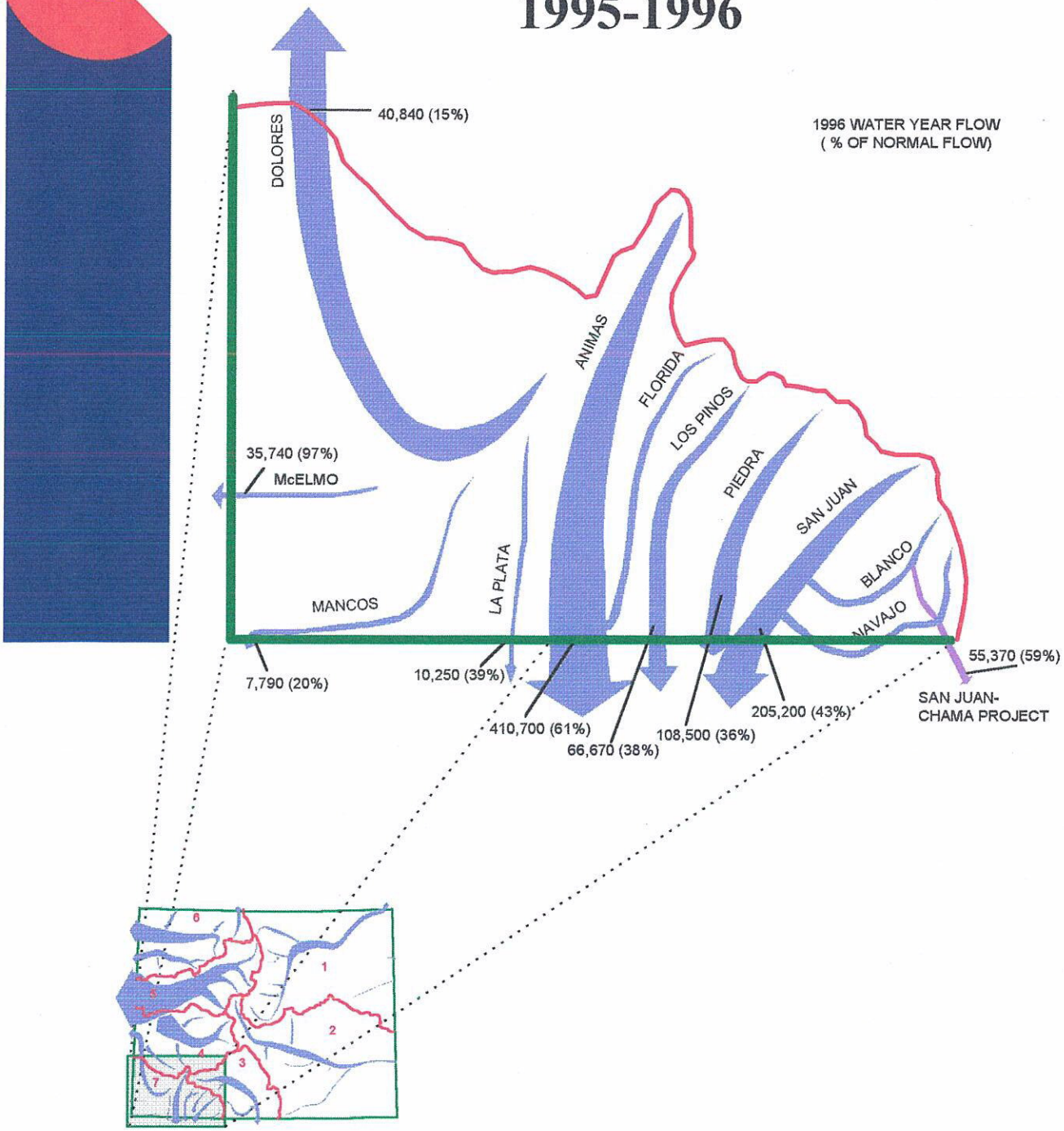
DIVISION OF WATER RESOURCES
DIVISION VII ANNUAL REPORT
1995-1996



Ken Beegles
Division Engineer

copy for
Hal D. Simpson,
State Engineer

STATE OF COLORADO

WATER DIVISION 7
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February 28, 1997

Hal D. Simpson
State Engineer
1313 Sherman Street
Denver, CO 80203

Dear Hal:

Enclosed is the Division Seven Engineer's Annual Report for 1996. We have included those items that you outlined and have added additional information in the appendix which was used in preparing the report.

