPE

The dedicated employees of Division Seven have done a remarkable job in keeping up with the continued growth and increasing complexity of work that has been witnessed over the past twenty years. With help from the central office in Denver, as well as other divisions and water groups, Division 7 maintained a strong working relationship and effective performance of duties to keep up with the demand. The staff of Division Seven has gained respect from the public, the water conservancy districts and other users in accomplishing goals set before them and should be commended for this effort.

Respectfully submitted,

Kenneth A. Beegles
Division Engineer

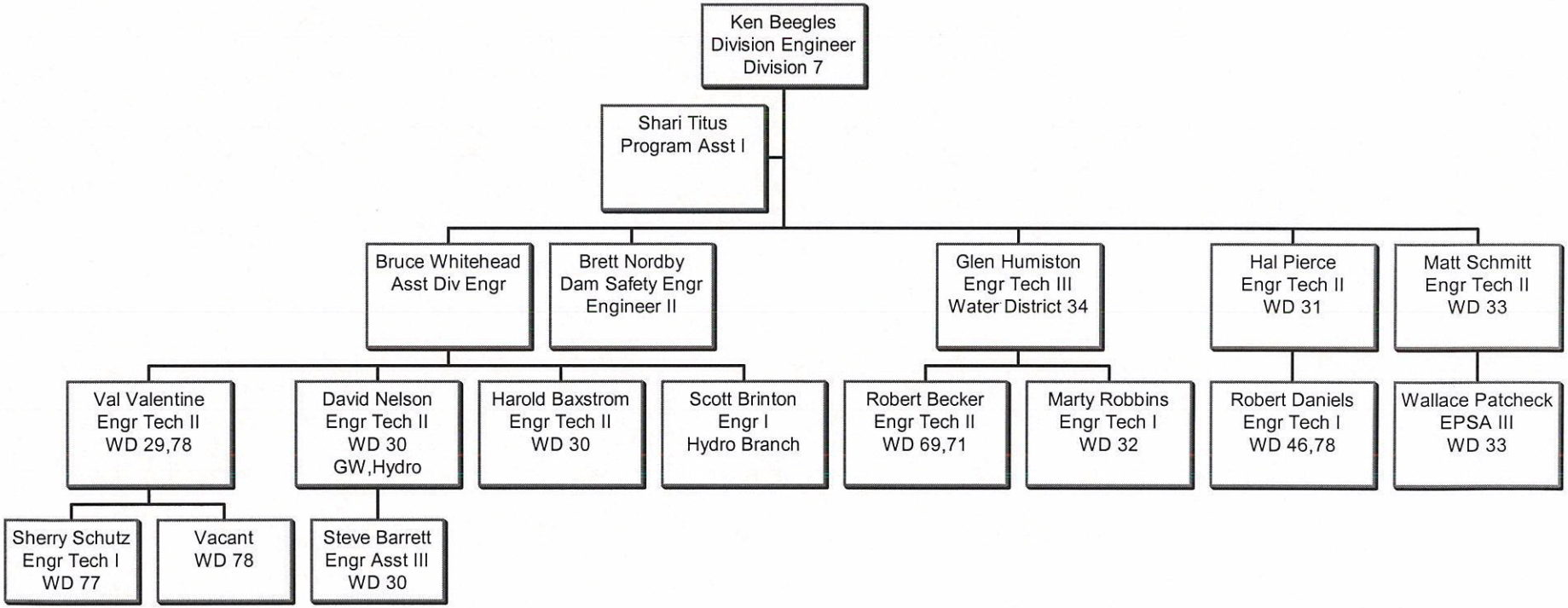
Durango Herald newspaper

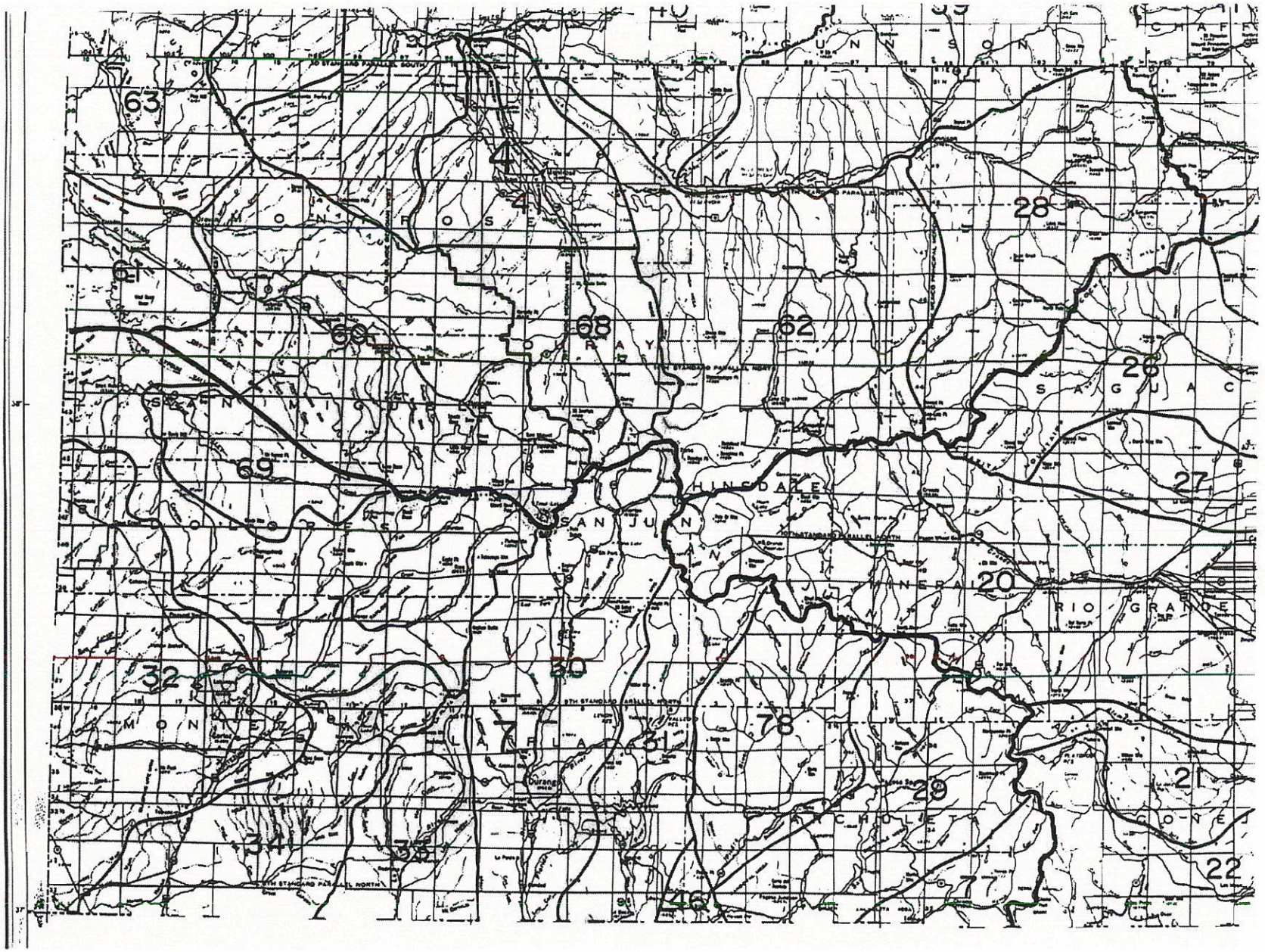
2000

Cortez Journal

February 2001

Division 7 Organization
January 2001

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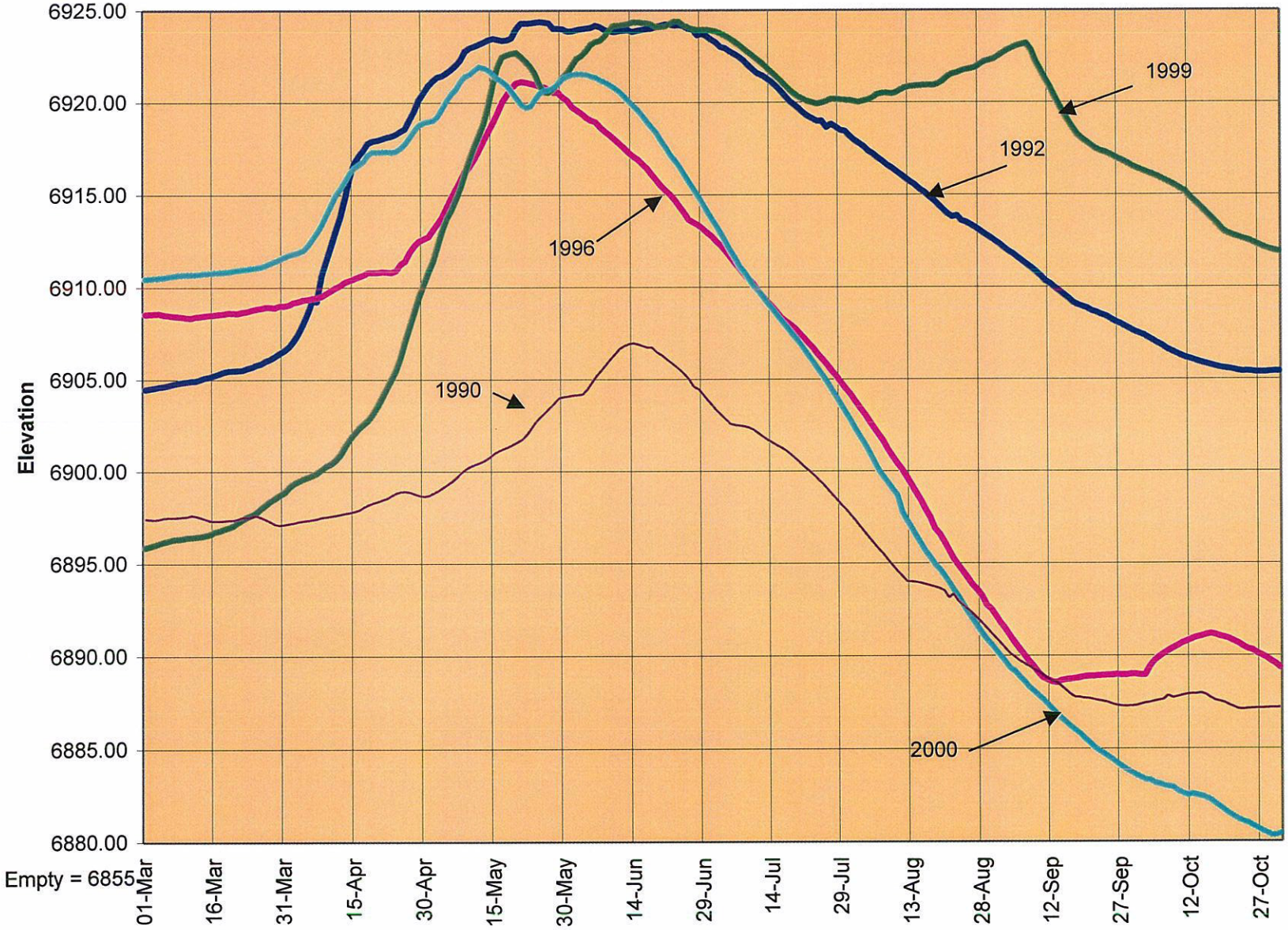
OURAY
HINSDALE
SAN JUAN
MINERAL
RIO GRANDE
SAGUACHE
MONTEZUMA
LA PLATA
CHAFFEE
CONEJOS
Durango

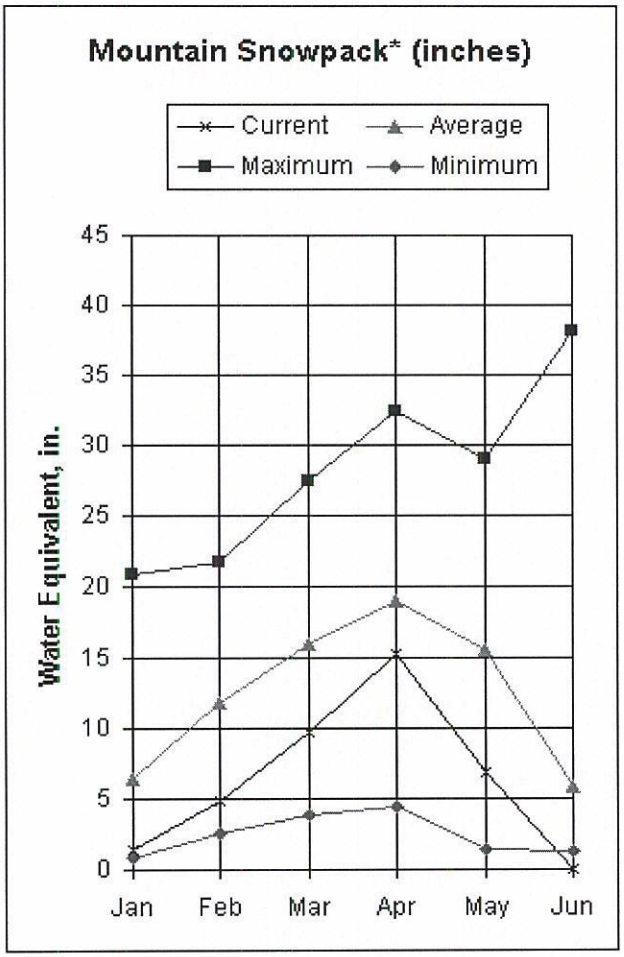
McPhee Elevations Comparison

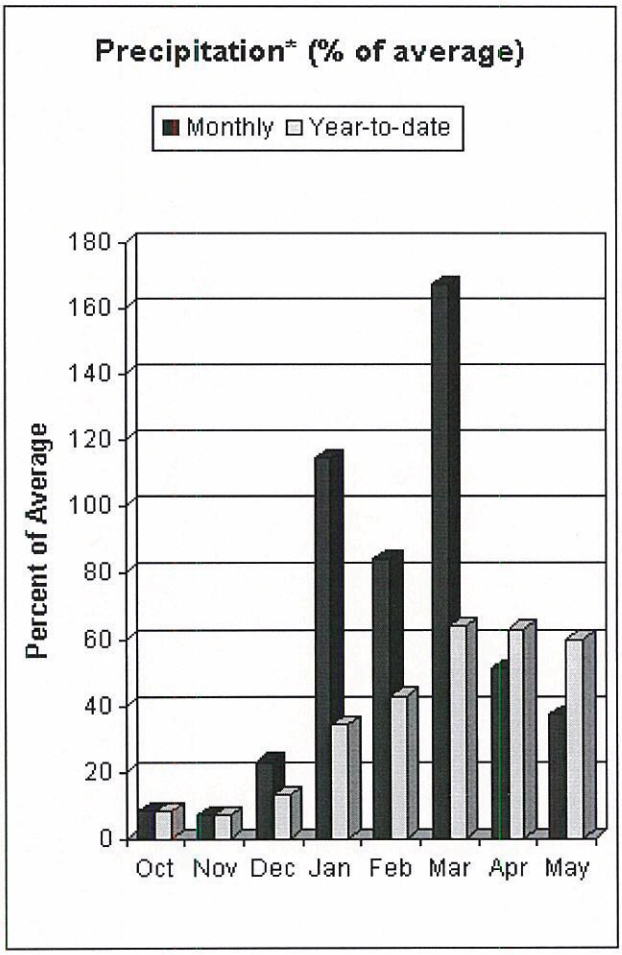


ftp://ftp.wcc.nrcs.usda.gov/support/water/basin_outlook/colorado/wy2000/co6s26.htm

San Miguel, Dolores, Animas, and San Juan River Basins as of June 1, 2000

Practically all of the snow in these basins is gone on June 1. Wolf Creek Summit is the only SNOTEL site with measurable snow, and that amount is extremely meager. The snowpack has melted out about 20 days earlier than normal at most of the snow measuring sites. Last year there was a little more than average snowpack amounts in the basin on June 1, thanks to the late spring storms that were not kind enough to show up this year. The lower elevations and valleys received only 