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A. CURRENT WATER YEAR

outhwestern Colorado experienced a continuation of the weather inconsistencies experienced in the last several years to close out the century. The decade of the 80's appears to have cycled high on the list of historic stream flows. The current conditions experienced may be closer to average. However, the totals belie the actual distribution of the weather pattern. Heavy snow in November opened ski areas early and left a snow covering on the wet soils through out the division. Warm temperatures ensued and little snow accumulation occurred until March 31, 1999. Runoff predictions were at about 48% of normal and the outlook was not bright. However, in April a series of storms raised the predictions to 75% of normal runoff as of May 11. Although windy days all through the period seemed to be depleting the winter snow, it later became apparent that snow had drifted into the sheltered areas and mountain valleys. This increased and extended the spring runoff. Forecasts were not modified in May, but it became more likely that area reservoirs would fill. As summer arrived additional rainfall was received and reservoirs filled quickly.

After a few weeks of dry weather in late June, it began to rain frequently and heavily. During July the Animas River in Durango averaged 3400 cfs, 500 cfs above normal. The July 28th flow of 4650 cfs surpassed the earlier runoff peak of 4200 cfs, experienced on May 24th. In August, 7.51 inches of rain fell in Durango, a record for the month. The volume of flow broke records for August on many of the streams in the area. Surrounding communities experienced similar conditions. No one storm actually caused flood much damage. The storms would center in separate drainages of the mountain valleys. Since different geological formations were being eroded, the silted runoff followed the characteristics of the major drainage impacted. The Animas was observed at various shades of red, yellow, gray and green. Hay farmers remarked that hay was harvested in many shades of color, too. A fortunate few were able to put up large amounts of dry hay, while others lost one or both of the first two cuttings. Significant time was spent in turning cut hay or spreading it out on the fields to dry.

Reservoirs were able to be refilled although many had not experienced significant drawcown by early August. A spill concern occurred at Lemon Reservoir when inflows threatened to cause an

uncontrolled spill. A release of 910 cfs was made as water levels were lowered to prevent the spill. Other large reservoirs in the area also released water to keep from over-filling or spilling. September ended with three dry weeks and the high water quickly receded. Ditches needed less water during the irrigation period and diversion records show a decline in not only the amount diverted but the application rate in most areas.

The ski areas began their season with good snow conditions, but ended with marginal conditions. The rafting season was ideal for high water enthusiasts. However, the silty water proved to be detrimental to the aesthetics and weather stayed cool during the summer. Fishing was interrupted by the rain and high, murky flows. More activity in this sport was observed toward the end of the season.

Administration of Water

The following are areas or events where division personnel made specific efforts to carry out their duties during the 1999 summer. Previous work projects from past years reports or incidents were monitored but may not have had a significant impact this year.

Water Administration Calls

Very few long term river calls due to water shortages were experienced within the division. Because the shortages occurred for approximately two weeks, augmentation releases were not all made by the time the rain started. With the ensuing high water, augmentation would not have benefited the stream system and the augmenting ponds could have immediately refilled. Thus no administration was enforced in most areas except during the initial two week dry period. Elbert Creek did not have a call. The Florida River was short of water for about one day. The Mancos and La Plata Rivers experienced longer call periods. However, many junior priorities were able to divert for most of the season. No call was experienced on Stollsteimer Creek due to inaction at the ranch which holds the senior water rights. Because Dutton Ditch was being repaired, the early diversions for this ditch had already been reduced. Four-Mile Creek was dry, but only for a brief, two week period.

Spencer Reservoir was finally drained just prior to an order being sent to cause that action. The outlet valve needs to be repaired. Responsibility for the repair this structure is still in dispute.

Water Commissioners worked with the National Park Service and two Ute Indian Tribes to provide water use records for their substantial number of structures. This was the first year that the NPS has responded and provided this information.

The storage level in Red Mesa Reservoir at the end of the irrigation season was so high that a release was required to address safety concerns with the tower as it is now constructed. With the substantial carryover, the reservoir company will be in a position to refrain from placing a call until the spring season begins.

Work In Progress

- 1. The San Juan-Chama Project remains a struggle as the Rio Grande Valley endangered species controversies heat up. Plans to increase bypass flow to the Colorado streams through management of supplies to more closely match CWCB instream flow rights, did not work out because of the efforts by the USBR to maximize and extend the diversion season. Water Conservation Board managers decided not to enforce the instream flow rights this year.
- 2. After the promotion and transfer of our Dam Safety Inspector, our office was frustrated by the results of efforts made to refill the position. A number of dams went without safety inspections by an engineer this year and some computer/training support was lost. All Division staff took on additional duties and due to the extensive precipitation and reduced water administration pressure, some accommodation was made. Unfortunately, some division projects failed to progress as quickly as desired.
- 3. The Geothermal Case, 89CW19, remains unresolved and may yet be tried in court.

- 4. US Forest Service reserved rights remain unsettled. Negotiations to resolve the nature and extent of the claims progress very slowly.
- 5. Resolution of historic easements and access to ditch headings on federal property (Ditch Bill) is another frustration because the status of the structures for many water rights is continually in doubt.
- 6. The realization that we may not have the ability to download and decode satellite monitoring data, or use the associated programs for the year 2000 is a concern. The office and field staff has come to rely heavily on this data for stream flow information and administrative decisions.

We are currently addressing these listed items. Overall, operations have been greatly successful during this year. Activities have led to progress in many areas across Division Seven.

Activities

- 1. <u>U.S. Forest Service Reserved Rights</u>: A meeting held late in 1998 led to more constructive work as the technical group carried on with fewer scheduled meetings. Forest officials spent the summer accomplishing most of the first year goals in the Work Plan. On the larger scale however, discussion of the "certainty" issue led to a combined effort by parties from Division 2, 3, and 7 to resolve the matter in Washington, D.C. Attorney General Ken Salazar represented this group in meetings with Federal officials and obtained a verbal commitment for language to ensure that future administrations would not press for additional reserved rights.
- 2. Rio Blanco River Restoration Project: This project was in doubt earlier in the water year because of vocal, local opposition. The Division Engineer and the CWCB Instream Flow Coordinator with facilitation from the department office (Kathy Kanda) held an information gathering meeting where concerns could be heard again. This allowed participants in the project to answer the criticisms and complaints and compile the answers in a public document. As a result the San Juan Conservancy District decided that the work would move forward. As this

was done, more support was evident. The chief opponent eventually approved work to be done on his property. The channelization has caused the river channel to appear centered and provided pools while slowing the velocity. The future impact will remain to be seen.

Negotiations are still pending to increase the by-pass flow to the CWCB minimums.

3. San Juan RIP: Work was done by the various committees to complete the final report concerning the recommendation to support recovery of the Colorado Pikeminnow (Squawfish). The flow recommendations were approved and the operation of Navajo Reservoir remained to be subject to a supplemental EIS for the coming year. Federal actions were to require information from the division office concerning the baseline status of water diversions. No formal program was established by the end of the year. A surprise occurred when the Navajo Indian Nations request for 122,000 acre feet of depletion for further NIIP project expansion was approved without a jeopardy opinion. ALP supporters questioned the consistency of the Federal Fish and Wildlife Service in allowing this after charging the ALP for the depletion seven years ago.

The potential release of 6000 cfs from Navajo Reservoir appeared to be an option with many problems. However, hearings conducted by the Bureau will discover whether this is really a public concern which will have to be addressed. The monetary fix for the problem may prove more beneficial then the release of the assumed hydrographic pattern.

Habitat improvements were being contemplated and are also a part of the proposed \$120 million appropriation for endangered species enhancements on the entire Pikeminnow habitat area.

An additional 3,000 acre feet of minor depletions were approved for future development. Questions raised about the validity of the previous 3,000 acre feet charges were bypassed. However, no project to date has been refused outright.

The operations subcommittee voted, over public opposition, to operate Navajo according to the recommendations of the modeling team and biology committee of the RIP program. This occurred before the changes in water supply were known. It resulted in storage of extra supplies of water and filling Navajo Lake so that late summer releases of 2,010 cfs or greater were

required to draw down to safe levels. That was the last act of the committee, which may be reformed under a new Recovery Program plan.

Florida River: A grant was obtained by the Florida Conservancy District to establish five stream/ditch gages on the Florida River system. The goal is to set up real time satellite monitoring at several key sites. Satellite monitoring equipment at the gage station for the Durango City Pipeline allows for much more accurate administration and flow records. Prior to this installation, the water commissioner needed to collect weekly chart records throughout the season in this rodent infested gage site. He can now "RAS" in to find the real-time flow for five of the top 15 priorities on the Florida river.

La Plata Compact: The rain storms which soaked other areas provided only a bit of relief from Compact obligations. The State Engineers of Colorado and New Mexico met in early April to discuss several issues which have caused many heated interactions over the past several years between officials administering the Compact. One of the key agreements which came out of this meeting was to include the Keller Ditch as part of the upper index amount. Only 30%, of the diversion amount, the consumptive use, are to be accounted for. This may result in a greater delivery requirement but probably will have little overall effect on the Compact. The river was often administrated on a split system between the states due to segments of the stream channel being dry. However, return flows generally met the delivery requirement and excess water was bypassed many times. At times of over delivery, the reservoir (Red Mesa) was able to store some refill, the first time this has been allowed for many years.

Animas – La Plata Compact: As a result of the impasse between parties after the Romer-Schoettler Process, federal officials in Washington examined the recommendations and decided to support one more study, one which considered eighteen structural (with reservoir) or non-structural alternatives. The final report was due at the end of the year. Administration officials and especially Secretary Babbitt seemed eager to conclude the term with some finality. The Project would have no irrigation feature but yet provide a solution to meet Tribal Water Rights obligations as well as supply some municipal water and recreation in a storage vessel. The

Animas-La Plata Board contracted to investigate small diversion ideas on the La Plata drainage which would aid the irrigation use and perhaps be eligible for funding from Colorado sources.

<u>Pine River Domestic Supply</u>: This project was given a developmental loan. However, obstacles caused by federal resistance to use of facilities and a massive public campaign by residents in the Vallecito area stymied plans to proceed this year.

<u>WETPACK</u>: Water for Everyone Tomorrow PACKage was a new package of concepts to use water in Montezuma County put forward by John Porter and the Dolores Water Conservancy District. Division 7 assisted with whatever help the Division 7 hydrographer could supply to investigate reservoir inflow from Plateau & Beaver Creek. This project envisions new storage reservoirs and uses for irrigation, fish and municipal/domestic supplies. More will be known when the feasibility study is completed.

Watershed Groups: The Dolores River (DRIP) and Pine River groups continued meeting. Dissension threatened to interrupt progress at times but there still seems to be a unified push to collect water quality data and manage reservoir supplies for stream habitat enhancement. Our office attends these meetings to stay informed and to provide technical assistance and advice when ideas may have an impact on water users with rights.