I would like to express special thanks to the Division Seven personnel, as well as you and your staff for the help and support in fulfilling the various responsibilities of water administration in Division Seven.

Sincerely,

Kenneth A. Beegles
Division Engineer

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A. CURRENT WATER YEAR

The 1996 water year provided local residents the opportunity to experience the effects of a very low snow pack combined with a dry summer. Following the timely runoff that occurred in 1995, this year's conditions were even more dramatic. Beginning the water year with low base flows, rivers remained that way throughout the winter and soil moisture was severely depleted. The projected runoff was between 50 and 60% of normal with most of the snow at higher elevations. The shortage of precipitation continued throughout the spring months. Peak flows were surprisingly near normal, with the Animas River peaking at 4000 cfs on May 17, 1996. A single hydrograph peak showed that runoff maximums from middle and high elevations occurred at the same time (see pages 33 and 34). Most reservoirs did not fill, and in areas like the Florida River (Lemon Reservoir) and La Plata River (Red Mesa Reservoir), maximum storage levels were about 50% of capacity. In July, after eight months of the water year, only 6.45 inches of precipitation had fallen in Durango. Continued at this rate, the water year would have ended as one of the five driest (others: 1977, 1931, 1904, 1902) on record. Fortunately, significant rainstorms brought relief in July and September. A particularly beneficial rainstorm dropped 2½ to 3 inches of moisture in early October, and seemed to bring the drought cycle to an end. However, significant damage and difficulty had already been experienced. The La Plata / Fort Lewis Mesa area essentially dried up after June 15, with only a few ditches having water for more than stock purposes. Some ditches did not receive any water. Many young trees and plants did not survive the winter. Many wells dried up and numerous residents relied on hauled water for their domestic supplies. Memories of past dry years were recalled. The year 1963 was comparable in terms of the shape of the basin-wide hydrograph. However, those base flows were much higher than in 1996. The La Plata River base flows at Hesperus were around 6.0 cfs. Hikers were able to ford the lower Piedra River most of the summer using rock stepping stones. The Animas River at Durango reached a low flow of 158 cfs by August 20 when the call was made by the Animas Consolidated Ditch. The stream channel was essentially dry below this ditch, as well as at the mouth in Farmington, New Mexico.

1. DROUGHT ADMINISTRATION

The following observations were considered to be particularly notable this year due to the circumstances.

a. Navajo River Shortages were experienced on some tributaries. Steps were taken to ensure that reservoir releases were not illegally supplemented with natural streamflows when diverted.

b. Transmountain Diversions Very little water was available physically or legally to Division 3 transmountain diversions.

c. San Juan / Blanco Rivers (District 29) Buckles and Harris Lakes did not receive enough inflow to store significant amounts of water. Little water was used in the Big Branch Ditch. The San Juan – Chama Diversion was limited to 59 % of normal.

d. Piedra River (District 78) Fairfield Pagosa suffered from poor runoff to the extent that golf course irrigation was curtailed. The Division Engineer approved an exchange that allowed water to be taken from Barrett Ponds into Dutton Ditch for storage in the Fairfield area reservoirs. Another exchange was approved on the Clayton and Reed Ditch to carry senior water into Stevens and Clayton Ditch.

e. Pine River (District 31) The demand for water exceeded the supply to the extent that some of the ditches utilized all of their storage water and were subsequently shut off by the water commissioner. Advanced planning enabled local users of municipal / domestic supplies to avoid this curtailment. Storage levels in Vallecito were reduced to 25,000 acre-feet. The Southern Ute Indian Tribe entered contracts with ditch companies to provide supplemental irrigation water. However, shortly after the contracts were signed, significant precipitation in the area helped alleviate the need for the supplemental water. Most ditches chose to carry over the water.

f. Florida River Lemon Reservoir was reduced to 5,000 acre-feet of storage. As a result of the shortages, users of project water suffered a 50% reduction in water deliveries. Many on the Florida Mesa ran out of water, including the Loma Linda Subdivision ditch use. Most domestic wells continued to function, however. The priority minimum of F-16 on August 15 at the Prescott Northside Ditch was the lowest experienced in recent memory, and resulted in curtailment of several senior water rights, including some in the Durango City Pipeline. Fish ponds, some of which had existed without administration for many years, made releases or were drained in the effort to comply with the priority system requirements. Enforcement actions were taken in several areas, especially in new pond construction, or when ponds were depleting the stream out of priority.