37% of average precipitation during May, and the water year total is now only 60% of average. The combined reservoir storage level in these basins is at 109% of average for this time of year, which is nearly the same amount of storage as last year at this time. The streamflow forecasts are extremely variable throughout these basins. All of them are below average and range from only 41% of average on the Rio Blanco at Blanco Diversion, to 90% 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	118.2	32.8	70.1	26	20	921	RIO GRANDE RIVER
30	4660	CARBON LAKE DITCH	ANIMAS RIVER	317.0	91.5	111.6	62	68	692	UNCOMPAHGRE RIVER
30	4661	MINERAL POINT DITCH	ANIMAS RIVER	110.0	50.3	94.9	56	68	609	UNCOMPAHGRE RIVER
30	4662	RED MOUNTAIN DITCH	ANIMAS RIVER	60.4	60.6	0	0	68,41	604,549	UNCOMPAHGRE RIVER
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	491.2	64.6	202.7	21	20	919	RIO GRANDE RIVER
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	923.4	37.4	0	0	20	922	RIO GRANDE RIVER
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	358.9	72.6	230.2	79	20	923	RIO GRANDE RIVER
78	4670	DON LA FONT #1 (S RIVER PEAK)	PIEDRA RIVER	17.6	22.9	10	23	20	917	RIO GRANDE RIVER
78	4671	DON LA FONT #2 (PIEDRA PASS D.)	PIEDRA RIVER	150.4	62.1	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	3654	Echo Canyon Reservoir	Echo Creek	2,052.1	07/31/00	2,148.8	11/01/99	2,110.0
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.9	11/01/99	67.9	09/30/00	67.9
29	3682	Thomas Reservoir	San Juan R.	20.0	05/25/99	58.0	11/01/98	20.0
29	3782	Turkey Creek Ranch R #2	San Juan R.	0.0	04/15/00	65.0	05/08/00	15.0
29	3848	Mountain View Reservoir	Four Mile Creek	0.0	11/01/99	406.7	10/30/00	406.7
		Total of all < 50 AF		153.5		247.5		196.5
Total for District 29				2,293.5		2,993.9		2,816.1