Water Court: Judge Greg Lyman, like his predecessor, encouraged water actions to continue progressing. Seventy-one cases were received this year and 98 consultations were provided. One case on the Bear Creek Ditch in Water District 30, 96CW21, was opposed by about 10 parties without representation. Since an agreement could not be reached, the Judge ordered a mediation session to be chaired by former Judge Al Haas. The session established separate meetings between the Division Engineer and applicants as well as the applicants and objectors. This effort at mediation served as an alternative to a court hearing. The results were somewhat mixed but, in the end, recommendations may be accepted by all parties.

The District Court in La Plata County undertook a project to image water court evidence and testimony from original cases in the early 1900's. Personnel from our division office

coordinated with the water clerk and the SWWCD to organize these files into a useful tool maximizing the application capabilities. An indexing sheet was prepared showing data from water files (rights). This was incorporated into the files so that testimony or a map might be located easily. The project was progressing slowly at the end of the year.

Seventy one applications were filed with the water court. The reduction in case load allowed the opportunity to finish some of the past pending cases.

Enforcement Actions: No formal actions were filed this year although the orders had been prepared to send in the Spencer Reservoir case. Twenty to thirty orders were sent in Water Districts 30 & 31 to install or replace meters on water diversion structures. Actions were begun on 2 ponds in district 34 and one emergency action was taken on a pond in the Beaver Creek Drainage, east of Bayfield. Failure of this hastily constructed pond would have had a direct route through a new house constructed on the drainage. Nearly all of these actions, except the Mancos ponds, were resolved satisfactorily with no further action necessary. After the call went off, it was decided that orders on the Mancos area ponds should wait until the next shortage period. Due to the extensive pond construction activities in every part of the division, a notice letter was developed for commissioners to hand deliver to people discovered building ponds. They were then given 10 days to respond by filing a notice of intent, a stock tank, or a well permit. Before the season started, over 450 notices were logged into the data bases with 5 to 10 new ones coming in weekly during the summer.

Due to a previous enforcement action against Sierra Verde Estates in the Florida River Drainage, diversions were allowed this year pursuant to a new substitute supply plan. The E.B. Dude Guest Ranch on the Mancos River was discovered to be in a state of major expansion. Quick action led to a substitute supply plan for a resort which had been in existence for many years. A new well was drilled to 1085 feet deep, but the ability to use it was not determined by the end of the year.

<u>CRDSS</u>: Data was used for a comparison with the USBR Modeling efforts. Irrigated acreage discrepancies were checked by Division 7 personnel and several questionable acres were

clarified. New maps were created to assist the demonstration booths for the CWOA conference in Durango.

Public Relations: The office continued participation in the Montezuma County (DWCD Sponsored) and La Plata County (SWCD Board sponsored) water fairs during the spring. This year, the office helped with educational sessions and worked closely with sponsors of the Teachers Conservation Workshop, July 19-23, 1999, which was held for the first time in Durango. It has been an annual event in other western slope towns, but periodically changes in location. Speeches were made for classroom sessions and attended by office personnel at various times. The office staff provided a resource for news groups and other public associations.

CWOA Annual Conference: Division 7 was honored to host the Colorado Water Official Association's Annual Conference this year. A seven person committee consisting of Ken Beegles, Robert Daniels, Glen Humiston, Dave Nelson, John Taylor, Shari Titus, and Val Valentine was formed to coordinate the major details for this prestigious meeting titled "Changing Faces of Water in the New Millennium". Throughout the year, many long hours were spent preparing for and coordinating the conference activities. All of our division staff and numerous spouses lent a hand in sending out mailings, organizing activities, collecting door prizes, setting up displays at the conference and cleaning up after the two day gathering. There was good attendance both by DWR employees and local water users. Responses from those in attendance were positive. Overall, we feel it was a very successful conference.

Water Commissioner Summaries

Following are individual area comments from commissioners regarding their respective districts:

District 29, San Juan River / Val Valentine

On the eastern front of Division 7, relief came in the nick of time; twice. First with late winter snow, and then in the form of drought quenching rain.

Early to mid-winter was dry. February snow water content was at 72%, but by mid-April was up to normal.

The early irrigation season was normal, and river calls were addressed in early July. Then monsoon rains made the shortest period of administration call in the present Water Commissioner's tenure; fourteen days on Fourmile Creek, 45 days on the Rito Blanco.

In October, the Lower Blanco River Restoration Project was completed. In all, 1.1 miles of river were restored. This *demonstration* project was the result of a grass-root effort of local citizens, conservancy districts, state and federal government agencies.

District 30, Animas River / David Nelson

Late spring snows provided early spring moisture and delayed the beginning of the irrigation season. The irrigation season began around May 1, 1999. Heavy rains began about 3 weeks later and continued for the remainder of the summer and into the fall. No augmentation releases were made this year because no streams went on call due to the heavy rain. Reservoirs did not release water to compensate the stream system for evaporative losses due to the excessive moisture. The winter months were spent assisting Scott Brinton, Division 7 Hydrographer, by both working records and making winter measurements at several gauging stations. This allowed Scott to review the streamflow records for Division 2. Additionally, work was done reviewing old ditch plats during a project to assist the Water Court Clerk for Division 7 in an effort to upgrade the Water Court records. During the spring, summer and fall, public contacts and assistance were exceptionally numerous. Well permits were again a high priority.

A new assistant started work during the last week of May and beginning training was provided during May and June. Steve Barrett learned quickly and provided considerable assistance that continued until the end of September. His help allowed me to keep up with a steady flow of well permits, customers, hydrographic measurements and office duties.

Records were completed by the end of December. The spreadsheet for Johnson Reservoir and the Pine Ridge Ditch that had been developed previously were fine-tuned with considerable expertise from Bob Daniels. A significant amount of time was spent on BLM Water Rights

filings for multiple uses at spring sources with no diversion structures. A tentative agreement was reached between owners on the Bear Creek Ditch regarding a ditch company and operating procedures. This was mediated by Division Engineer Ken Beegles and retired Judge Al Haas.

District 30, Florida River / Harold Baxstrom

The 1999 water year started with a Lemon Reservoir carry-over storage of 14,700 AF. Irrigators chose to curtail irrigation early in the 1998 irrigation season to retain this carry-over level. A minimum release of 9 CFS is required to satisfy Durango City Pipeline through the winter months and an additional 2 to 3 CFS was released continually to maintain adequate flow for power generation.

The 1999 irrigation season started April 1 with a Lemon Reservoir storage level of 17,900 AF. Winter snow pack was minimal but temperature and precipitation were such that the seasonal Spring flows exceeded irrigation demands until the first week of July. By that time the reservoir had reached near full level of 40,000 AF. At this time instead of a normally decreasing reservoir level, as irrigation demands exceeded inflow, unusually heavy summer rains allowed the storage level to remain high. The level was dropped only enough to minimize the threat of downstream flooding. The remainder of the irrigation season resulted in the Florida River System not being placed on administrative "call". At the end of the 1999 water year Lemon Reservoir storage was at a level of 31,172 AF.

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

Water District 31 had a very different but good water year. The season started off short of snow pack and then the rains started. The Vallecito Weather Station recorded 26.92 inches of moisture from April 1, 1999 through September 30, 1999, while the Vallecito Snotel recorded about 33 inches of precipitation during the same period. The river went on call on July 10, 1999 and the call was released on July 19, 1999. Due to lake level management and the amount of precipitation the call remained off for the remainder of the year. The Vallecito Water Company continues to pursue their plans for the development of a rural water system and they might be close to the minimum 920 water taps required by a federal funding agency before building distribution lines can start.

District 32, McElmo Creek / Marty Robbins

Water District 32 started out slowly. We started into the new water year dry and in desperate need for rain. Due to the extreme dryness, recipients did not use their allotted shares from the Dolores Project in late May and early June. This resulted in a short water supply to most of the decreed water rights. Most of our decreed water right holders used the short water supply most responsibly. It started to rain in late June and we were relieved of all the pressures of the shortage. Through out the rest of the water year we had a good water season. Many notices of intents for new ponds were signed and many new water applications were filed. All in all, we had a great year.

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

My first year as full time water commissioner was interesting. We had good fall moisture, a very dry early winter and a cold wet spring. Larger river diurnals made for difficult compact deliveries to New Mexico. La Plata River and Cherry Creek, #10, was the most senior ditch curtailed. Mid-summer rains made this drier than normal year bearable for the users. The lower part of the river went off call because of the rains and the Red Mesa Reservoir filled and spilled during this time. Late fall was drier than normal. It was another strange year on the La Plata River system.

District 34, Mancos River / Glen Humiston

The Cortez Office has stayed pretty busy this 1999 water year.

We have had several requests for water wells, notice of intent impoundment structures and help with filling out the appropriate forms. Also we have had considerable interest in surface filings, what does adjudication mean, and what individual water rights consisted of.

We spent quite a bit of time helping to plan the Annual CWOA meeting. All in all I believe that it went well and was a real success.

I believe that the Cortez office has been very beneficial in providing service to the people who live in the western reaches of Water Division 7.

Water District No. 34 enjoyed a very good water year. The winter of 1998/1999 started out very dry and a little scary. Then spring and the snows came, reservoirs filled and the temperatures were conducive to an extended snow melt and runoff. Around the 4th of July the Mancos River began a rapid drop-off. Priority No. 17 of the 1893 decree was established on the 6th day of July as the priority call by a call for water from the Frank Ditch. The rain began a few days later and the River call was removed to a free river on the 20th day of July. It rained until sometime in September. There was lots of pretty green pastures and hay fields but an awful lot of rain damaged hay went into the barns and haystacks. The 1999 water year closed out with a higher than average carry over storage in storage reservoirs. Thus should be very beneficial in case we do not get an adequate snow pack this winter.

District 69, Disappointment Creek / Robert Becker

Due to the late spring snowfall and early summer rains the Disappointment Creek water users delayed turning on their diversions and in some instances curtailed water use entirely. Contributing to the decreasing use was the subdivision development of 2500 acres, under the Evans No. 1 & 2 ditch's, into 35-acre parcels. Many others delayed bringing cattle to their summer range due to the abundance of Larkspur.

District 71, Dolores River / Robert Becker

The district began the irrigation year with fall rains and then encountered an abnormally dry period, until late April and early May. Heavy snows then increased the snow pack to near average. Scattered intermittent rain showers continued through most of the summer, resulting in decreased diversion for irrigation.

Well permits showed a 33% increase over 1998 and other public assistance contacts regarding water filings, pond applications and ground water uses also increased over the prior year.

District 77, Navajo River / Sherry Schutz

District 77 and the Chromo Valley is an ever popular spot and vastly changing. With all the moisture we had this last Late Spring and Summer, there was not a need for disagreements over a shortage of water, just disagreements over how more than one person can use water on the same ditch.