g. Animas River For the first time ever, there was a valid written call delivered by the Animas Consolidated Ditch due to shortage on the Animas River. Cascade Reservoir inflow was affected, and the town of Silverton was warned of impending action. However, curtailment of non-decreed fish and aesthetic ponds, as well as the nearby Reid Ditch, allowed senior water rights to be satisfied. Water was also released from the newly reclaimed mining areas near Gladstone. Strict administration was carried out on the Elbert and Junction Creek drainages for most of the irrigation season.

h. La Plata River After the administrative conflict during February and March, very little water was available for storage in Red Mesa Reservoir or through the Pine Ridge Ditch. Most of the ditches received water in May. The Treanor Ditch had water available only for two days before being curtailed. River flows then dropped to less than ten cfs, severely impacting all water users on the system. This year, return flows did not meet the Compact requirements. A major precipitation event in early October resulted in an effort to deliver water through the system to meet the La Plata Compact. The delay in achieving a live stream was about one week, during which some 500 acre-feet of surface flows were lost in the middle reach of the river.

i. Mancos River Careful administration allowed efficient use of the limited water supply. Jackson Gulch Reservoir was able to "top out", but immediate demand drained much of the water by the season's end. Strict administration was required on some of the side tributaries, and many undocumented or unapproved small ponds were discovered.

j. Dolores River – McElmo Creek McPhee Reservoir stored only about 65,000 acre-feet during the current water year. However, there was enough carry-over that ditches generally had an adequate supply for use. Fish flow releases were managed to benefit the habitat below the reservoir on the Dolores River.

2. CURRENT YEAR ACCOMPLISHMENTS

Much work was accomplished in spite of, or because of, the low water conditions. Among the water administration activities are the following items:

La Plata River Winter Use The low water combined with an age-old conflict to cause a major reaction by users on the La Plata River. The Division Engineer administered a call from the Red Mesa Reservoir in February 1996 by reducing stock water runs on upstream ditches. This administration resulted in legal referrals and opposition by those ditches. The stockwater users filed an injunctive request in water court (96CW08) to stop the administrative action. Division 7 held meetings throughout February with the ditch companies. During this time the reservoir inlet canal was cleaned and water was delivered in significant quantities to storage. The demand for "irrigation water" was allowed in March. A memorandum of agreement was developed as a result of the meetings. However, key ditch companies, which verbally agreed to the letter, subsequently refused to sign it, and the matter remained unresolved.

Data Quality – CRDSS During the winter the office staff worked with field personnel from Cortez in a complete review of records developed for the Montezuma Valley Irrigation Company system. Discrepancies in total flows had been discovered in the

modeling process. It was decided to fix errors and develop spreadsheet programs to compute the distribution of the water during the years when the Company was changing delivery methods and structures. The result automates the distribution decisions by using the spreadsheet calculations that apply across several years. Additionally, check programs were developed for water diversion record development and for structure / rights work so that quality data would be available to the HydroBase Project and the modelers.

San Juan – Chama Project Although a large quantity of water was carried over in New Mexico reservoirs, transfers resulted in a large demand for Colorado diversions into the Rio Grande Basin during the spring. The minimum bypass flows were initially met, but as June approached it appeared that meeting the Colorado minimum stream flow was in doubt. The Division Engineer found that a reduction of bypass flows on the Navajo River during May would allow the Bureau of Reclamation to divert additional water, which would subsequently allow enough credit to maintain 29 cfs on the Rio Blanco for most of June. This exchange worked to the mutual benefit of both parties and met no opposition from local users. In other actions taken, the Assistant Division Engineer coordinated with USBR – Chama to install a gaging station on the Little Navajo below the Little Oso Diversion. As a result there will be a new Parshall flume and record on this tributary which is part of the San Juan – Chama project.

Dolores Water Conservancy District The interim operating agreement for management of fish flow releases out of McPhee Reservoir converted to a permanent agreement. This resulted in a much-improved arrangement where a management team recommended releases of water in excess of the 25 cfs that might have been required this year under the project operational regulations. Augmentation of wells continued for subdivided lots or new exemptions. Meters were being required for all augmented wells. In some cases, lots that had been covered under a previous augmentation plan were seeking the new protection provided by the District. Two water cases were developed and filed in water court to formalize the exchange of water to Groundhog Reservoir and then to the river. These exchanges replaced depletions of

the junior ditches and the new domestic uses.