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	11/01/99	131.0	10/31/00	131.0
30	3536	Cascade	Elbert Creek	10,591.0	04/09/00	22,886.0	07/01/00	22,552.0
30	3540	Haviland Lake	Elbert Creek	463.0	10/10/00	526.0	11/01/99	526.0
30	3546	Ice Lake	Elbert Creek	405.5	08/02/00	416.0	11/01/99	416.0
30	3547	Keeler Lake	Elbert Creek	456.0	10/10/00	488.0	11/01/99	488.0
30	3548	Lake of the Pines	Little Cascade Creek	114.0	11/01/99	114.0	10/31/00	114.0
30	3560	Turner Ponds	Animas River	84.0	11/01/99	84.0	10/31/00	84.0
30	3561	Turner Reservoir	Waterfall Creek	393.0	10/31/00	472.0	05/05/00	393.0
30	3576	Florida Canal and Res	Florida River	318.5	01/11/00	418.5	05/04/00	374.7
30	3581	Lemon Reservoir	Florida River	8,060.0	10/01/00	39,157.0	06/06/00	9,454.0
30	3622	Henderson Lake	Animas River	58.0	11/01/99	58.0	10/31/00	58.0
30	3625	Naegelin Lake	Junction Creek	240.0	10/12/00	300.0	05/05/00	240.0
30	3630	Twilight Lake	Purgatory Creek	60.0	11/01/99	60.0	10/31/00	60.0
30	3707	Johnson Reservoir	Coal Creek	740.0	10/31/00	996.0	05/12/00	740.0
30	3724	Johnson Lake #2	Wildcat Canyon	100.0	09/21/00	150.0	04/13/00	100.0
		Total of all < 50 AF		324.3		420.2		382.4
Total for District 30				22,538.3		66,676.7		36,113.1

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of
				AF	Date	AF	Date	Year
31	3518	Vallecito Reservoir	Pine River	27,846.3	10/10/00	123,782.4	06/05/00	33,348.6
31	3617	Wommer Reservoir	Little Bear Creek	183.5	10/09/00	208.5	11/01/99	208.5
31	3805	Gosney Gravel Pit	Pine River	78.8	10/31/00	192.1	11/01/99	78.8
		Total of all < 50 AF		0.0		0.0		0.0
Total for District 31				28,108.6		124,183.0		33,635.9

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	1,959.0	11/01/99	2,472.0	05/10/00	2,169.0
32	3602	Narraguinnep Reservoir	Transbasin Water	12,547.0	10/06/00	19,017.7	06/22/00	17,254.0
32	3603	A M Puett Reservoir	Transbasin Water	455.2	11/01/99	2,401.0	05/10/00	643.6
		Total of all < 50 AF		90.7		90.7		90.7
Total for District 32				15,051.9		23,981.4		20,157.3

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 Reservoi	Hay Gulch	0.0	09/01/00	1,204.0	04/04/00	0.0
33	3523	Taylor Reservoir	La Plata River	85.6	04/01/00	85.6	11/01/99	85.6
		Total of all < 50 AF		0.0		0.0		0.0
Total for District 33				85.6		1,289.6		85.6

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	9.5	10/31/00	357.0	04/27/00	9.5
34	3586	Bauer Reservoir No 2	Chicken Creek	705.9	10/03/00	1,532.9	04/23/00	705.9
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	2,560.0	10/06/00	10,023.0	06/01/00	2,560.0
34	3590	L A Bar Reservoir	Chicken Creek	26.8	08/02/00	73.3	05/09/00	26.8
34	3592	Sellers & McClane Res	Mud Creek	4.1	10/03/00	52.1	04/25/00	4.1
34	3594	Weber	Middle Fork Mancos R	154.0	11/01/99	458.9	05/09/00	219.8
		Total of all < 50 AF		39.5		43.6		43.6
Total for District 34				3,499.8		12,540.8		3,569.7

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	197.4	09/25/00	408.6	05/10/00	197.4
69	3530	Dunham Reservoir	Disappointment Creek	62.6	08/04/00	78.8	11/01/99	62.6
69	3532	Morrison Reservoir	Morrison Creek	62.5	09/25/00	100.2	11/01/99	62.5
		Total of all < 50 AF		26.3		50.6		26.3
Total for District 69				348.8		638.2		348.8

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	13.2	10/16/00	259.0	04/25/00	13.2
71	3607	Buck Pasture Reservoir	Beaver Creek	24.5	11/01/99	53.0	04/25/00	53.0
71	3610	Ethel Belmear Reservoir	Beaver Creek	87.3	11/01/99	87.3	10/31/00	87.3
71	3612	Groundhog Reservoir	Groundhog Creek	11,316.0	10/16/00	20,505.0	06/05/00	11,316.0
71	3613	Lost Canyon Lake	Lost Canyon	58.1	08/21/00	106.2	11/01/00	58.1
71	3614	McPhee Reservoir	Dolores River	217,465.0	10/31/00	369,798.0	05/31/00	217,465.0
71	3619	Summit Reservoir	Lost Canyon	414.0	10/16/00	4,151.0	05/15/00	414.0
		Total of all < 50 AF		10.7		16.2		10.7
Total for District 71				229,388.8		394,975.7		229,417.3

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	190.0	10/05/00	309.0	11/01/99	190.0
77	3696	Sappington Reservoir	Coyote Creek	171.0	10/05/00	236.0	11/01/99	171.0
		Total of all < 50 AF		15.4		15.4		15.4
Total for District 77				376.4		560.4		376.4

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	0.0	10/31/00	93.4	04/29/00	0.0
78	3626	G S Hatcher	Stollsteimer Creek	1,159.5	09/29/00	1,735.0	03/31/00	1,209.5
78	3629	Linn and Clark Reservoir	Dutton Creek	1,062.2	10/31/00	1,230.0	02/29/00	1,062.2
78	3633	Pargin Reservoir	Stollsteimer Creek	0.0	11/01/99	0.0	10/31/00	0.0
78	3636	Pinõn Lake	Dutton Creek	60.0	08/31/00	162.0	03/31/00	78.4
78	3642	Williams Creek Reservoir	Williams Creek	10,084.0	11/01/99	10,084.0	09/27/00	10,084.0
78	3644	Lake Forest	Dutton Creek	355.8	09/29/00	465.0	11/01/99	360.0
78	3645	Stevens Reservoir	Dutton Creek	410.0	10/31/00	635.0	11/01/99	410.0
78	3646	Town Center Lake	Dutton Creek	160.0	09/29/00	630.0	03/31/00	175.0
78	3650	Palisade Lake	Middle Fork Piedra R	50.0	11/01/99	50.0	10/16/00	50.0
		Total of all < 50 AF		85.9		151.0		85.9
Total for District 78				13,427.4		15,235.4		13,515.0

2000 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	310	9	200	6	0	3,040	62,014	54	30,057	10,403	2.89
30	917	33	439	0	0	11,513	270,549	25,850	162,590	31,207	5.21
31	299	24	190	5	0	11,040	470,245	64,902	209,440	47,981	4.37
32 *	388	6	177	12	0	3,791	383,797	12,616	290,015	72,735	3.99
33	157	33	74	2	0	5,155	24,895	240	19,263	10,690	1.80
34 **	416	5	46	5	0	2,169	47,423	6,164	34,150	10,712	3.19
46	48	7	8	0	0	847	5,771	0	3,563	927	3.84
69	29	0	12	0	0	207	4,704	148	4,302	1,199	3.59
71	141	0	78	1	0	4,520	381,744	67,711	15,251	2,067	7.38
77***	112	2	49	0	0	1,663	29,778	0	8,233	2,014	4.09
78	183	3	65	1	0	1,804	27,012	1,708	21,176	5,909	3.58
TOTAL	3,000	122	1,338	32	0	45,749	1,707,932	179,393	798,040	195,844	4.07

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, 309,673 A.F. of which 229,114 were for irrigation.

** Total Deliveries from Dolores River Basin, Dist. 71, 636 A.F. of which 372 were for irrigation.

*** Total Deliveries from Dist. 29, 104 A.F.

2000 WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
29***	70	3,315	1,062	752	0	0	3,997	86	1,432
30	207	0	5,520	1,351	532	472	12,801	321	13,461
31	203	0	988	148	4	0	466	77	145
32 *	0	0	5,905	1	38	0	0	7	601
33	0	370	1	8	10	0	0	33	3,650
34	0	0	1,157	2	0	0	921	20	4,588
46	0	0	0	0	0	144	0	0	31
69	0	0	0	0	0	0	0	0	0
71 **	249,135	0	430	1	7	3	6,505	10	127
77	0	0	0	0	0	0	513	51	45
78	240	0	1,290	37	1	0	921	36	632
TOTAL	249,855	3,685	16,353	2,300	592	619	26,124	641	24,712