San Juan Chama Project diverted: 58,690 AF out of Blanco 2,040 AF out of Little Navajo 55,980 AF out of Navajo

With a Total diverted of 116,710 AF. The average diverted since the beginning of the diversion in 1971 is 89,377 AF. This year is 131% of average with it being the 8th highest year of diversions. Harris Bros. And Boone #2 Reservoir is still restricted to no storage until repairs are done. However, Bruce and I went up to inspect Buckles and Harris by horses and have since found out the Forest Service is classifying the "Moss Island" in Harris Lake as a fen and wants it protected.

District 78 & 29, Upper Piedra & Upper San Juan / John Taylor

The summer irrigation season of 1999 was very different from my perspective. Lack of snow pack during the winter seemed to indicate a critical water shortage for mid to late summer. Then a major snowstorm in late April brought the snow-pack to a near normal level. More precipitation followed with some strong isolated rainfalls causing local flooding problems. Some ditches were turned on once or twice, or in some cases, not at all and left off for the rest of the year. I experienced no conflicts between water users in my areas due to water shortages. The Upper Piedra area was especially quiet, but ongoing construction on West Fork, and new activity from new owners on East Fork of the San Juan took a considerable amount of my time. Following a very wet summer, we experienced a long dry fall and have gone into winter with a shortage of ground moisture and poor prospects for next summer's water supplies. It was definitely a different kind of water year.

Well applications became a major part of my office work, and I made more onsite checks of well drilling rigs this year. Pond applications and inspections also took more time than in the past. Paper work associated with my water commissioner activities also seemed to take up considerably more of my time. I spent more time on year-end records but feel confident that they are more accurate and complete than in the past. Planning for the Annual CWOA meeting in our division also took up a significant amount of time. Although that work was fun and the resulting meeting was very successful in my opinion, I am glad that someone else has the program for the coming year.

Hydrographic Report / Scott Brinton

Streamflow was slightly below normal for the year. Streamflow records for the 1998 Water Year were completed and delivered to the chief hydrographer for publication. Four 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 138 river measurements and 32 ditch measurements this year. Water commissioners in Division 7 made 93 river measurements and 30 ditch measurements.

No new construction projects were undertaken this year in Division Seven. The hydrographer assisted in record preparation and review in Division 2 after the retirement of the lead hydrographer.

Dam Safety Report

No Dam Safety report was available. However, new construction was monitored at the Mountain View Dam and Gomez Reservoir in Archuleta County. Spencer Reservoir was breached pending repairs to the outlet structure. Summit Reservoir was completed. Much effort was required to monitor this structure as it filled. An emergency breach of a stock dam was supervised by the Division Engineer and Water Commissioners north of Cortez. A potential dam safety problem was eliminated in La Plata County on Beaver Creek when water commissioners found a new dam being constructed improperly on a draw obstructed by a home. Reductions in height and rerouting of water served to create a more secure situation. Barrett Pond No. 1 (Four-Mile Drainage in district 78) was drained per order when spillway repairs had not been completed. The staff did excellent work by filling in for the vacancy and were assisted, at least verbally, by the former inspector, Mr. Kugel, from his new location.

CURRENT YEAR OFFICE REPORT

The major event for the office was caused by the boom in building in the Durango Area. With the federal agencies relocating to their new buildings, the old Federal Building was left open at the coincidental time that the Division Seven office lease was up for renewal. The opportunity to move allowed staff to work together in planning a layout more suitable to the office functions. The increased space was very welcome and the office staff was generally happy to make the change, taking the opportunity to clean and fix up their surroundings. A much more professional presentation was enabled.

A new COFRS procedure was installed and maintained to keep payments processed timely. The budget was finalized and held to within 99% of the operating expense allowed. Mileage was saved by using state-owned vehicles effectively and also because administrative conditions did not require constant monitoring of diversions in many areas.

The reorganization of the hydro branch caused a loss in flexibility to use the Satellite Monitoring budget to enable the hydrographer to perform statewide duties. Nevertheless, he and the Assistant Division Engineer were instrumental in providing review work for hydrographic records in other parts of the state so the program could meet its deadlines in 1999.

Personnel Changes The retirement of a 35 year veteran, J. Russell Kennedy and transfer of Dam Safety Engineer, Frank Kugel, kept the managers busy filling not only their positions, but also the vacancy in the deputy water commissioner position which followed. The former deputy in District 33, Matthew Schmitt, was appointed lead Water Commissioner and Wallace Patcheck gained the deputy position in that district. Steve Barrett qualified to take the Animas River deputy position as it was opened up to be filled permanently. The office Administrative Assistant was promoted to Program Assistant I after a considerable delay. Shari Titus has accepted more responsibility partly because of the growth in business and partly from decentralization. The total FTE has not increased, except for the 4 man-months gained from Groundwater Permitting Decentralization, since 1985 when the dam safety inspector was moved from Denver.

<u>Technical Equipment</u> Computers were maintained well. Some failures of hard drives were experienced and a few of the obsolete machines (486 and P-60's) were taken out of service. A new server was installed in Durango, and the reuse of some computers allowed the field offices to have more than one machine. Computer use and reliance has continued to increase. The field

staff has generally significantly enlarged their capabilities to create and transfer files. Real time data access has become an integral part of the operation. The loss of the GPS coordinator and Training Officer left our office without needed support, but other personnel filled in where possible.

B. UPCOMING YEAR

In the upcoming year, many of the same issues will be facing the Division. Some of them will require a new approach to reflect changing circumstances;

Interstate, Interdivisional, Tribal Issues:

- 1. <u>SJRIP</u> The recovery program is re-forming for a new period of effort, The research teams need to make way for recovery alternatives. The hydrology committee, once formed, will need to carefully consider and participate in the Navajo operation plan.
- 2. <u>San Juan Chama</u> Events on the Rio Grande are having significant impacts on the San Juan-Chama diversion. A vocal element continues to press for more releases on the western side to fishery habitat improvements. River channel work may also be proposed on the Navajo River.

This office will be attempting to convince the USBR that meeting the instream flows and maximizing diversions may be mutually achievable. This will be a challenge as the New Mexico Interstate Stream Commission will be involved more actively.

3. <u>Transport of Water</u> Continued pressure will be exerted to take water from basins of surplus to basins with financial or economic need. This conflict could cause violations of the Tribal Settlement agreement and interstate compact as well as the state law.

- 4. <u>La Plata Compact</u> The La Plata Compact continues to be a challenge to operate. If a new meeting to seek agreements with New Mexico occurs, there may be a chance for a firmer Memorandum of Understanding and trust issues may be improved significantly.
- 5. <u>CRDSS Model</u> State officials will need to continue scrutinizing the basin model for the Colorado River to determine if the Riverware software is succeeding in predicting river use or yield.
- 6. <u>Endangered Species</u> Efforts made to improve habitat for the endangered species will need to be supported. As more is learned and tested, it will be come apparent which fate is available to these species and how much it will cost to restore their populations.

Intrastate Issues:

- 1. <u>BLM Wilderness</u> creation threatens further development of water rights as it could create a reason for reserved rights downstream of other diversions.
- 2. A pilot program to enforce instream flow rights held by the CWCB may be tried in Division Seven. This may have interesting consequences. However, the collection of data will be helpful. More personnel time is needed to add this duty but it could be a good way to work cooperatively with the Board and the Division of Wildlife.
- 3. More progress is likely in development of <u>Rural Domestic Supply lines in La Plata County</u>. This is a long-term improvement, but will cause changes in economic life in this part of the state. The number of well permits may be reduced eventually.
- 4. <u>Water Shed Groups</u> These groups are on the threshold of decisions regarding their mission. Although the Animas group has been very successful and accomplished some important water quality goals, the future of these groups may be varied.

- 5. <u>Pond Construction</u> As more ponds are dug and water use is changed, it appears likely that a future clash may occur when some of these are shorted by priority deliveries or by supply. Litigation may be required.
- 6. <u>Changing Use Patterns</u> The subdivision of the large tracts of land has led to or revealed a fundamental shift in interest by residents. There is some speculation that the effects of disuse of land are just now beginning to be realized. The smaller tracts will not be suitable for professional farming, but may be somewhat productive depending on the location. Wealthier landowners may do more work on 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.

Water Administration Impact

Following are issues, cases and statutes that we see as having had a significant impact on division operation in 1999.

- 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. Thorton Case Decision of 1998
- N. Development of 2000 Abandonment List

Involvement with Water User Community

Last year our office participated in program efforts to provide children's water programs in both Montezuma and La Plata Counties. Negotiation meetings were organized or supported for organizing the Forest Service reserved rights negotiations. A tabletop three dimensional water display built by Marty Robbins was used effectively. Other educational programs were supported and individual talks were made before several organizations or classes.

Groups and Agencies the division office was involved with were:

Dolores Watershed Group, DRIP

Pine River Watershed Group

Durango City Water Board

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

SJRIP Water Users Group

Pine River Irrigation District

San Juan Water Conservancy 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

State Organizations:

CAPE

Colorado Water Officials Association

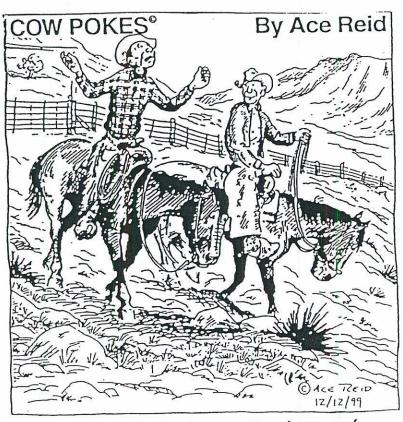
DWR Employees Council

Leadership Council, DWR

Training Steering Committee

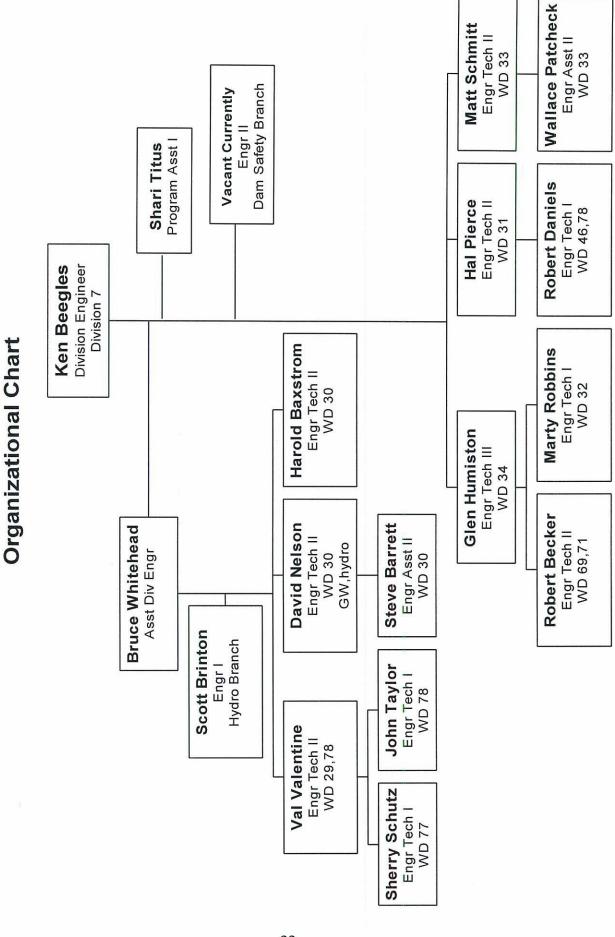
Long Range Plan Development Group

Division Seven has appreciated the advice and assistance it has received from neighboring divisions and the State Engineers office. The staff has been instrumental through dedication and hard work in maintaining a positive and constructive impact on citizens and water users in this part of the State. The foresight which they have shown has allowed us to stay close to the changing growth patterns and adapt to new public pressures on an ever-short commodity which everyone needs. The teamwork and support for the Water Resources Mission are qualities which should be commended to all those in the staff in Division 7.