La Plata River Compact The La Plata River Compact was administered and water delivered beginning March 22, 1996. River levels dropped significantly by June, and it was necessary to administer the river in three separate reaches, which were divided by miles of dry river bed. Whereas in recent years, return flows exceeded the Compact requirements, diversions during the current year were not sufficient to yield adequate return flows. Upstream users were able to continue water diversions. In October, when major rain was received, these upstream users were not immediately curtailed. It was believed that the rain would not produce sufficient runoff to reach the State Line. However, after about a week enough water flowed through the entire reach of the river to resume deliveries. As a result, there was a general surplus for the next month.

Mesa Verde – National Park Service Claims Early in the year, the Mesa Verde proposed decree was presented to the Mancos Water Conservancy District. It was found that previous negotiations, which significantly reduced spring flow claims and subordinated a lower instream flow on the Mancos River, were still not acceptable. Further work resulted in more agreeable language and claims. Therefore, by the year's end, it appeared that the water rights claims for the Park Service would be settled to the mutual satisfaction of the various parties to the case.

Enforcement Action Orders were issued in water districts 30 and 31 for new meters and measuring structures. Most of these orders were complied with. However, legal steps were required in some cases. Administrative actions were taken on domestic wells in the Pine and Stollsteimer drainages, and on monitoring holes near Chromo. Administrative and reservoir regulation occurred in Sierra Verde Estate (District 30) and Spencer Reservoir (District 34). Resolution of these cases was still pending at the end of 1996. Orders for installation of meters on Geothermal uses by the Pagosa Springs Resort Co. were complied with and agreements on use were made with the owners.

Geothermal The pipeline proposals met with initial agreement and success under the plan, effluent from PS-3 would be delivered to major users on the south side of the San Juan River at a temperature acceptable to them. However, parties split on peripheral issues. It became apparent that an agreement would not be finalized even after approval of a CWCB grant for construction of the pipeline. The Town of Pagosa Springs did build a footbridge across the stream and the pipeline appeared to be inevitable, but there were still questions about how to resolve the geothermal objections. Archuleta County No. 3 Well was plugged by the town later in the year. The Dugan well leak had not been repaired by the year.

CRDSS Apparently the third year for the program was actually 1996. During this year the basic modeling, which included 75% of the decreed structures, was completed. This model extended into the New Mexico portion of the San Juan River, and provided a rudimentary system description of the entire basin. Water commissioner tool kits, consisting of Pentium PC's and software, were utilized to great benefit. Access for streamflow information was still provided by modem, using a credit card to connect to the VAX. Further improvements were being planned to include the office computers, as well as the field offices, into the statewide Intranet system.

Quality Management Personnel from Division Seven participated in the evaluation of staffing workloads in both water commissioner and dam safety work. The decentralization of well permitting continued, and the Division Seven office issued well permits locally for the entire year. Many improvements in public service were noted. The office was able to extract itself from the middle of subdivision decision making, thanks in part to a letter written by the State Engineer to the counties early in 1996 clarifying our position with regard to subdivision evaluation.

Storage Water Administration The shortage of water was keenly felt by all project water users. The Montezuma Valley Irrigation Company actually exceeded its allocation of McPhee water for a short period of time. Replacement water in the amount of a few hundred acre-feet was made available from Groundhog Reservoir.

However, in the Florida River, project water assigned to many users was entirely consumed. Ditch riders and the water commissioner regulated many users, including some larger residential irrigation supplies. The Pine River Project also experienced extremely low storage supplies. Many ditches exhausted or severely depleted storage water to the point that several were curtailed completely. At one time the projected carryover storage at Vallecito Reservoir was ten to fifteen thousand acre-feet. However, rainstorms and voluntary reduction of use conserved several thousand acre-feet. A computer program developed by the water commissioners helped to predict shortages. As a result, steps could be taken to notify those users, especially of domestic water, that shortages could be imminent.

Pond Administration Ponds that had been constructed in the critical areas were regulated, and releases were made where appropriate. Efforts to administer the ponds on the Florida River were successful, and many evaporative releases may have helped extend the stream flow at critical times later in the season. Information was gathered and action was taken in other areas, such as on the Mancos River and other small streams, to regulate and augment for evaporative depletions.