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

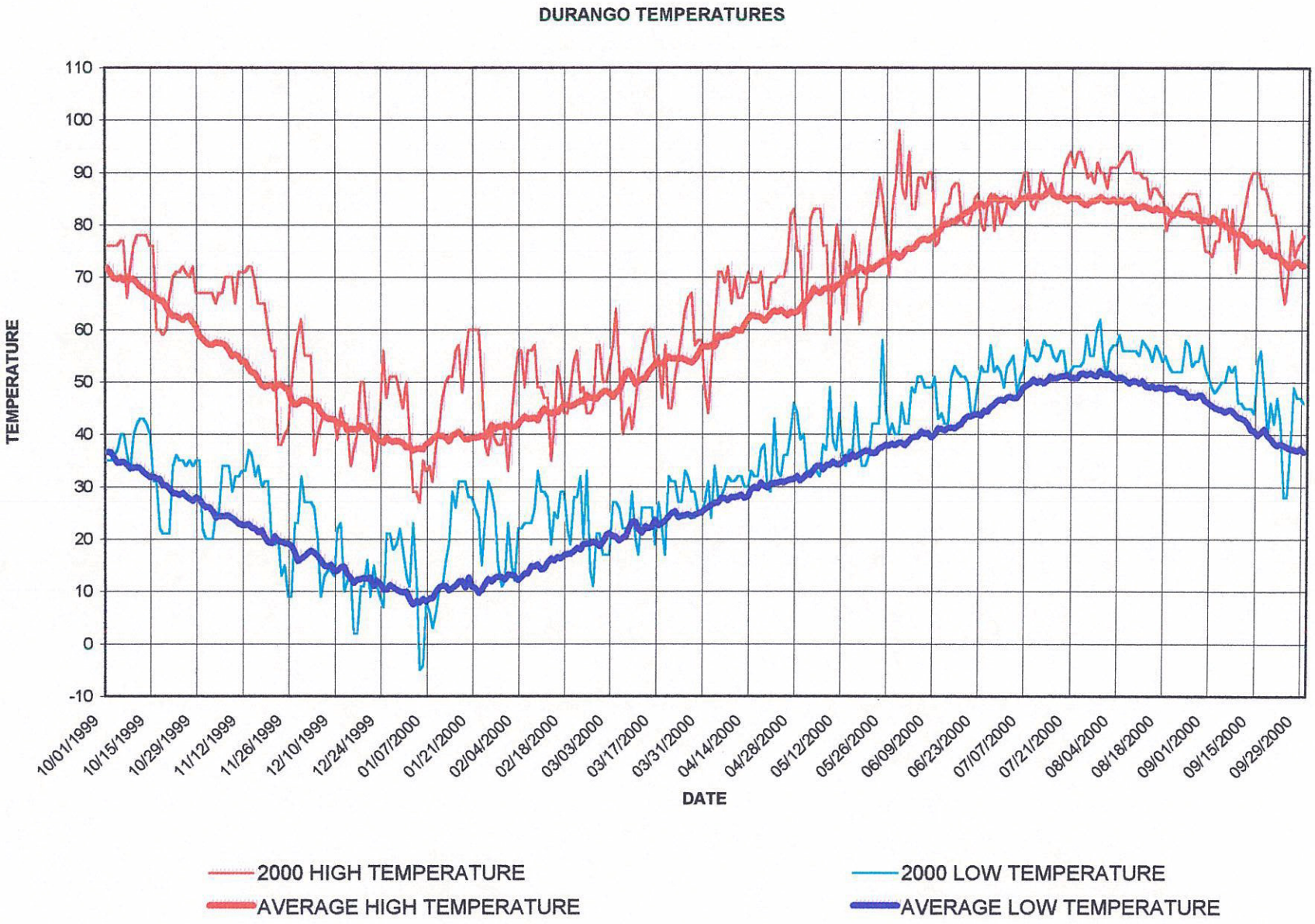
** Transbasin outflow in Dist. 71 diverted to Dist. 32 and Dist. 34.

*** Transbasin outflow in Dist 29 includes 104 af to Dist. 77. Remainder is Trans Sub-basin diversion in Snowball Ditch System.

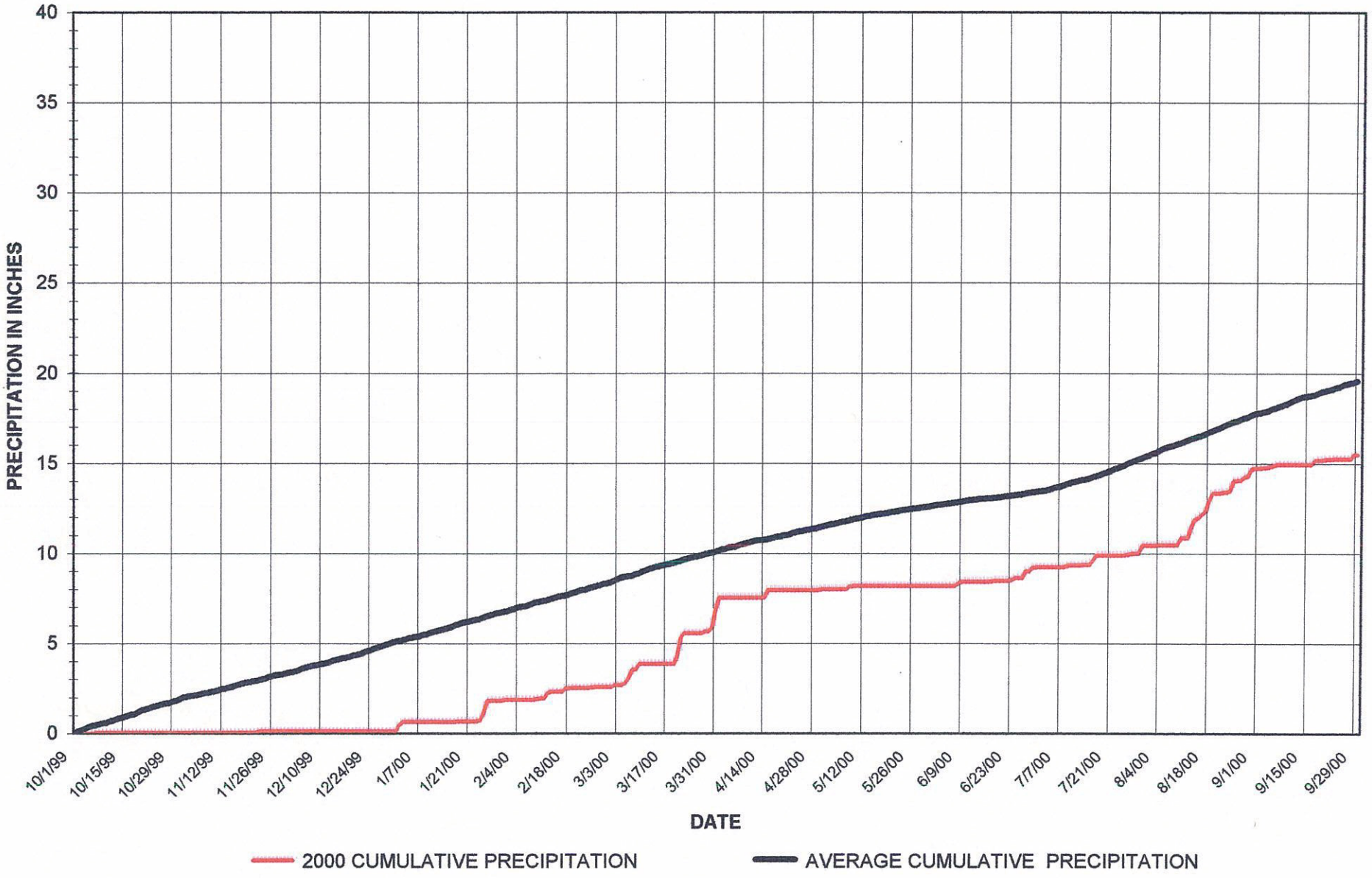
2000 WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

WD	AUGMENTATION	EVAPORATION	GEOTHERMAL *	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
29	13	0	0	0	0	0	0	0	0
30	199	723	0	165	0	32,685	0	15	0
31	254	4,136	0	0	0	189,704	0	0	0
32	3	112	0	0	0	61,606	0	0	0
33	1	0	0	0	0	0	0	1	96
34	0	0	0	0	0	11,100	0	30	0
46	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0
71	235	278	0	0	0	39,717	0	0	0
77	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0
TOTAL	705	5,249	0	165	0	334,812	0	46	96