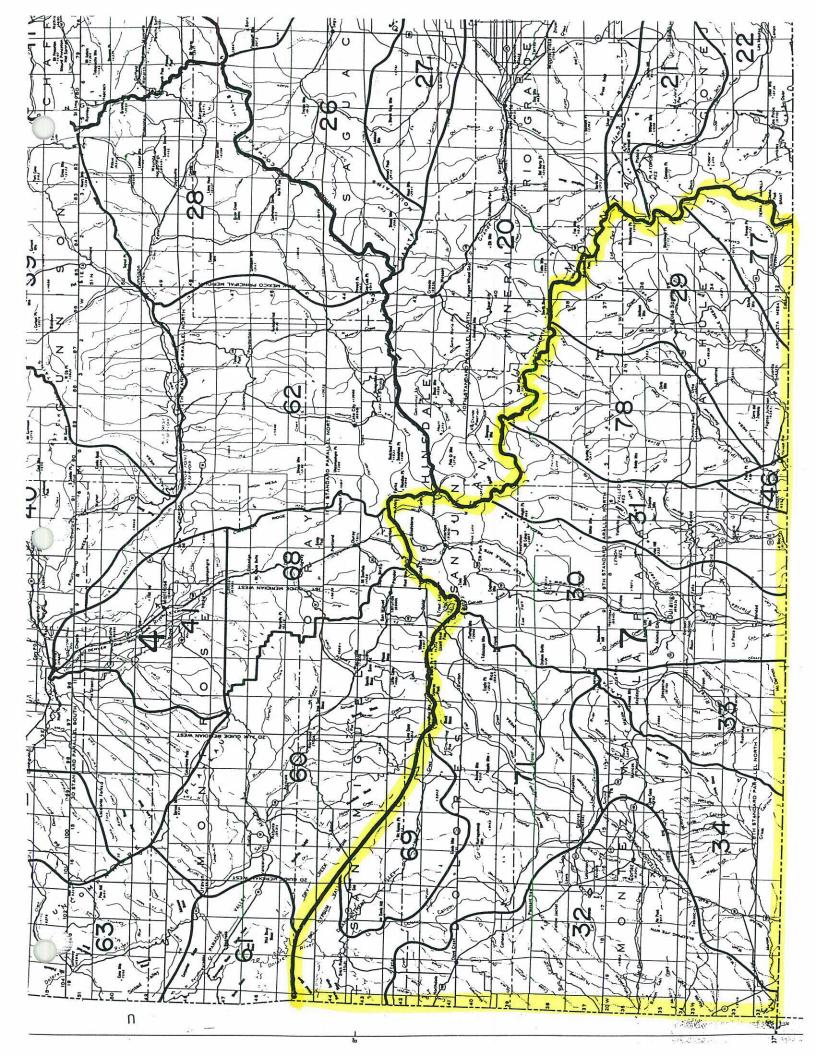


"Yep, this is God's country shore-nuf: low humidity, mild winters and rain pert near every five years."

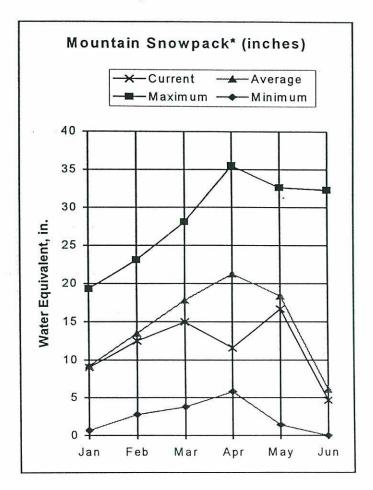
Dolores Star January 13, 2000

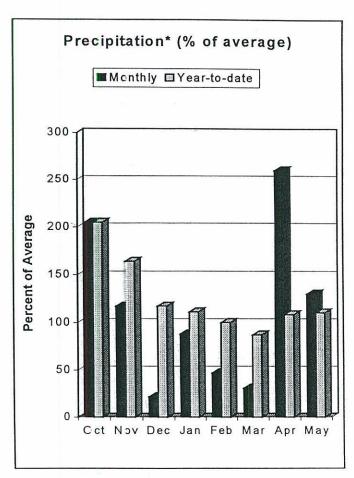


Division 7



SAN MIGUEL, DOLORES, ANIMAS, AND SAN JUAN RIVER BASINS as of June 1, 1999





*Based on selected stations

Unseasonable snowfall that began in April continued to bring large amounts of snow to these basins during early May. The snowpack went from well below average conditions, to well above average conditions in only a few days. At one point the amount of snowpack was near the average seasonal maximum (April 1). Warmer temperatures during the second half of May have melted the snowpack back to below average conditions. The snowpack is only 85% of average on June 1. Reservoir storage in the basin is 108% of average, which is about the same as last year at this time. All of the streamflow forecasts for this runoff season have remained below average and are similar to last months forecast. They range from only 47% of average at the Gurley Reservoir Intake, to 92% of average at the inflow to Vallecito Reservoir.

TRANSMOUNTAIN DIVERSION SUMMARY ---- OUTFLOWS

RECIPIENT		ID STREAM	921 RIO GRANDE RIVER	692 UNCOMPAHGRE RIVER	609 UNCOMPAHGRE RIVER	604,549 UNCOMPAHGRE RIVER	919 RIO GRANDE RIVER	922 RIO GRANDE RIVER	923 RIO GRANDE RIVER	917 RIO GRANDE RIVER	מתונו מתונו מה סומ
		WD	20	89	89	68,41	20	20	20	20	00
	YEAR	DAYS	85	123	75	29	74	99	102	0	•
	CURRENT YEAR	AF	367	179	151	24	1105	3404	746	0	0
	AVG.	DAYS	29	91.5	50.3	9.09	64.6	37.4	72.6	22.9	1 63
	10-YEAR AVG.	AF	98.74	248.9	104.84	19.89	426.69	652.2	308.08	23.44	174 02
		STREAM	SAN JUAN RIVER	ANIMAS RIVER	ANIMAS RIVER	ANIMAS RIVER	PINE RIVER	PINE RIVER	PIEDRA RIVER	PIEDRA RIVER	DIEDD A DIVIED
SOURCE		NAME	TREASURE PASS DITCH	CARBON LAKE DITCH	MINERAL POINT DITCH	RED MOUNTAIN DITCH	PINE RIVER-WEMINUCHE PASS D.	WEMINUCHE PASS DITCH	WILLIAMS CREEK-SQUAW PASS D.	DON LA FONT #1 (S RIVER PEAK)	I CONTA A CONTENT A TINOR A TINOR
		a	4669	4660	4661	4662	4638	4637	4672	4670	1/11
		WD	29	30	30	30	31	31	78	78	00

WD		RESERVOIR	SOURCE STREAM		AMOUN.	AMOUNT IN STORAGE (AF)	GE (AF)	
				Minimum	mnı	Maximum	mnm	End of
	0000000			AF	Date	AF	Date	Year
29	3654	3654 Echo Canyon Reservoir	Echo Creek	2,148.8	2,148.8 11/01/98	2,148.8	10/29/99	2,148.8
29	3644	3644 Borns Lake Reservoir	West Fk. San Juan R.	6.79	67.9 11/01/98	67.9	67.9 10/31/99	67.9
29	3682	3682 Thomas Reservoir	San Juan R.	20.0	20.0 05/25/99	58.0	58.0 11/01/98	20.0
		Total of all < 50 AF		111.0		139.4		115.9
		Total for District 29		2,347.7		2,414.1		2,352.6

	End of	Year	131.0	19,526.0	526.0	416.0	488.0	114.0	84.0	432.0	385.0	31,172.0	58.0	270.0	0.09	889.0	130.0	359.3	55,040.3
GE (AF)	mnu	Date	10/15/99	06/21/99	10/31/99	10/31/99	10/31/99	10/31/99	10/31/99	05/17/99	66/60/60	08/02/99	10/31/99	09/09/99	10/31/99	05/13/99	05/13/99	PROCESSESSESSESSESSESSESSESSESSESSESSESSESS	
AMOUNT IN STORAGE (AF	Maximum	AF	131.0	23,218.0	526.0	416.0	488.0	114.0	84.0	472.0	422.0	39,439.0	58.0	300.0	0.09	942.0	150.0	367.8	67,187.8
AMOUN	unu	Date	11/01/98	03/25/99	11/01/98	11/01/98	11/01/98	11/01/98	11/01/98	11/01/98	11/04/98	11/02/98	11/01/98	11/01/98	11/01/98	11/01/98	11/01/99	The second secon	
	Minimum	AF	131.0	10,850.0	526.0	416.0	488.0	114.0	84.0	356.0	0.0	14,790.0	58.0	225.0	0.09	838.0	130.0	313.8	29,379.8
SOURCE STREAM			Lime Creek	Elbert Creek	Elbert Creek	Elbert Creek	Elbert Creek	Little Cascade Creek	Animas River	Waterfall Creek	Florida River	Florida River	Animas River	Junction Creek	Purgatory Creek	Coal Creek	Wildcat Canyon		
RESERVOIR			3534 Andrews Lake	Cascade	Haviland Lake	Ice Lake	3547 Keeler Lake	3548 Lake of the Pines	Turner Ponds	Turner Reservoir	Florida Canal and Res	3581 Lemon Reservoir	3622 Henderson Lake	3625 Naegelin Lake	Twilight Lake	Johnson Reservoir	Johnson Lake #2	Total of all < 50 AF	Total for District 30
П			3534	3536	3540	3546	3547	3548	3560	3561	3576	3581	3622	3625	3630	3707	3724	The second secon	-
MD			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	A THE TAXABLE PROPERTY AND THE TAXABLE PROPERT	