Dam Safety Dams were inspected according to the normal schedule, with follow-up visits made as necessary. Eighteen of 20 Class II dams were inspected this year. Construction began on a new Class I structure, Mountain View Dam. This project is located upstream of the Town of Pagosa Springs. One of several interesting design aspects concerned the spillway. The owner did not want the spillway visible from upstream. The corresponding design called for a siphon spillway. Such a design required 30 feet of freeboard to pass the Inflow Design Flood. Construction was stopped in October 1996, due to delays in foundation preparation, and is scheduled to resume in the spring of 1997.

A zero storage restriction was issued for Harris Brothers and Boone Dam No. 2, a Class III structure near Chromo. Vandals opened the outlet and drained the reservoir. This provided a rare opportunity to view the outlet intake structure. The trashrack was

in total disrepair, which was unacceptable considering the downstream valve and floating peat in the reservoir. An upstream valve and functional trashrack are required for full storage.

Duncan Dam, a Class III dam near Purgatory Ski Area, required major outlet repairs. Severe corrosion had perforated the CMP outlet immediately downstream of the valve. This allowed infiltration into the conduit, and provided a mechanism for possible piping failure. The solution was to line the existing outlet pipe using the Insituform cast-in-place lining system. The resulting liner actually improved the discharge capacity while providing a sound outlet conduit.

Hydrographic Report Streamflow was well below normal for the year. Streamflow records for the 1995 Water Year were completed and delivered to the chief hydrographer for publication. Five records were published by the USGS and 13 were published in the Colorado Division of Water Resources yearly publication. Twelve additional records were worked up for the annual diversion report.

The Division 7 hydrographer made 117 river measurements and 26 ditch measurements this year. Water commissioners and other engineers in Division 7 made 61 river measurements and 44 ditch measurements.

The gaging station and the footbridge at the La Plata River at the Colorado-New Mexico Stateline were rebuilt with construction funds made available from the Chief Hydrographer and the Water Conservation Board gage reconstruction fund. The gage was originally constructed in 1934. Additional funds were made available late in the water year and these were used to replace the existing footbridge at the La Plata River at Hesperus. Construction of a new gage to replace the old gage was begun at the Mancos River near Mancos. The old gage control section has been eroding ever since the landowner removed a large gravel bar located thirty feet below the gage. The new gage and footbridge will be located about 1200 feet upstream of the old gage. Division Seven also participated in the construction of a new Parshall flume and gage below the

Little Oso Diversion on the San Juan-Chama project. Division of Water Resources personnel provided construction supervision and the old gage house from the La Plata River at the Colorado-New Mexico Stateline for the project and the United States Bureau of Reclamation provided materials, labor and heavy equipment. Division seven personnel utilized 1100 hours on construction projects this year.

3. CURRENT YEAR BUDGET

Expenses were made where necessary and the office stayed within 2% of the budget allocated. No major purchases were made. Water commissioners' overtime was rationed out due to cuts in Division 7 allocations and normal increased pay rates for the commissioners from annual step increases. In June, the overtime usage was severely curtailed in order to avoid over-expenditure of those funds. Training funds were spent as allocated and CRDSS time was used for winter work. Dam Safety expenditures again exceeded the amount allocated for that purpose in Division Seven and Three. One vehicle became disabled and was replaced by a used State Parks truck for the remainder of the year. Other vehicles were used extensively for field work.

4. CURRENT YEAR PERSONNEL CHANGES

Bill Baker retired in late 1995, after 16 years of dedicated service to water administration and the State in water district 32. He was replaced by Marty Robbins, who learned the district quickly. Robert Becker and Matthew Schmitt each received promotions to higher job classifications.

5. ISSUES NOT ADDRESSED

By the end of the water year, former issues such as winter stockwater use on the La Plata River, US Forest Service wells, monitoring hole follow ups and some interagency involvement were not adequately addressed. However, the vast majority of issues that

surfaced were answered at least satisfactorily enough to cause parties to attempt to work with solutions. Four enforcement orders had not been fully processed or resolved at the end of the irrigation season. These were the Corlies Well, Krings Well, Hatch Ponds and Spencer Reservoir.

B. UPCOMING YEAR

Interdivisional/Interstate Issues

Federal, Tribal or Interstate Issues:

1. The effect of the critical stream habitat designations has on water policies and decisions made within Colorado to address recovery under the Endangered Species Act. The progress of the instream flow filing in Divisions 5 & 6 will be tracked closely.

2. The development of the Animas-La Plata Project will continue to be an issue that will be at a crossroads due to the current Governor's initiative between the opposing parties. The time may be right for an agreement that would allow a reduced reservoir and delivery system to be built.