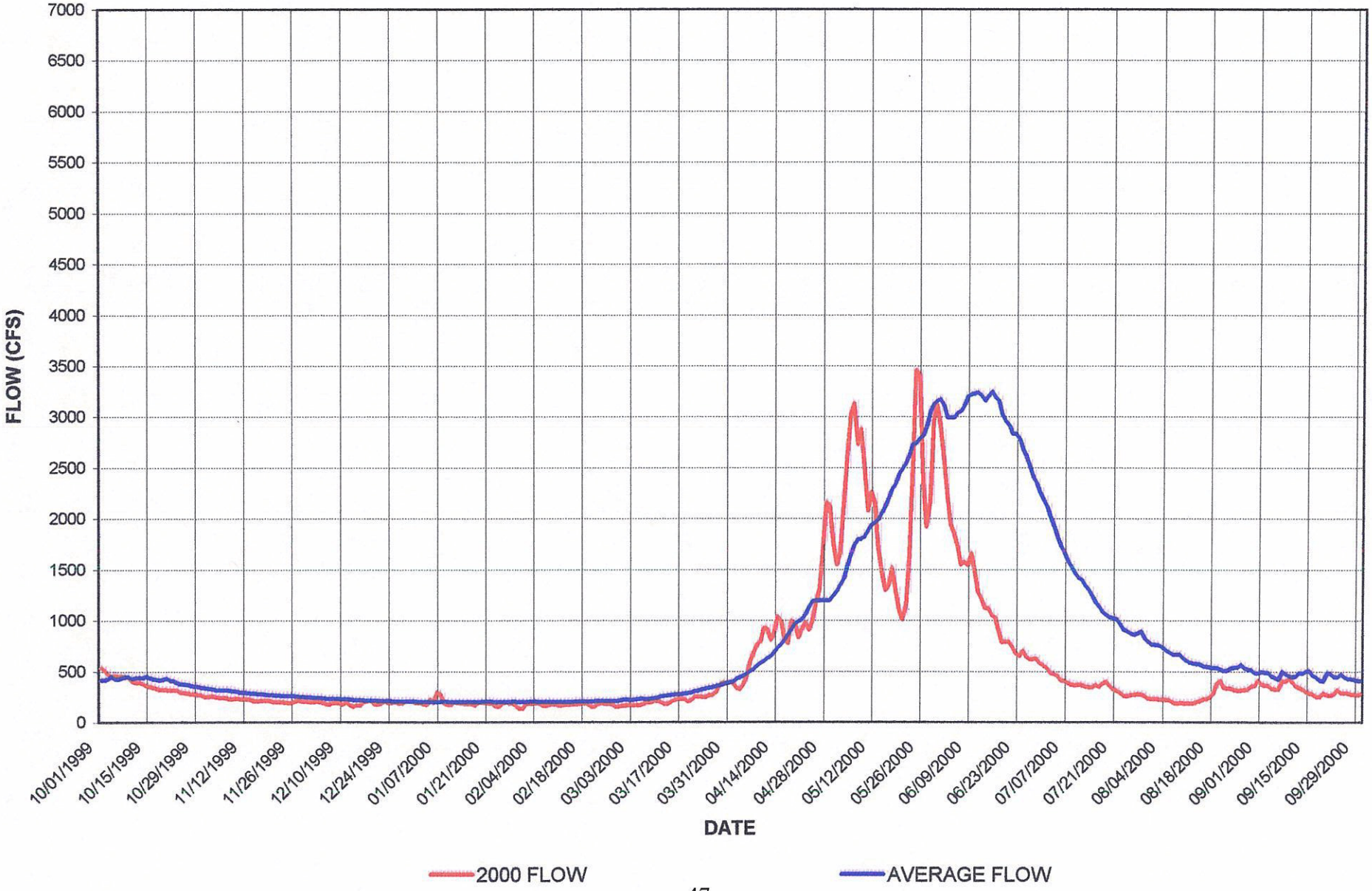
* Geothermal water included in Commercial, Municipal, and Recreation categories.


DURANGO TEMPERATURES
TEMPERATURE
110
100
90
80
70
60
50
40
30
20
10
0
-10
10/01/1999
10/15/1999
10/29/1999
11/12/1999
11/26/1999
12/10/1999
12/24/1999
01/07/2000
01/21/2000
02/04/2000
02/18/2000
03/03/2000
03/17/2000
03/31/2000
04/14/2000
04/28/2000
05/12/2000
05/26/2000
06/09/2000
06/23/2000
07/07/2000
07/21/2000
08/04/2000
08/18/2000
09/01/2000
09/15/2000
09/29/2000
DATE
2000 HIGH TEMPERATURE
AVERAGE HIGH TEMPERATURE
2000 LOW TEMPERATURE
AVERAGE LOW TEMPERATURE

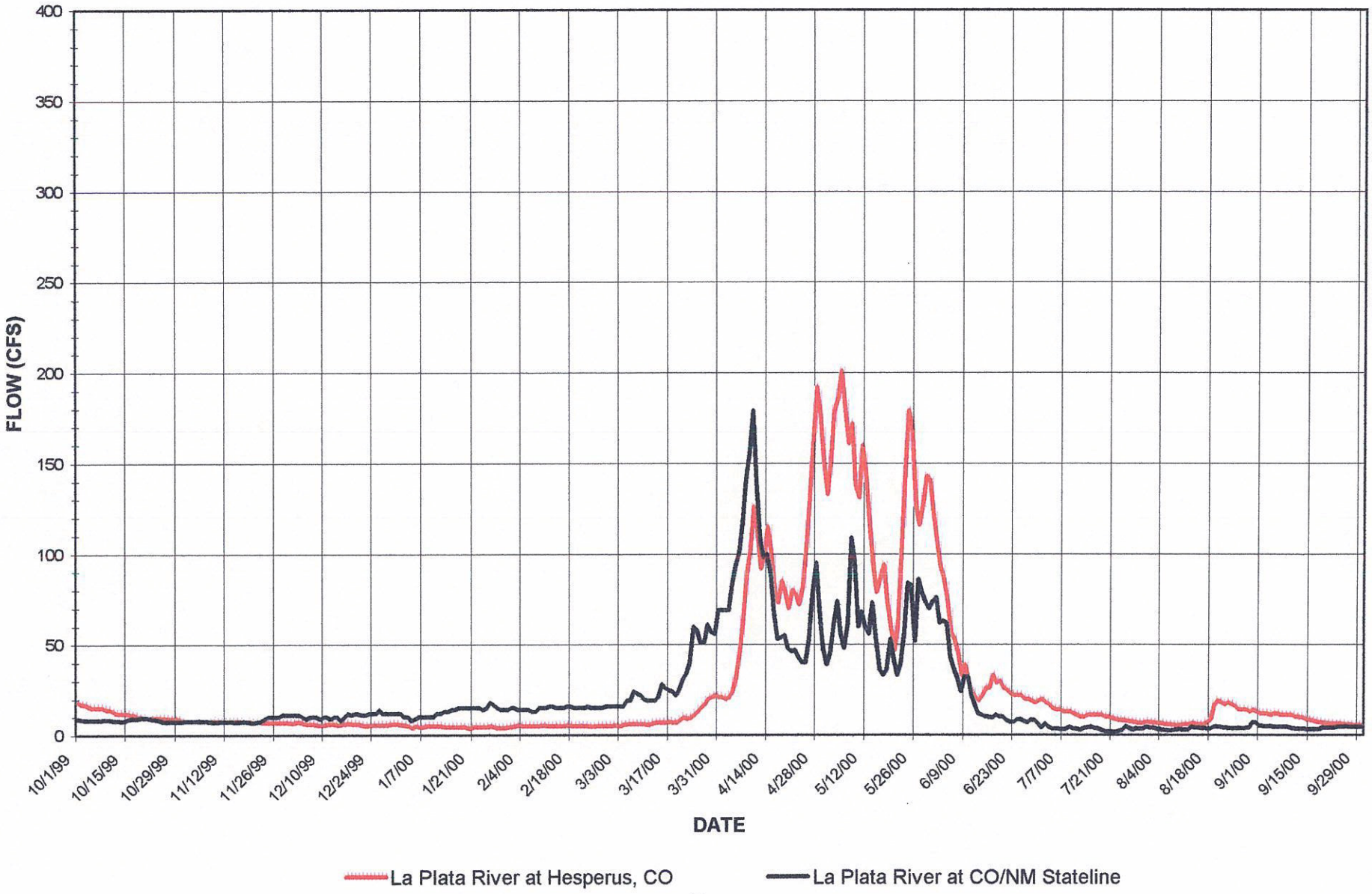
DURANGO CUMULATIVE PRECIPITATION



ANIMAS RIVER AT DURANGO, CO



LA PLATA RIVER COMPACT



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

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	365	0.0	0.0	0.0	365.0	668	0.0	0.0	668.0	---
JANUARY	283	0.0	20.2	0.0	303.2	799	0.0	0.0	799.0	---
FEBRUARY	292	0.0	0.0	0.0	292.0	861	0.0	0.0	861.0	---
MARCH	588	0.0	19.8	0.0	607.8	1960	0.0	0.0	1960.0	---
APRIL	5320	50.8	170.0	0.0	5540.8	4850	0.0	0.0	4850.0	---
MAY	7980	875	269.0	18.2	9142.2	3750	151.5	192.8	4094.3	3865.2
JUNE	2150	797	0.1	0.0	2947.1	1310	143.6	155.5	1609.1	1602.2
JULY	676	0.0	0.0	0.0	676.0	216	0.0	68.8	284.8	345.9
AUGUST	629	0.0	0.0	0.0	629.0	237	0.0	2.0	239.0	306.5
SEPTEMBER	511	0.0	0.0	0.0	511.0	252	0.0	0.0	252.0	268.1
OCTOBER	520	0.0	0.0	0.0	520.0	333	3.8	2.0	338.8	253.8
NOVEMBER	604	36.7	0.0	0.0	640.7	332	0.0	89.3	421.3	325.0
TOTALS *	12081.0	1681.1	238.8	18.2	14000.9	6099.9	284.6	496.1	6880.7	6641.7

On May 3, 2000 New Mexico requested 65 CFS

On May 5, 2000 New Mexico requested 80 CFS

On May 25, 2000 New Mexico requested 90 CFS

Nielson Construction diverted 9.2 acre-feet above the Hesperus gage May 9 to Oct. 18, 2000 via an approved substitute supply plan.

On July 11th, Colorado determined that no water could be delivered from the upper reach.

On July 20th, Hay Gulch was determined to be futile, Split river administration.

Aug. 19 - 22, Ran flow through dry reach for test.