	End of	Year	65,393.1	208.5	0.0	65,601.6
GE (AF)	num	Date	06/10/99	208.5 10/30/99		
AMOUNT IN STORAGE (AF)	Maximum	AF	10/25/99 125,301.8 06/10/99	208.5	0.0	125,510.3
AMOUN'	mnı	Date	10/25/99	208.5 11/01/98		
	Minimum	AF	65,264.7	208.5	0.0	65,473.2
SOURCE STREAM			Pine River	Little Bear Creek		
RESERVOIR			3518 Vallecito Reservoir	3617 Wommer Reservoir	Total of all < 50 AF	Total for District 31
□			3518	3617	•	•
WD			31	31		

		***************************************	0	6		7	(
	End of	Year	1,959.0	18,440.9	469.0	90.7	20,959.6
GE (AF)	num	Date	2,605.0 06/15/99	18,671.6 10/19/99	2,402.0 05/01/99		
AMOUNT IN STORAGE (AF)	Maximum	AF	2,605.0	18,671.6	2,402.0	90.7	23,769.3
AMOUN	num	Date	1,959.0 10/18/99	14,219.4 10/07/99	469.0 11/01/98		
	Minimum	AF	1,959.0	14,219.4	469.0	90.7	16,738.1
SOURCE STREAM			Transbasin Water	Transbasin Water	Transbasin Water		
RESERVOIR			3601 Totten Reservoir	3602 Narraguinnep Reservoir Transbasin Water	3603 A M Puett Reservoir	Total of all < 50 AF	Total for District 32
Q			3601	3602	3603 /	•	4
WD			32	32	32		

WD	□	RESERVOIR	SOURCE STREAM		AMOUN	AMOUNT IN STORAGE (AF)	GE (AF)	
				Minimum	num	Maximum	num	End of
		7		AF	Date	AF	Date	Year
33	3522	3522 Red Mesa Ward Reservoi Hay	Hay Gulch	345.0	345.0 11/01/98	1,209.0	1,209.0 09/02/99	1,009.0
33	3523	3523 Taylor Reservoir	La Plata River	85.6	85.6 04/01/99	85.6	85.6 10/31/98	85.6
		Total of all < 50 AF		0.0		0.0		0.0
		Total for District 33		430.6		1,294.6		1,094.6

WD	□	RESERVOIR	SOURCE STREAM		AMOUN	AMOUNT IN STORAGE (AF)	GE (AF)	
				Minimum	num	Maximum	num	End of
				AF	Date	AF	Date	Year
34	3585	3585 Bauer Reservoir No 1	Crystal Creek	74.8	03/17/99	353.0	353.0 04/20/99	107.0
34	3586	3586 Bauer Reservoir No 2	Chicken Creek	978.0	10/31/99	1,532.9	05/03/99	978.0
34	3589	3589 Jackson Gulch Reservoir West Fork Mancos R	West Fork Mancos R	4,151.0	4,151.0 11/01/98	9,996.0	9,996.0 06/01/99	6,954.0
34	3590	3590 L A Bar Reservoir	Chicken Creek	8.6	11/01/98	73.3	05/07/99	34.7
34	3592	3592 Sellers & McClane Res	Mud Creek	7.3	09/01/99	52.1	02/02/68	7.3
34	3594	3594 Weber	Middle Fork Mancos R	154.0	10/31/99	458.9	04/20/99	154.0
		Total of all < 50 AF		34.3		56.4		40.5
		Total for District 34		5,408.0		12,522.6		8,275.5

	End of	Year	266.2	78.8	100.2	50.6	495.8
GE (AF)	num	Date	405.8 05/12/99	78.8 10/31/99	116.3 11/01/98		
AMOUNT IN STORAGE (AF)	Maximum	AF	405.8	78.8	116.3	9.05	651.5
AMOUN	num	Date	10/12/99	78.8 11/01/98	100.2 07/23/99		
	Minimum	AF	266.2	78.8	100.2	15.3	460.5
SOURCE STREAM			Rincone Creek	Disappointment Creek	Morrison Creek		
RESERVOIR			3529 Belmar Lake Reservoir	3530 Dunham Reservoir	3532 Morrison Reservoir	Total of all < 50 AF	Total for District 69
₽			3529	3530	3532		•
MD			69	69	69		

MD	Ω	RESERVOIR	SOURCE STREAM		AMOUN	AMOUNT IN STORAGE (AF)	GE (AF)	
				Minimum	mnı	Maximum	mnm	End of
				AF	Date	AF	Date	Year
7.1	3606	3606 Big Pine Reservoir	Lost Canyon	12.3	08/06/99	259.0	04/12/99	52.8
71	3607	3607 Buck Pasture Reservoir	Beaver Creek	20.1	11/01/98	53.0	04/01/99	20.1
71	3610	3610 Ethel Belmear Reservoir	Beaver Creek	87.3	11/01/98	87.3	10/31/99	87.3
71	3612	3612 Groundhog Reservoir	Groundhog Creek	16,288.0	10/06/99	21,710.0	05/20/99	16,288.0
7.1	3613	3613 Lost Canyon Lake	Lost Canyon	106.2	11/01/98	106.2	10/31/99	106.2
71	3614	3614 McPhee Reservoir	Dolores River	258,226.0	11/01/98	380,937.0	06/30/99	329,680.0
71	3619	3619 Summit Reservoir	Lost Canyon	194.0	11/01/98	4,578.0	05/12/99	571.0
		Total of all < 50 AF		11.7		16.2		16.2
		Total for District 71		274,945.6		407,746.7		346,821.6

RESERVOIR STORAGE SUMMARIES BY DISTRICT

	Of		309.0	236.0	15.4	560 4
***************************************	End of	Year	30	23	Ť	56
(AF)	n	Date	365.0 05/27/99	302.0 05/27/99		
AGE	Maximum		0 0	06		
AMOUNT IN STORAGE (AF)	Ma	AF	365.0	302.0	15.4	682.4
AMOUN	ınm	Date	297.0 07/01/99	234.0 11/01/98		
	Minimum	AF	297.0	234.0	15.4	546.4
SOURCE STREAM			Coyote Creek	Coyote Creek		
RESERVOIR			3512 Spence Reservoir	3696 Sappington Reservoir	Total of all < 50 AF	Total for District 77
۵			3512	3696	•	
MD			77	77		

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	O	RESERVOIR	SOURCE STREAM		AMOUN.	AMOUNT IN STORAGE (AF)	GE (AF)	
				Minimum	unu	Maximum	mnm	End of
				AF	Date	AF	Date	Year
78	3624	Dunagan Reservoir	Stollsteimer Creek	6.3	11/01/98	93.4	04/16/99	88.7
78	3626	G S Hatcher	Stollsteimer Creek	1,250.0	11/01/98	1,735.0	05/03/99	1,604.9
78	3629	3629 Linn and Clark Reservoir	Dutton Creek	1,109.0	11/01/98	1,230.0	03/02/88	1,230.0
78	3633	Pargin Reservoir	Stollsteimer Creek	0.0	11/01/98	0.0	10/29/99	0.0
78	3636	Pinŏn Lake	Dutton Creek	89.2	11/01/98	162.0	03/29/99	151.0
78	3642	3642 Williams Creek Reservoir Williams Creek	Williams Creek	10,084.0	11/01/98	10,084.0	10/31/99	10,084.0
78	3644	Lake Forest	Dutton Creek	401.7	11/01/98	465.0	02/25/99	465.0
78	3645	Stevens Reservoir	Dutton Creek	470.3	11/01/98	635.0	03/29/99	635.0
78	3646	Town Center Lake	Dutton Creek	347.5	11/01/98	630.0	02/28/99	583.0
78	3650	3650 Palisade Lake	Middle Fork Piedra R	50.0	11/01/98	50.0	10/31/99	50.0
		Total of all < 50 AF		109.1		151.0		148.4
		Total for District 78		13,917.1		15,235.4		15,040.0

1999 WATER DIVERSION SUMMARIES

	STRUC	STRUCTURES REPORTING	ORTING	ALL OTHER STR	RUCTURES	ESTIMATED	TOTAL	TOTAL		TO IRRIGATION	NO
WD		NO	ON	ON	NO	NUMBER	DIVERSIONS	DIVERSIONS	TOTAL	NUMBER	AVERAGE
	WITH	WATER	WATER	INFORMATION	RECORD	OF VISITS		10	DIVERSIONS	OF ACRES	ACRE-FEET
	RECORD	AVAILABLE	TAKEN	AVAILABLE		10		STORAGE		IRRIGATED	PER
- 1	(1)	(2)	(3)	(4)	(5)	STRUCTURE	(ACRE-FEET)	(ACRE-FEET)	(ACRE-FEET)		ACRE
29	310	9	191	6		0 3,113	104,053	74	30,877	11,002	2.81
30	998	29	476			0 10,259	294,940	43,596	133,561	31,209	4.28
31	297	19	186	9		0 8,543	504,297	73,784	179,225	48,125	3.72
32 *	287	2	196	24		0 3,327	305,583	10,262	231,533	70,334	3.29
33	163	33	09	2		0 5,809	43,287	1,549	35,687	10,816	3.30
34 **	249	5	43	20		0 2,539	50,694	7,746	36,076	11,180	3.23
46	49	7	9	0		0 793	5,282	0	2,759	970	2.84
69	26	0	18	0		191	5,347	141	4,841	1,080	4.48
7.1	137	0	83	0		0 4,389	367,262	156,251	10,474	2,037	5.14
77***	111	0	52	-		0 1,582	69,734	189	9,380	1,801	5.21
78	169	2	75	3		0 1,710	24,194	2,461	16,201	5,708	2.84
TOTAL	2,664	103	1,386	64		0 42,255	1,774,673	296,053	690,614	194,262	3.56

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, 232,888 A.F. of which 172,941 were for irrigation.
** Total Deliveries from Dolores River Basin, Dist. 71, 418 A.F. of which 399 were for irrigation.
*** Total Deliveries from Dist. 29, 160 A.F.