3. Water marketing is an issue that has not yet been resolved and will continue to be a problem until some of the downstream users with sufficient supplies are satisfied.

4. The Rio Blanco Study group reactivated and is pursuing various grants for restoration and habitat improvement of a short stretch of the Rio Blanco River.

5. Negotiations will continue toward resolution of the Forest Service claims for water rights made in 1978. Field studies may be necessary to provide needed data for decision making. These are some of the last remaining W-case files which have not been completed.

6. If necessary, the office will participate with New Mexico officials in a review of La Plata River Compact Administration.

Division 7 Issues

Following are continuing and new issues facing Division Seven in particular this year.

1. Approval of substitute supply plans on the Dolores and Pine River will require significant time. There are several issues related to converting project water to exchange and replacement that will need to be addressed.

2. Use of Red Mesa Ward water for augmentation or exchange is an important issue in the upcoming year.

3. The effect that tribal regulations on water quality will have on non-Indian users and property could have an impact on administration in several basins.

4. County planning interactions will continue to consume efforts to avoid future permitting problems.

5. Movement should be made toward final resolution of the Geothermal Well case in Pagosa Springs. If the pipeline company fails to resolve the conflicts, the State will need to take action. This office would then examine the applicant's plans to mitigate the injury.

6. Work - progress should be made toward development of a domestic water supply line from Vallecito Reservoir to rural areas of the Pine and Florida River Drainages.

7. Water cases in which the excessive and unsubstantiated claim for water use will need to be addressed. Water court support of division engineer's consultation reports is a crucial factor in this issue.

Personnel Issues

1. With the addition of four person-months from the Groundwater Management Fund for well permitting, the Division Seven office will try to alleviate some of the direct public pressure in the office during the busy summer months. Some of the time will be used to develop groundwater data, check programs and well listings.

2. Workload assessment and the best determination of the work performed by staff will be subject to attention.

3. There will be attention paid to the following: monitoring well notification and problems resulting from pond construction.

4. It is hopes that training and equipment will be made available to record groundwater well locations accurately for use by Division Seven personnel or the newly developed GIS System.

C. FUTURE ISSUES

Future issues that the office faces follow a similar pattern to previous anticipated concerns.

1. Conversion of irrigation ditch water to multiple use and administration of such by the water commissioner and the ditch rider.

2. Delivery obligations to New Mexico pursuant to the La Plata River Compact, and adjustments which might be justified by peculiar hydrologic circumstances.

3. The extent which a water right application may be used to claim more water than actually needed or available to it may be an issue facing the water court.

4. The timing and determination of the beginning and end of the irrigation season by the division engineer. In company with this is the question of the implied domestic or stock water uses intended by early court decrees in some of the drainages.

5. The timing and determination of the beginning and end of the geothermal heating season for purposes of regulating.

6. Establishment of a management committee to oversee the Geothermal Use and development in Pagosa Springs.

7. Measurement of Indian water into non-decreed acreage areas of the Pine River drainage.

8. Methane contamination in the ground water may remain an issue.

9. Pond construction in remote areas without notice and the diversion of water without a decreed use into these ponds.

10. The ever-increasing impact of the San Juan Recovery Implementation Program on water use and development.

1. WATER ADMINISTRATION IMPACT

Following are issues, cases and statutes that we see as having a significant impact on division operations in 1996.

A. San Juan Basin Recovery Implementing Program
B. Indian Water Rights Settlement
C. Animas-La Plata Project
D. Endangered Species Act

E. Clean Water Act
F. Groundwater Case Law
G. FLSA
H. Groundwater Regulations and Policies
I. Changing growth trends in the State
J. Colorado River Storage Act
K. Public Trust Doctrine Initiatives

D. INVOLVEMENT WITH THE WATER USER COMMUNITY

We participated with the following groups in various roles, generally acting as advisor in water matters:

Southwestern Water Conservation District
Animas-La Plata Water Conservancy District
La Plata River Conservancy District
Dolores Water Conservancy District
Mancos Water Conservancy District
San Juan RIP-Hydrology Committee
Pine River Irrigation District
Geothermal Users Group-Pagosa Springs
San Juan Water Conservancy District
Water Information Program
Rio Blanco Advisory Group

State Organizations:

Training Steering Committee
Quality Management - GW Permitting
Colorado Water Officials Association

DWR Employees Council
Leadership Planning Group
Workload Assessment Group

Meetings were attended or organized with various ditches, town boards or commissions to discuss water related matters. Water exhibits and presentations were made at the high school and for middle school classes. Staff from the office and field helped with presentations at both the Montezuma County and La Plata County Children's water festival. Many ditch controversies were addressed as they arose by the water commissioners as a result of the administrative involvement required to equitably distribute a scarce supply this year. It was a year of the water commissioner, exemplifying the need for a strongly supported water resources division.