* TOTALS ARE FOR PERIOD OF COMPACT CALL.

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	25,190	1,340	24,980	51,510	59,980		-16.4%
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			
AVG.	39,894	4,255	46,378	90,527	93,806	874,535	-3.6%

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

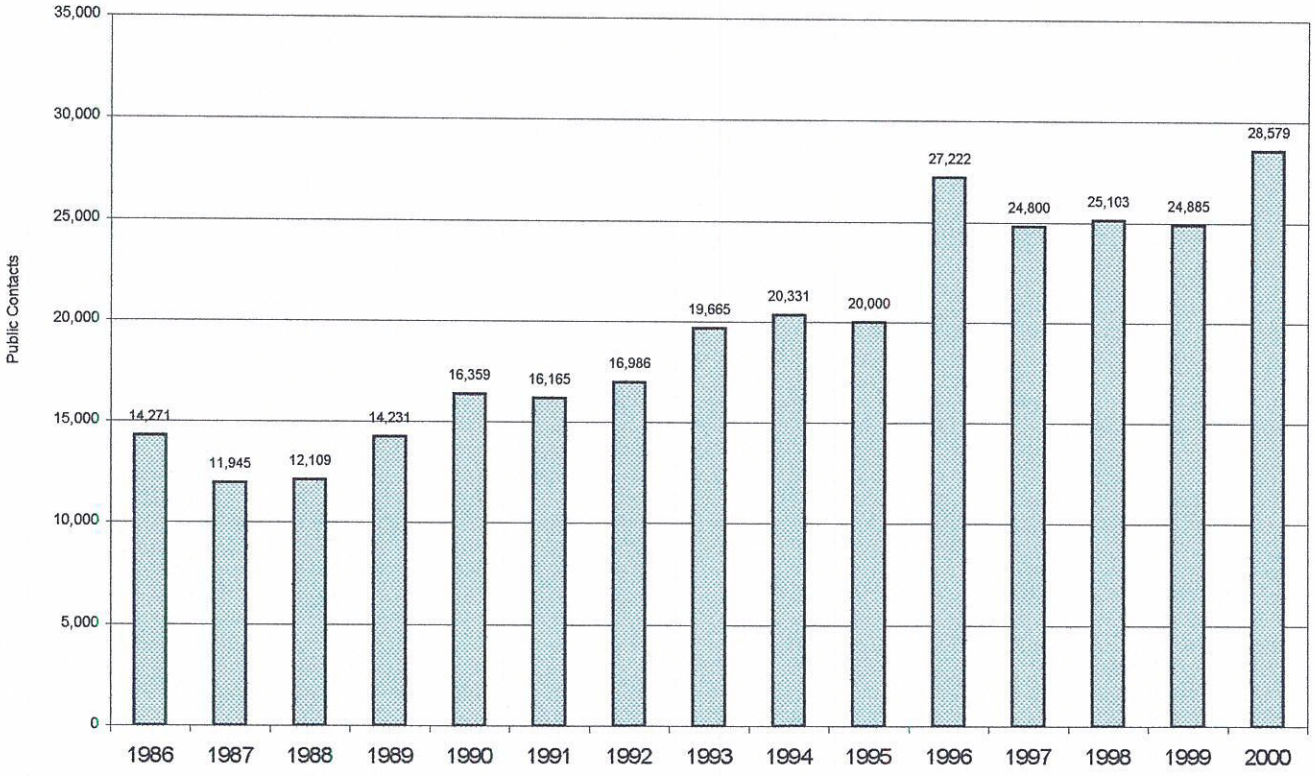
WATER DIVISION SEVEN

ACTIVITY SUMMARY

FISCAL YEAR 2000

ACTIVITY	TOTAL
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	15.16
NUMBER OF DECREED SURFACE RIGHTS (FOR THE CURRENT YEAR)	61
NUMBER OF SURFACE RIGHTS ADMINISTERED	25,225
NUMBER OF WELLS ADMINISTERED	1,004
NUMBER OF DAMS & PONDS VISITED	1,048
NUMBER OF PLANS FOR AUGMENTATION (FOR THE CURRENT YEAR)	1
NUMBER OF CONSULTATIONS WITH REFEREE	97
NUMBER OF WATER COURT APPEARANCES	26
NUMBER OF MEETINGS WITH WATER USERS	112
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	88
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	28,579

DIVISION 7 PUBLIC CONTACTS



Annual Number of Public Contacts

1986	14,271
1987	11,945
1988	12,109
1989	14,231
1990	16,359
1991	16,165
1992	16,986
1993	19,665
1994	20,331
1995	20,000
1996	27,222
1997	24,800
1998	25,103
1999	24,885
2000	28,579

WATER COURT ACTIVITIES
CALENDAR YEAR 2000

NUMBER OF APPLICATIONS FOR DECREES	100
NUMBER OF CONSULTATIONS WITH REFEREE	97
NUMBER OF DECREES ISSUED BY WATER COURT	82

TYPE OF DECREE:

SURFACE WATER	61
GROUND WATER	1
RESERVOIRS	3
TRANSFER	0
ALTERNATE POINT	2
CHANGE IN USE	6
PLANS FOR AUGMENTATION	1
IN-STREAM FLOW	0
OTHER	12

NUMBER OF STRUCTURES IN DECREES:

TYPE OF STRUCTURES:

DITCHES	27
RESERVOIRS, PONDS	16
WELLS	4
SPRINGS	20
OTHER (PIPELINES, PUMPS, ETC.)	39

TOTAL STRUCTURES: 106

OFFICE ADMINISTRATION FY 2000

NAME	POSITION	FY MONTHS BUDGETED	FY MONTHS WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engineer	12	12	2,308
Bruce T. Whitehead	Asst. Div. Engineer	12	12	1,833
Scott D. Brinton	Hydrographer	12	12	12,730
Brett Nordby	Dam Safety Engineer	12	10*	12,636
Shari Titus	Program Asst. I	12	12	0

*2 Months of Vacancy Savings

FULL-TIME EMPLOYEES IN THE FIELD

NAME	POSITION	DISTRICT			
Harold Baxstrom	Eng Tech II	30/Florida	12	12	10,632
Robert Becker	Eng Tech II	69, 71	12	12	10,365
Glen Humiston	Eng Tech III	32,34,69,71	12	12	13,921
Matthew Schmitt	Eng Tech II	33	12	12	8,586
David Nelson	Eng Tech II	30/Animas	12	12	4,022
Hal Pierce	Eng Tech II	31, 46	12	12	16,583
John (Val) Valentine	Eng Tech II	29,77,78	12	12	13,534

PERMANENT PART-TIME EMPLOYEES IN THE FIELD

Robert Daniels	Eng Tech I	31,46	9.5	11*	11,719
Marty Robbins	Eng Tech I	32	9	10*	10,095
Wallace Patcheck	EPS Asst. III	33	4	4	4,779
Sherry Schutz	Eng Tech I	77	7.5	8.5*	13,531
John Taylor	Eng Tech I	78	5	5	6,743
Steven Barrett	EPS Asst. III	30/Animas	3	5.5*	1,533

SPECIAL NOTES:

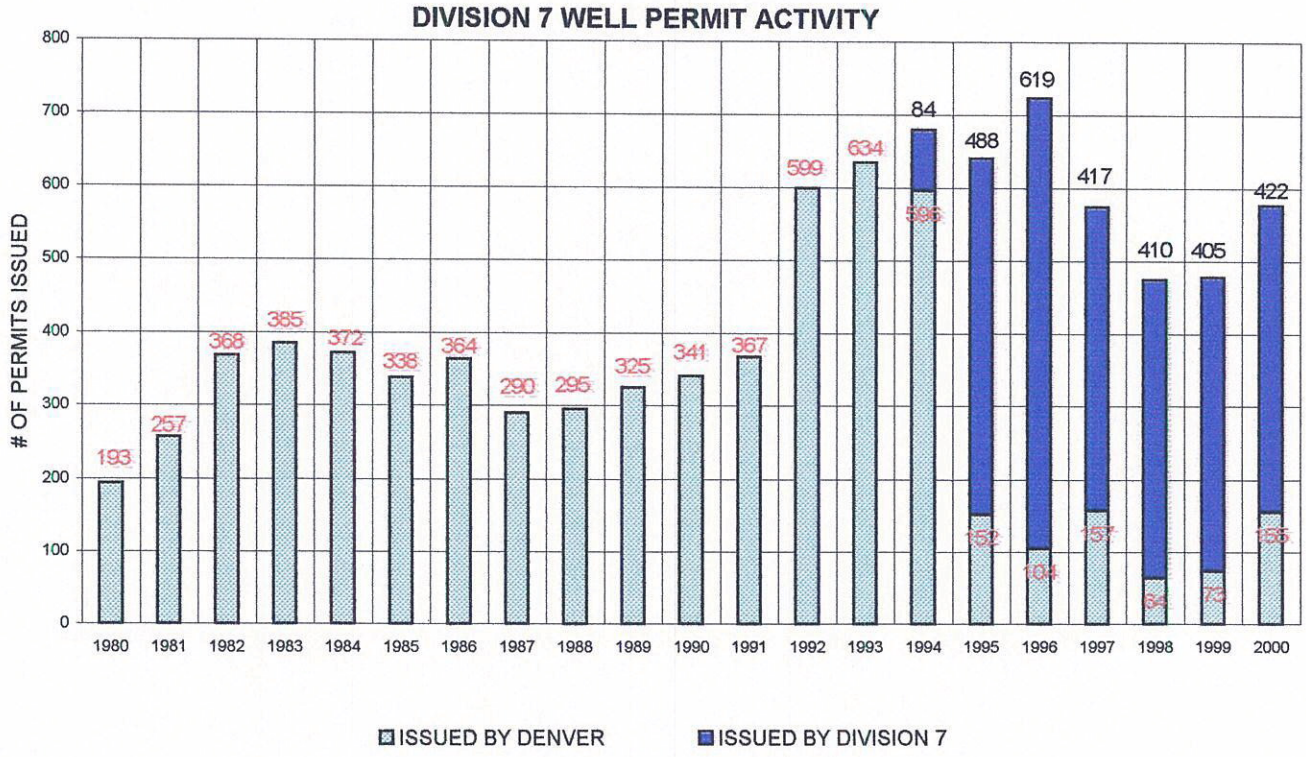
#1 1 Month of Robert Daniel's Budgeted time came from Groundwater Decentalization
3 Months of Steven Barrett's Budgeted time came from Groundwater Decentralization