1999 WATER DIVERSION SUMMARIES TO VARIOUS USES

STOCK		1,593	25,599	620	389	3,560	4,682	31	2	484	78	1,150	38,188
2	& HOUSEHOLD	91	237	74	7	33	13	0	-	13	22	71	262
FISHERY		4,187	13,679	1,248	0	0	1,101	0	362	6,465	1,415	1,486	29,943
INDUSTRIAL RECREATION FISHERY DOMESTIC		0	406	0	0	0	0	282	0	8	0	0	1,001
INDUSTRIAL		0	144	4	0	0	0	0	0	15	0	0	460
COMMERCIAL		748	1,003	141	L	4		0	0		0	38	1,937
MUNICIPAL		867	4,755	968	5,440	0	1,056	0	0	418	0	1,294	14,726
z	OUIFLOW	5,080	0	0	0	609	0	0	0	0	0	0	5,689
TRANSMOUNTAIN TRANSBASI	OUTFLOW	367	954	4,509	0	0	0	0	0	189,495	0	746	196,071
	MD	29***	30	31	32 *	33	34	46	69	71 **	77	78	TOTAL

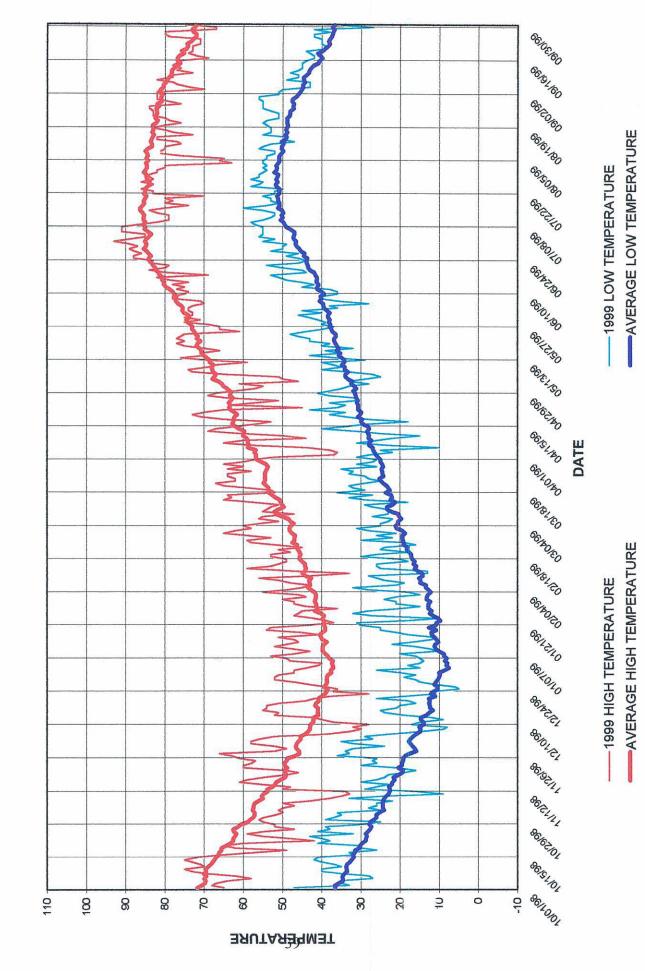
 ^{*} Municipal Use in Dist. 32 delivered from Transbasin - Dist. 71.
 ** Transbasin outflow in Dist. 71 diverted to Dist. 32 and Dist. 34.
 *** Transbasin outflow in Dist 29 includes 160 af to Dist. 77. Remainder is Trans Sub-basin diversion in Snowball Ditch System.

1999 WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

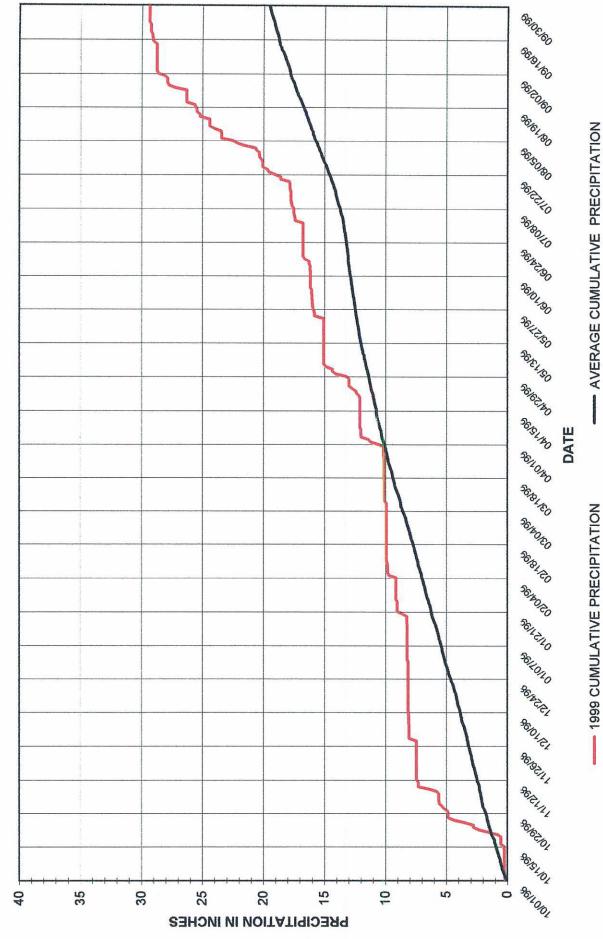
OTHER	0	0	0	0	145	0	0	0	0	0	0	145
RECHARGES OTHER	0	29	0	0	L	20	0	0	0	0	0	88
WILDLIFE	0	0	0	L	0	0	0	0	0	0	0	
POWER GENERATION	0	52,973	240,801	44,081	0	14,281	0	0	22,990	0	0	375,126
MINIMUM STREAMFLOW	0	0	0	0	0	0	0	0	0	0	0	0
GEOTHERMAL * SNOWMAKING STREAMFLOW GENERATION	0	89	0	0	0	0	0	0	0	0	0	89
GEOTHERMAL *	0	0	0	0	0	0	0	0	0	0	0	0
EVAPORATION	0	807	2,997	0	0	1	0	0	0	0	0	3,805
AUGMENTATION	0	17	149	45	_	0	0	0	47	0	0	259
MD	29	30	31	32	33	34	46	69	71	77	78	TOTAL

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

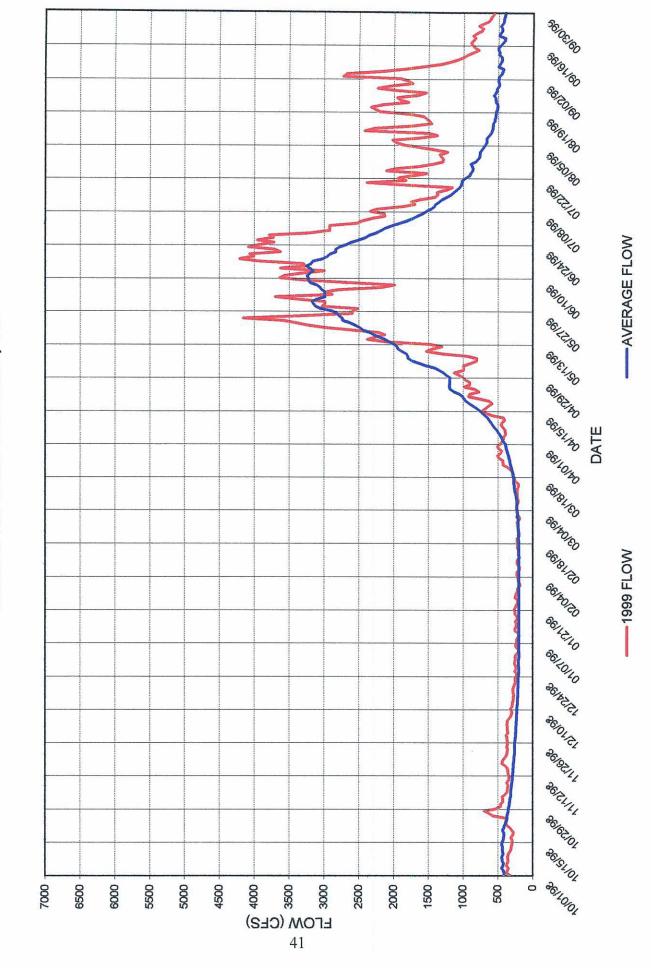
DURANGO TEMPERATURES



DURANGO CUMULATIVE PRECIPITATION



ANIMAS RIVER AT DURANGO, CO



--- La Plata River at CO/NM Stateline

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

REQUIRED	_		L TOTAL)		0	3	6 686.3			4 4435.8						13870.9	
	DELIVERE	STATE LINE					1009.6									18294.4	
		PIONEER	DITCH	0.0	0.0	39.3	41.7	158.5	219.2	215.8	208.9	143.4	107.5	106.1	88.9	1290.0	
	ENTERPRISE	DITCH	(NM)	0.0	0.0	0.0	0.0	79.7	132.9	117.8	121.4	4.6	6.9	0.0	6.9	470.2	
	STATE	LINE	STATION	863.0	809.0	718.0	6.796	1228.0	3596.3	4177.8	1481.7	3111.5	1385.9	559.1	490.1	16534.2	
		HESPERUS	TOTAL	489.0	275.0	387.0	1480.7	2751.5	8331.0	9179.1	3216.6	5322.1	2417.4	762.9	448.3	33374.3	
	30% OF	KELLER	DITCH	0.0	0.0	0.0	14.9	3.2	16.1	29.0	0.0	0.0	0.0	0.0	0.0	63.2	
	PINE	RIDGE	DITCH	0.0	0.0	0.0	0.0	6.3	9.66	•	17.5		N.			593.2	
	LA PLATA	& CHERRY	CR. DITCH	0.0	0.0	0.0	0.0	0.0	459.6	1687.2	978.8	285.4	91.2	12.5	10.5	3525.2	
		HESPERUS	STATION	489.0	275.0	387.0	1465.8	2742.0	7755.7	7276.1	2220.3	4922.1	2157.8	750.4	437.8	29255.9	
			MONTH	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	TOTALS *	

On March 19, 1999 New Mexico requested 50 CFS

Dry channel existed during many days before May 17 above Cherry Creek

30% of Keller Ditch diversion added per agreement April 1, 1999

Aug. 24-29 archives record corrected for incorrect shift data

Aug. 24 New Mexico modified delivery requirement to 35 cfs

August overdeliveries resulted from repetitive runoff caused by frequent rainstorms

* TOTALS ARE FOR PERIOD OF COMPACT CALL.