#2 Worked time includes: 3 Months Hydro Time, 2 Months from Vacancy Savings,
1 Month Overtime Converted

TOTAL MAN-MONTHS:	182	186	
TOTAL FTE:	15.16	15.50	
TOTAL MILES DRIVEN:			155,550

DIVISION 7
2000 RIVER CALLS

WD	RIVER	INITIAL CALLING STRUCTURE	PRIORITY No.	DATE ON CALL	MOST SENIOR CURTAILED STRUCTURE	PRIORITY No.	DATE OFF CALL	DAYS
29	FOUR MILE CREEK	Mesa Ditch	3	06/05/00	Fourmile Ditch	2	10/16/00	133
29	RITO BLANCO	M. O. Brown Ditch	4	05/19/00	Echo Ditch	1	10/16/00	150
30	FLORIDA RIVER	Florida Farmers Ditch	F-17	06/06/00	Florida Farmers Ditch	F-17	10/01/00	117
30	ELBERT CREEK (Upper)	Power Canal No 1	65-9A	06/02/00	Power Canal No1	65-9A	10/31/00	152
30	ELBERT CREEK (Lower)	Conley Ditch	E-1	06/07/00	Fish Ditch	E-5	10/24/00	138
30	JUNCTION CREEK	Animas City Ditch	J-2	08/07/00	Animas City Ditch	J-2	10/31/00	85
30	LITTLE CASCADE CREEK	Little Cascade Creek Canal	65-9	01/05/00	Little Cascade Creek Canal	65-9	10/31/00	300
31	PINE RIVER	Schroder Irrigation Ditch	90-30	06/06/00	Dr. Morrison Ditch,Spring Creek Ditch, Ceanaboo Ditch	P-1	10/09/00	126
33	LA PLATA RIVER (Hesperus to Stateline)	Joseph Freed Ditch	65	04/20/00	Hay Gulch Ditch	5	07/21/00	82
33	LA PLATA RIVER (Hesperus to Hay Gulch Confluence)	Old Indian Ditch	36	07/11/00	Old Indian Ditch	36	07/21/00	11
33	LA PLATA RIVER (Hay Gulch Confluence to Stateline)	Seep Ditch	27	07/11/00	Seep Ditch	27	07/21/00	11
33	LA PLATA RIVER (Hesperus to Hay Gulch Confluence)	Hay Gulch Ditch	8	07/21/00	Hay Gulch Ditch	5	10/31/00	102
33	LA PLATA RIVER (Hay Gulch Confluence to Cherry Creek)	Old Indian Ditch	36	07/21/00	Old Indian Ditch	36	10/31/00	102
33	LA PLATA RIVER (Cherry Creek to Stateline)	Sooner Valley Ditch	41	07/21/00	Sooner Valley Ditch	41	10/31/00	102
34	MANCOS RIVER (Entire River)	Boss Ditch	M-41	06/03/00	Boss Ditch, Henry Bolen Ditch	M-7	07/14/00	41
34	MANCOS RIVER (Headwaters to Willis Ditch)	Lee & Burke Ditch,Smith Ditch	M-4	07/14/00	Smith Ditch,Town of Mancos Ditch, Willis Ditch	M-3	10/31/00	109
34	MANCOS RIVER (Willis Ditch to Henry Bolen Ditch)	No. 6 Ditch	M-5	07/14/00	Henry Bolen Ditch,Sheek Ditch,No. 6 D	M-6	09/26/00	73
77	ARCHULETA CREEK	Martinez Ditch	68-162	06/21/00	Undecreed Structure	N/A	10/31/00	133



SUMMARY OF WELL PERMITS ISSUED FOR DIVISION 7
1980 - 2000

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

2000 IRRIGATION YEAR SUMMARY
DISTRICT 29

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	28,054
STORAGE	54
STOCKWATER	1,432
MUNICIPAL	1,062
DOMESTIC	86
INDUSTRIAL	0
RECREATION	0
FISH	3,997
OTHER:COMMERCIAL,AUGMENTATION	752
TRANSMOUNTAIN-TRANSBASIN	3,346
INTERSTATE	20,230
TOTAL DIVERSIONS.....	59,013
DELIVERIES FROM STORAGE	
IRRIGATION	0
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	39
OTHER:AUGMENTATION,ETC.	13
TOTAL DIVERSIONS.....	52
DELIVERIES FROM TRANS SUB-BASIN	
IRRIGATION	2,003
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	2,003
DUTY OF WATER:	
TOTAL TO IRRIGATION	30,057
ACRES IRRIGATED	10,403
ACRE-FEET DIVERTED PER ACRE	2.89
NUMBER OF STRUCTURES OBSERVED	552
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
ACTIVE DIVERSIONS-DAILY	182
-INFREQUENT STRUCTURES	151
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	10
-NOT USED (A,C,D, CODES)	200
-NO INFORMATION AVAILABLE (F CODE)	5
NUMBER OF DITCHES, SURFACE RIGHTS	353
NUMBER OF RESERVOIRS	98
NUMBER OF WELLS	79
NUMBER OF OBSERVATIONS	3,040

2000 IRRIGATION YEAR SUMMARY
DISTRICT 30

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	130,307
STORAGE	25,652
STOCKWATER	12,540
MUNICIPAL	5,520
DOMESTIC	320
INDUSTRIAL,POWER	20,713
RECREATION	472
FISH	12,801
OTHER:COMMERCIAL,RECHARGE,AUGMENTATION,etc..	1,026
SNOWMAKING	39
TRANSMOUNTAIN-TRANSBASIN	207
INTERSTATE	7,241
TOTAL DIVERSIONS.....	216,838
DELIVERIES FROM STORAGE	
IRRIGATION	32,078
DOMESTIC	1
MUNICIPAL	0
STOCK	889
INDUSTRIAL	12,054
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,RECHARGE,EVAP,AUGMENTATION	1,216
SNOWMAKING	126
TOTAL DIVERSIONS.....	46,364
DELIVERIES FROM TRANSBASIN	
IRRIGATION	176
STORAGE	158
MUNICIPAL	0
STOCK	32
OTHER:COMMERCIAL,etc.	46
TOTAL FROM TRANSBASIN.....	412
DUTY OF WATER:	
TOTAL TO IRRIGATION	162,561
ACRES IRRIGATED	31,207
ACRE-FEET DIVERTED PER ACRE	5.21
NUMBER OF STRUCTURES OBSERVED	1,401
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	278
-INFREQUENT STRUCTURES*	648
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	35
-NOT USED (A,C,D, CODES)	439
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES	777
NUMBER OF RESERVOIRS	181
NUMBER OF WELLS	468
NUMBER OF OBSERVATIONS	11,513

2000 IRRIGATION YEAR SUMMARY
DISTRICT 31

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	117,491
STORAGE	64,902
STOCKWATER	145
MUNICIPAL	715
DOMESTIC	77
POWER,INDUSTRIAL	189,706
RECREATION	0
FISH	466
OTHER:COMMERCIAL	148
TRANSMOUNTAIN-TRANSBASIN	203
TOTAL DIVERSIONS.....	373,853
DELIVERIES FROM STORAGE	
IRRIGATION	91,949
DOMESTIC	0
MUNICIPAL	273
STOCK	0
INDUSTRIAL	2
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:EVAPORATION,AUGMENTATION	4,390
TOTAL DIVERSIONS.....	96,614
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	209,440
ACRES IRRIGATED	47,981
ACRE-FEET DIVERTED PER ACRE	4.37
NUMBER OF STRUCTURES OBSERVED	787
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	123
-INFREQUENT STRUCTURES	445
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	24
-NOT USED (A,C,D, CODES)	190
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	446
NUMBER OF RESERVOIRS	45
NUMBER OF WELLS	337
NUMBER OF OBSERVATIONS	11,040

2000 IRRIGATION YEAR SUMMARY
DISTRICT 32

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	50,591
STORAGE	0
STOCKWATER	17
MUNICIPAL	20
DOMESTIC	4
INDUSTRIAL	38
RECREATION	0
FISH	0
OTHER:COMMERCIAL	1
TRANSMOUNTAIN-TRANSBASIN	0
TOTAL DIVERSIONS.....	50,671
DELIVERIES FROM STORAGE	
IRRIGATION	10,310
DOMESTIC	0
MUNICIPAL	0
STOCK	134
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,AUGMENTATION,EVAPORATION	113
TOTAL DIVERSIONS.....	10,557
DELIVERIES FROM TRANSBASIN	
IRRIGATION	229,114
STORAGE	12,616
MUNICIPAL	5,885
STOCK	450
POWER	61,606
OTHER:AUGMENTATION	2
TOTAL FROM TRANSBASIN.....	309,673
DUTY OF WATER:	
TOTAL TO IRRIGATION	290,015
ACRES IRRIGATED	72,735
ACRE-FEET DIVERTED PER ACRE	3.99
NUMBER OF STRUCTURES OBSERVED	538
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	13
ACTIVE DIVERSIONS-DAILY	222
-INFREQUENT STRUCTURES	120
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	6
-NOT USED (A,C,D, CODES)	177
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	519
NUMBER OF RESERVOIRS	20
NUMBER OF WELLS	44
NUMBER OF OBSERVATIONS	3,791

2000 IRRIGATION YEAR SUMMARY
DISTRICT 33

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	18,284
STORAGE	240
STOCKWATER	3,640
MUNICIPAL	1
DOMESTIC	33
INDUSTRIAL	10
RECREATION	0
FISH	0
OTHER:COMMERCIAL	8
TRANSMOUNTAIN-TRANSBASIN	370
INTERSTATE	1,225
TOTAL DIVERSIONS.....	22,586
DELIVERIES FROM STORAGE	
IRRIGATION	979
DOMESTIC	0
MUNICIPAL	0
STOCK	10
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE,AUGMENTATION	2
TOTAL DIVERSIONS.....	991
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	19,263
ACRES IRRIGATED	10,690
ACRE-FEET DIVERTED PER ACRE	1.80
NUMBER OF STRUCTURES OBSERVED	280
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	2
ACTIVE DIVERSIONS-DAILY	40
-INFREQUENT STRUCTURES	131
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	33
-NOT USED (A,C,D, CODES)	74
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	248
NUMBER OF RESERVOIRS	20
NUMBER OF WELLS	52
NUMBER OF OBSERVATIONS	5,171

2000 IRRIGATION YEAR SUMMARY
DISTRICT 34

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	25,667
	STORAGE	5,916
	STOCKWATER	4,572
	MUNICIPAL	841
	DOMESTIC	20
	RECREATION	0
	FISH	915
	POWER	6,165
	OTHER:	0
	TOTAL DIVERSIONS.....	44,096
DELIVERIES FROM STORAGE		
	IRRIGATION	8,111
	DOMESTIC	0
	MUNICIPAL	316
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	POWER	4,935
	OTHER:FISHERY,COMMERCIAL,EVAPORATION	8
	TOTAL DIVERSIONS.....	13,370
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	372
	STORAGE	248
	MUNICIPAL	0
	STOCK	16
	TOTAL FROM TRANSBASIN.....	636
DUTY OF WATER:		
	TOTAL TO IRRIGATION	34,150
	ACRES IRRIGATED	10,712
	ACRE-FEET DIVERTED PER ACRE	3.19
NUMBER OF STRUCTURES OBSERVED		277
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
	ACTIVE DIVERSIONS-DAILY	68
	-INFREQUENT STRUCTURES	152
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	5
	-NOT USED (A,C,D, CODES)	46
	-NO INFORMATION AVAILABLE (F CODE)	2
NUMBER OF DITCHES, SURFACE RIGHTS		416
NUMBER OF RESERVOIRS		27
NUMBER OF WELLS		35
NUMBER OF OBSERVATIONS		2,169

2000 IRRIGATION YEAR SUMMARY
DISTRICT 46

DIRECT DIVERSIONS		ACRE-FEET
IRRIGATION		3,563
STORAGE		0
STOCKWATER		31
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		144
FISH		0
OTHER:		0
INTERSTATE		2,033
	TOTAL DIVERSIONS.....	5,771
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		3,563
ACRES IRRIGATED		927
ACRE-FEET DIVERTED PER ACRE		3.84
NUMBER OF STRUCTURES OBSERVED		74
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		39
-INFREQUENT STRUCTURES		20
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		7
-NOT USED (A,C,D, CODES)		8
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		60
NUMBER OF RESERVOIRS		9
NUMBER OF WELLS		0
NUMBER OF OBSERVATIONS		847

2000 IRRIGATION YEAR SUMMARY
DISTRICT 69

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		3,980
STORAGE		148
STOCKWATER		0
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		0
FISH		0
OTHER:		0
	TOTAL DIVERSIONS.....	4,128
DELIVERIES FROM STORAGE		
IRRIGATION		322
DOMESTIC		0
MUNICIPAL		0
STOCK		0
OTHER:		0
	TOTAL DIVERSIONS.....	322
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK		0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
TOTAL TO IRRIGATION		4,302
ACRES IRRIGATED		1,199
ACRE-FEET DIVERTED PER ACRE		3.59
NUMBER OF STRUCTURES OBSERVED		48
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		21
-INFREQUENT STRUCTURES		15
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		0
-NOT USED (A,C,D, CODES)		12
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		33
NUMBER OF RESERVOIRS		7
NUMBER OF WELLS		1
NUMBER OF OBSERVATIONS		207

2000 IRRIGATION YEAR SUMMARY
DISTRICT 71

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	15,199
STORAGE	67,711
STOCKWATER	127
MUNICIPAL	430
DOMESTIC	10
INDUSTRIAL	7
RECREATION	3
FISH	6,505
POWER (Multiple Sources)	39,717
OTHER:COMMERCIAL	1
TRANSMOUNTAIN-TRANSBASIN	113,909
TOTAL DIVERSIONS.....	243,619
DELIVERIES FROM STORAGE	
IRRIGATION	52
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	135,226
POWER (See Direct Diversions)	0
OTHER:AUGMENTATION,EVAPORATION	513
TOTAL DIVERSIONS.....	135,791
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	15,251
ACRES IRRIGATED	2,067
ACRE-FEET DIVERTED PER ACRE	7.38
NUMBER OF STRUCTURES OBSERVED	232
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	66
-INFREQUENT STRUCTURES	87
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
-NOT USED (A,C,D, CODES)	78
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	162
NUMBER OF RESERVOIRS	19
NUMBER OF WELLS	47
NUMBER OF OBSERVATIONS	4,520

2000 IRRIGATION YEAR SUMMARY
DISTRICT 77

		ACRE-FEET
DIRECT DIVERSIONS		
IRRIGATION		8,218
STORAGE		0
STOCKWATER		45
MUNICIPAL		0
DOMESTIC		51
INDUSTRIAL		0
RECREATION		0
FISH		513
OTHER:COMMERCIAL		0
INTERSTATE		20,596
	TOTAL DIVERSIONS.....	29,423
DELIVERIES FROM STORAGE		
IRRIGATION		65
DOMESTIC		0
STOCK		0
INDUSTRIAL		0
RECREATION		0
OTHER:FISH		0
	TOTAL DIVERSIONS.....	65
DELIVERIES FROM TRANSBASIN		
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK		0
OTHER:MULTIPLE		104
	TOTAL FROM TRANSBASIN.....	104
DUTY OF WATER:		
TOTAL TO IRRIGATION		8,283
ACRES IRRIGATED		2,014
ACRE-FEET DIVERTED PER ACRE		4.11
NUMBER OF STRUCTURES OBSERVED		156
WATER RUN-NO INFORMATION AVAILABLE (E CODE)		0
ACTIVE DIVERSIONS-DAILY		79
-INFREQUENT STRUCTURES		26
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)		2
-NOT USED (A,C,D, CODES)		49
-NO INFORMATION AVAILABLE (F CODE)		0
NUMBER OF DITCHES, SURFACE RIGHTS		118
NUMBER OF RESERVOIRS		21
NUMBER OF WELLS		29
NUMBER OF OBSERVATIONS		1,663

2000 IRRIGATION YEAR SUMMARY
DISTRICT 78

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	20,578
STORAGE	726
STOCKWATER	632
MUNICIPAL	0
DOMESTIC	36
INDUSTRIAL	1
RECREATION	0
FISH	921
OTHER:COMMERCIAL	36
TRANSMOUNTAIN-TRANSBASIN	240
TOTAL DIVERSIONS.....	23,170
DELIVERIES FROM STORAGE	
IRRIGATION	404
DOMESTIC	0
MUNICIPAL	1,290
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL	1
TOTAL DIVERSIONS.....	1,695
DELIVERIES FROM TRANSBASIN	
IRRIGATION	194
STORAGE	575
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	769
DUTY OF WATER:	
TOTAL TO IRRIGATION	21,176
ACRES IRRIGATED	5,909
ACRE-FEET DIVERTED PER ACRE	3.58
NUMBER OF STRUCTURES OBSERVED	248
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	90
-INFREQUENT STRUCTURES	89
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	3
-NOT USED (A,C,D, CODES)	65
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	170
NUMBER OF RESERVOIRS	59
NUMBER OF WELLS	28
NUMBER OF OBSERVATIONS	1,804