UPPER BASIN COMPACT -- SAN JUAN-CHAMA DIVERSIONS

	% DIFF	-16.4%	-8.1%	4.4%	-4.8%	-6.6%	-6.0%	-11.3%	-7.3%	-4.7%	-4.7%	-8.8%	-6.8%	-7.7%	-6.7%	-5.6%	-6.3%	-5.3%	-6.0%	-1.8%	-0.1%	-3.4%	4.6%	-5.2%	-6.3%	-1.4%	-3.4%	-2.1%	-2.0%		-4.6%
TEN-YEAR TOTALS	(SSSN)										980,300	974,280	1,043,310	1,024,310	1,090,680	1,037,380	1,041,330	1,104,990	1,064,320	948,690	876,790	942,230	902,210	866,720	835,320	829,790	797,850	856,000	889,750		942,450
AZOTEA	(NSGS)	59,980	58,070	153,300	47,230	145,100	85,230	19,390	104,200	164,200	143,600	53,960	127,100	134,300	113,600	91,800	89,180	83,050	63,530	48,570	71,700	119,400	87,080	98,810	82,200	86,270	57,240	141,200	97,280		93,677
TOTAL COLO.	DIVERSION	51,510	53,720	160,430	45,060	136,100	80,370	17,417	97,140	156,860	137,190	49,590	119,010	124,750	106,470	86,960	83,860	78,860	59,952	47,702	71,620	115,440	83,240	93,910	77,360	85,040	55,370	138,240	95,390	116,710	89,591
oso	DIVERSION	24,980	24,310	79,810	18,700	69,200	36,950	3,930	50,310	87,730	72,460	22,260	63,810	089'69	55,220	44,630	43,620	42,360	29,780	26,630	32,510	59,780	43,990	52,740	44,260	44,840	27,640	71,470	45,370	55,980	46,035
LITTLE 0S0	DIVERSION	1,340	1,120	9,720	1,070	8,120	2,420	37	2,820	8,980	6,970	1,640	6,860	8,110	6,070	9,630	4,720	4,380	972	672	1,480	3,930	6,340	6,210	5,020	5,220	950	4,450	2,110	2,040	4,334
RIO BLANCO	DIVERSION	25,190	28,290	70,900	25,290	58,780	41,000	13,450	44,010	60,150	22,760	25,690	48,340	46,960	45,180	32,700	35,520	32,120	29,200	20,400	37,630	51,730	32,910	34,960	28,080	34,980	26,780	62,320	47,910	28,690	39,223
WATER	YEAR	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	AVG.

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

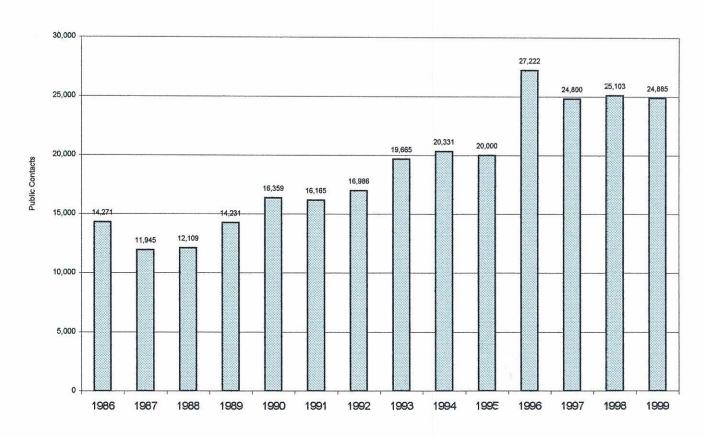
WATER DIVISION SEVEN

ACTIVITY SUMMARY

FISCAL YEAR 1999

ACTIVITY	TOTAL
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	15.49
NUMBER OF DECREED SURFACE RIGHTS (FOR THE CURRENT YEAR)	34
NUMBER OF SURFACE RIGHTS ADMINISTERED	24,404
NUMBER OF WELLS ADMINISTERED	772
NUMBER OF PLANS FOR AUGMENTATION (FOR THE CURRENT YEAR)	1
NUMBER OF CONSULTATIONS WITH REFEREE	98
NUMBER OF WATER COURT APPEARANCES	20
NUMBER OF MEETINGS W/ WATER USERS	100
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	101
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	24,885

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

WATER COURT ACTIVITIES

CALENDAR YEAR 1999

NUMBER OF APPLICATIONS FOR DECREES	71
NUMBER OF CONSULTATIONS WITH REFEREE	98
NUMBER OF DECREES ISSUED BY WATER COURT	59
TYPE OF DECREE:	
SURFACE WATER	34
GROUND WATER	1
RESERVOIRS	0
TRANSFER	0
ALTERNATE POINT	1
CHANGE IN USE	5
PLANS FOR AUGMENTATION	1
IN-STREAM FLOW	0
OTHER	17
NUMBER OF STRUCTURES IN DECREES:	
TYPE OF STRUCTURES:	
DITCHES	16
RESERVOIRS, PONDS	9
WELLS	6
OTHER (SPRINGS, PIPELINES, PUMPS, ETC.)	44
TOTAL STRUCTURES:	75

OFFICE ADMINISTRATION FY 1999

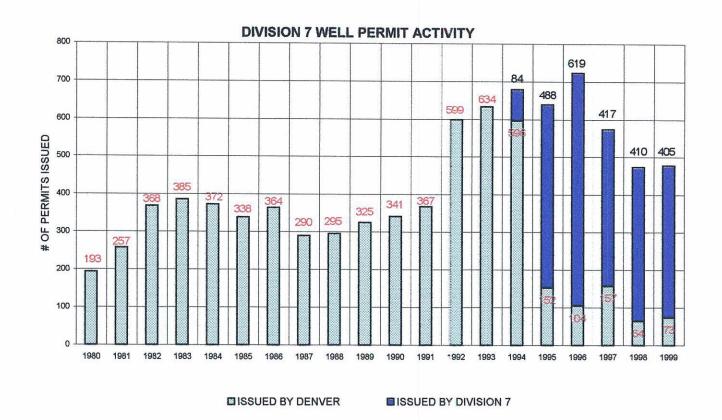
NABAT	DOCUTION			FY MONTHS	
<u>NAME</u>	POSITION		BUDGE	TED WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engin	eer	12	12	2,309
Bruce T. Whitehead	Asst. Div. Eng	ineer	12	12	1,532
Scott D. Brinton	Hydrographer		12	12	14,232
Frank J. Kugel	Dam Safety Er	ngineer	12	11*	13,195
Shari Titus	Admin. Asst. II	1	12	Month of Vacany 12	Savings 0
FULL-TIME EMPLOY	YEES IN THE FI	ELD			
NAME	POSITION	DISTRICT			
Harold Baxstrom	Eng Tech II	30/Florida	12	12	10,721
Robert Becker	Eng Tech II	69, 71	12	12	11,000
Glen Humiston	Eng Tech III	32,34,69,71	12	12	15,406
J. Russell Kennedy	Eng Tech II	33	6 *P	6* ussell Retired in De	11,490
Matthew Schmitt	Eng Tech II	33	6	4*	5437
David Nelson	Eng Tech II	30/Animas	*2 12	Months of Vacany 12	Savings 6,711
Hal Pierce	Eng Tech II	31, 46	12	12	16,505
John (Val) Valentine	Eng Tech II	29,77,78	12	12	12,625
PERMANENT PART	TIME EMPLOY	EES IN THE F	IELD		
Robert Daniels	Eng Tech I	31,46	10	10	11,700
Marty Robbins	Eng Tech I	32	9.5	9.5	10,213
Matthew Schmitt	EPS Asst II	33	3.35		1,991
Wallace Patcheck	EPS Asst II	33	1.15	Promoted to Eng 7	1807
Sherry Schutz	Eng Tech I	77	8	8	10,789
John Taylor	Eng Tech I	78	5	5	5,289
Steven Barrett	ESPA II	30/Animas	1	1	478
TEMPORARY PART	-TIME EMPLOY	EES IN THE	FFICE		
Agnes Suazo	ESPA II	Hydro/G.W.	3.9	3.9	895

SPECIAL NOTE:

² Months of A. Suazo's time came from Groundwater Decentalization

DIVISION 7 1999 RIVER CALLS

34	33	33	33	33	33	,	<u>3</u>	29	29	WD
MANCOS RIVER	(Joseph Freed Ditch to Stateline) LA PLATA RIVER (Cherry Creek to Stateline)	(Hesperus to Joseph Freed Ditch) LA PLATA RIVER GI	(Hesperus to Stateline) LA PLATA RIVER	(Hesperus to Cherry Creek) LA PLATA RIVER	LA PLATA RIVER		PINE RIVER	RITO BLANCO	FOUR MILE CREEK	RIVER
Frank Ditch	me) Dave's Ditch	itch) GH Ditch	Townsite Ditch	Joseph Freed Ditch	Big Stick Ditch	0	King Ditch	M. O. Brown Ditch	Mesa Ditch	INITIAL CALLING STRUCTURE
M-18	1997	1992	60	56	68	i i	65-32	4	∞	PRIORITY No.
07/06/99	03/21/99	04/07/99	04/07/99	03/21/99	07/12/99		07/10/99	07/01/99	07/06/99	DATE ON CALL
Frank Ditch	Sooner Valley Ditch	Enterprise Ditch	Big Stick Ditch Slade Ditch	La Plata River & Cherry Creek Ditch,	H H Ditch	Robert Morrison Ditch, King Ditch, Thompson Epperson Ditch	Dr Morrison Ditch Spring Creek Ditch	Echo Ditch	Mesa Ditch	MOST SENIOR CURTAILED STRUCTURE
M-18	41	46	50	10	42	t	P-26	9	ω	PRIORITY No.
07/20/99	10/02/99	05/10/99	05/10/99	10/02/99	11/01/99		07/19/99	08/16/99	07/19/99	DATE OFF
9	38	² 49	33	141	44	· ·	٥	45	14	DAYS



SUMMARY OF WELL PERMITS ISSUED FOR DIVISION 7 1980 - 1998

CALENDAR	ISSUED BY	ISSUED BY
YEAR	DENVER	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

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	29,158
STORAGE	74
STOCKWATER	1,593
MUNICIPAL	867
DOMESTIC	91
INDUSTRIAL	0
RECREATION	0
FISH	4,187
OTHER: COMMERCIAL, AUGMENTATION	748
TRANSMOUNTAIN-TRANSBASIN	5,360
INTERSTATE	58,490
TOTAL DIVERSIONS	100,568
DELIVERIES FROM STORAGE	100,000
IRRIGATION	7
DOMESTIC	0
MUNICIPAL	0
STOCK	. 0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	87
OTHER:AUGMENTATION,ETC.	0
TOTAL DIVERSIONS	94
DELIVERIES FROM TRANS SUB-BASIN	
IRRIGATION	1,712
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN	1,712
DUTY OF WATER:	
TOTAL TO IRRIGATION	30,877
ACRES IRRIGATED	11,002
ACRE-FEET DIVERTED PER ACRE	2.81
NUMBER OF STRUCTURES OBSERVED	528
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	5
ACTIVE DIVERSIONS-DAILY	167
-INFREQUENT STRUCTURES	151
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	6
-NOT USED (A,C,D, CODES)	191
-NO INFORMATION AVAILABLE (F CODE)	8
NUMBER OF DITCHES, SURFACE RIGHTS	345
NUMBER OF RESERVOIRS	96
NUMBER OF WELLS	79
NUMBER OF OBSERVATIONS	3 113

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	133,368
STORAGE	43,251
STOCKWATER	25,599
MUNICIPAL	4,755
DOMESTIC	236
INDUSTRIAL, POWER	29,870
RECREATION	406
FISH	13,672
OTHER: COMMERCIAL, RECHARGE, AUGMENTATION, etc	851
SNOWMAKING	1
TRANSMOUNTAIN-TRANSBASIN	954
INTERSTATE	9,056
TOTAL DIVERSIONS	262,019
DELIVERIES FROM STORAGE	
IRRIGATION	0
DOMESTIC	1
MUNICIPAL	0
STOCK	0
INDUSTRIAL	23,544
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL, RECHARGE, EVAP, AUGMENTATION	971
SNOWMAKING	67
TOTAL DIVERSIONS	24,583
DELIVERIES FROM TRANSBASIN	
IRRIGATION	193
STORAGE	345
MUNICIPAL	0
STOCK	0
OTHER:COMMERCIAL, etc.	72
TOTAL FROM TRANSBASIN	610
DUTY OF WATER:	
TOTAL TO IRRIGATION	133,561
ACRES IRRIGATED	31,209
ACRE-FEET DIVERTED PER ACRE	4.28
NUMBER OF STRUCTURES OBSERVED	1,374
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	. 0
ACTIVE DIVERSIONS-DAILY	273
-INFREQUENT STRUCTURES*	592
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	32
-NOT USED (A,C,D, CODES)	476
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES	771
NUMBER OF RESERVOIRS	180
NUMBER OF WELLS	461
NUMBER OF OBSERVATIONS	10,259

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	176,868
STORAGE	73,784
STOCKWATER	620
MUNICIPAL	877
DOMESTIC	74
POWER,INDUSTRIAL	240,805
RECREATION	0
FISH	1,248
OTHER:COMMERCIAL	141
TRANSMOUNTAIN-TRANSBASIN	4,509
TOTAL DIVERSIONS	498,926
DELIVERIES FROM STORAGE	400,020
IRRIGATION	2,357
DOMESTIC	2,337
MUNICIPAL	19
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:EVAPORATION, AUGMENTATION	3,146
TOTAL DIVERSIONS	5,522
DELIVERIES FROM TRANSBASIN	5,522
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN	0
DUTY OF WATER:	U
TOTAL TO IRRIGATION	179,225
ACRES IRRIGATED	48,125
ACRE-FEET DIVERTED PER ACRE	3.72
AGNE-FEET DIVERTED FERTAGNE	3.72
NUMBER OF STRUCTURES OBSERVED	761
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	124
-INFREQUENT STRUCTURES	427
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	19
-NOT USED (A,C,D, CODES)	
1 10.00 A 11 10.00 A 1	186
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	436
NUMBER OF RESERVOIRS	41
NUMBER OF WELLS	333
NUMBER OF OBSERVATIONS	8,543

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	47,540
STORAGE	64
STOCKWATER	30
MUNICIPAL	72
DOMESTIC	7
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	1
TRANSMOUNTAIN-TRANSBASIN	0
TOTAL DIVERSIONS	47,714
DELIVERIES FROM STORAGE	,.
IRRIGATION	11,052
DOMESTIC	0
MUNICIPAL	0
STOCK	104
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER: COMMERCIAL, AUGMENTATION	0
TOTAL DIVERSIONS	11,156
DELIVERIES FROM TRANSBASIN	11,100
IRRIGATION	172,941
STORAGE	10,198
MUNICIPAL	5,368
STOCK	255
POWER	44,081
OTHER:AUGMENTATION	45
TOTAL FROM TRANSBASIN	232,888
	202,000
DUTY OF WATER:	
TOTAL TO IRRIGATION	231,533
ACRES IRRIGATED	70,344
ACRE-FEET DIVERTED PER ACRE	3.29
NOTE TELL BIVERTED LECTIONS	0.20
NUMBER OF STRUCTURES OBSERVED	640
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0-0
ACTIVE DIVERSIONS-DAILY	212
-INFREQUENT STRUCTURES	206
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	200
-NOT USED (A,C,D, CODES)	196
-NO INFORMATION AVAILABLE (F CODE)	24
-NO INFORMATION AVAILABLE (F CODE)	24
NUMBER OF DITCHES, SURFACE RIGHTS	505
NUMBER OF RESERVOIRS	20
NUMBER OF WELLS	43
NUMBER OF WELES	2 222

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	34,714
STORAGE	1,549
STOCKWATER	3,553
MUNICIPAL	0,000
DOMESTIC	33
INDUSTRIAL	0
RECREATION	
FISH	0
OTHER:COMMERCIAL	0
TRANSMOUNTAIN-TRANSBASIN	4
INTERSTATE	609
	1,701
TOTAL DIVERSIONS	40,462
DELIVERIES FROM STORAGE	
IRRIGATION	973
DOMESTIC	0
MUNICIPAL	0
STOCK	7
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE,AUGMENTATION	2
TOTAL DIVERSIONS	982
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN	0
DUTY OF WATER:	, and the second
TOTAL TO IRRIGATION	35,687
ACRES IRRIGATED	10,816
ACRE-FEET DIVERTED PER ACRE	3.30
AONE-I LET BIVERTED I ER AONE	5.50
NUMBER OF STRUCTURES OBSERVED	291
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	291
ACTIVE DIVERSIONS-DAILY	46
-INFREQUENT STRUCTURES	
	150
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	33
-NOT USED (A,C,D, CODES)	60
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	245
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	51
NUMBER OF OBSERVATIONS	5,809

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	33,779
STORAGE	7,731
STOCKWATER	4,619
MUNICIPAL	834
DOMESTIC	13
RECREATION	0
FISH	1,095
POWER	10,425
OTHER:	0
TOTAL DIVERSIONS	58,496
DELIVERIES FROM STORAGE	
IRRIGATION	1,898
DOMESTIC	0
MUNICIPAL	222
STOCK	59
INDUSTRIAL	0
RECREATION	0
POWER	3,856
OTHER:FISHERY,COMMERCIAL,EVAPORATION	8
TOTAL DIVERSIONS	6,043
DELIVERIES FROM TRANSBASIN	
IRRIGATION	399
STORAGE	15
MUNICIPAL	0
STOCK	4
TOTAL FROM TRANSBASIN	418
DUTY OF WATER:	
TOTAL TO IRRIGATION	36,076
ACRES IRRIGATED	11,180
ACRE-FEET DIVERTED PER ACRE	3.23
AGNE-LET BIVERTED LERAGRE	0.20
NUMBER OF STRUCTURES OBSERVED	470
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	7
ACTIVE DIVERSIONS-DAILY	71
-INFREQUENT STRUCTURES	331
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	5
-NOT USED (A,C,D, CODES)	43
-NO INFORMATION AVAILABLE (F CODE)	13
NUMBER OF DITCHES, SURFACE RIGHTS	414
NUMBER OF RESERVOIRS	27
NUMBER OF WELLS	35
NUMBER OF OBSERVATIONS	2.539

DIRECT DIVERSIONS		ACRE-FEET
IRRIGATION		2,759
STORAGE		0
STOCKWATER	R	31
MUNICIPAL		0
DOMESTIC		0
INDUSTRIAL		0
RECREATION		587
FISH		0
OTHER:		0
INTERSTATE	TOTAL DIVIDIONAL	1,905
	TOTAL DIVERSIONS	5,282
DELIVERIES FROM STO	DRAGE	
IRRIGATION		0
DOMESTIC		0
MUNICIPAL		0
STOCK		0
OTHER:FISH		0
	TOTAL DIVERSIONS	0
DELIVERIES FROM TRA	ANSBASIN	
IRRIGATION		0
STORAGE		0
MUNICIPAL		0
STOCK	TOTAL FROM TRANSPACIN	0
	TOTAL FROM TRANSBASIN	0
DUTY OF WATER:		
TOTAL TO IRF		2,759
ACRES IRRIGA		970
ACRE-FEET D	IVERTED PER ACRE	2.84
NUMBER OF STRUCTU	RES OBSERVED	70
WATER RUN-1	NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVER		39
-INF	REQUENT STRUCTURES	18
INACTIVE DIV	ERSIONS-NO WATER AVAILABLE (B CODE)	7
-No	OT USED (A,C,D, CODES)	6
-No	O INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES,	SURFACE RIGHTS	57
NUMBER OF RESERVO	DIRS	9
NUMBER OF WELLS		0
NUMBER OF OBSERVA	TIONS	793

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	4,685
STORAGE	141
STOCKWATER	0
MUNICIPAL	0
DOMESTIC	1
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:	0
TOTAL DIVERSIONS	4,827
DELIVERIES FROM STORAGE	
IRRIGATION	156
DOMESTIC	0
MUNICIPAL	0
STOCK	2
OTHER:	0
TOTAL DIVERSIONS	158
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	4,841
ACRES IRRIGATED	1,080
ACRE-FEET DIVERTED PER ACRE	4.48
NUMBER OF STRUCTURES OBSERVED	53
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	21
-INFREQUENT STRUCTURES	14
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
-NOT USED (A,C,D, CODES)	18
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	25
NUMBER OF RESERVOIRS	35 8
NUMBER OF WELLS	0
NUMBER OF OBSERVATIONS	191
	.0.

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	9,349
STORAGE	189
STOCKWATER	78
MUNICIPAL	0
DOMESTIC	55
INDUSTRIAL	0
RECREATION	0
FISH	1,415
OTHER:COMMERCIAL	0
INTERSTATE	58,457
TOTAL DIVERSIONS	69,543
DELIVERIES FROM STORAGE	
IRRIGATION	31
DOMESTIC	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
OTHER:FISH	0
TOTAL DIVERSIONS	31
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
OTHER:MULTIPLE	160
TOTAL FROM TRANSBASIN	160
DUTY OF WATER:	
TOTAL TO IRRIGATION	9,380
ACRES IRRIGATED	1,801
ACRE-FEET DIVERTED PER ACRE	5.21
NUMBER OF STRUCTURES OBSERVED	153
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	77
-INFREQUENT STRUCTURES	23
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
-NOT USED (A,C,D, CODES)	52
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	117
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	29
NUMBER OF OBSERVATIONS	1,582

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	15,518
STORAGE	1,127
STOCKWATER	1,150
MUNICIPAL	0
DOMESTIC	71
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	37
TRANSMOUNTAIN-TRANSBASIN	746
TOTAL DIVERSIONS	18,649
DELIVERIES FROM STORAGE	,
IRRIGATION	288
DOMESTIC	0
MUNICIPAL	1,294
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTA!N	0
OTHER:COMMERCIAL	1
TOTAL DIVERSIONS	1,583
DELIVERIES FROM TRANSBASIN	•
IRRIGATION	395
STORAGE	1,334
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN	1,729
DUTY OF WATER:	
TOTAL TO IRRIGATION	16,201
ACRES IRRIGATED	5,708
ACRE-FEET DIVERTED PER ACRE	2.84
NUMBER OF STRUCTURES OBSERVED	253
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	87
-INFREQUENT STRUCTURES	86
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	2
-NOT USED (A,C,D, CODES)	75
-NO INFORMATION AVAILABLE (F CODE)	2
NUMBER OF DITCHES, SURFACE RIGHTS	167
NUMBER OF RESERVOIRS	58
NUMBER OF WELLS	27
NUMBER OF OBSERVATIONS	1,710