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	113.84	29.2	15	15	20	921	RIO GRANDE RIVER
30	4660	CARBON LAKE DITCH	ANIMAS RIVER	262.3	93.1	210	98	68	692	UNCOMPAHGRE RIVER
30	4661	MINERAL POINT DITCH	ANIMAS RIVER	140.44	59.5	9	12	68	609	UNCOMPAHGRE RIVER
30	4662	RED MOUNTAIN DITCH	ANIMAS RIVER	40.07	48.4	19	27	68,41	604,549	UNCOMPAHGRE RIVER
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	519.39	75.3	42	(1) 8	20	919	RIO GRANDE RIVER
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	873.7	46.4	0	0	20	922	RIO GRANDE RIVER
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	324.98	66.6	123	72	20	923	RIO GRANDE RIVER
78	4670	DON LA FONT #1 (S RIVER PEAK)	PIEDRA RIVER	48.54	42	0	0	20	917	RIO GRANDE RIVER
78	4671	DON LA FONT #2 (PIEDRA PASS D.)	PIEDRA RIVER	248.64	73.7	112	116	20	918	RIO GRANDE RIVER

(1) : INCLUDES OUT OF PRIORITY DIVERSIONS FROM MAY 24, 1996 TO MAY 27, 1996

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
29	3507	Harris Bros Boone Res 2	Blanco River	188.9	11/1/95	0.0	6/25/96	0.0
29	3654	Echo Canyon Reservoir	Echo Creek	2148.8.9	11/1/95	2148.8	10/31/96	2148.8
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.8	11/1/95	67.8	10/31/96	67.8
29	3682	Thomas Reservoir	San Juan River	56.0	11/1/95	20.0	6/26/96	20.0
		Total of all < 50 AF		71.6		107.3		71.6
		Total for District 29		2534.0		2343.9		2308.2

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
30	3534	Andrews Lake	Lime Creek	131.0	11/1/95	131.0	10/31/96	131.0
30	3536	Cascade	Elbert Creek	8968.0	4/30/96	21807.0	10/12/96	21067.0
30	3540	Haviland Lake	Elbert Creek	486.0	9/3/96	526.0	11/1/95	496.0
30	3546	Ice Lake	Elbert Creek	408.0	11/1/95	416.0	5/7/96	416.0
30	3547	Keeler Lake	Elbert Creek	460.0	8/19/96	488.0	11/1/95	488.0
30	3548	Lake of the Pines	Little Cascade Creek	114.0	11/1/95	114.0	10/21/96	114.0
30	3560	Turner Ponds	Animas River	84.0	11/1/95	84.0	10/31/96	84.0
30	3561	Turner Reservoir	Waterfall Creek	288.0	5/17/96	413.0	11/1/95	288.0
30	3576	Florida Canal and Res	Florida River	41.7	11/1/95	117.0	5/5/96	52.5
30	3581	Lemon Reservoir	Florida River	4954.0	9/13/96	27703.0	5/21/96	8323.0
30	3622	Henderson Lake	Animas River	58.0	11/1/95	58.0	10/31/96	58.0
30	3625	Naegelin Lake	Junction Creek	210.0	4/23/96	270.0	8/6/96	240.0
30	3630	Twilight Lake	Purgatory Creek	0.0	5/9/96	60.0	11/1/95	60.0
30	3707	Johnson Reservoir	Coal Creek	740.0	9/17/96	915.0	11/1/95	764.0
30	3724	Johnson Lake #2	Wildcat Canyon	90.0	9/3/96	110.0	11/1/95	90.0
		Total of all < 50 AF		234.9		340.6		254.6
		Total for District 30		17267.6		53552.6		32926.1

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
31	3518	Vallecito Reservoir	Pine River	25413.1	9/16/96	105486.3	5/23/96	36720.9
31	3617	Wommer Reservoir	Little Bear Creek	166.9	10/31/96	199.8	4/15/96	166.9
31	3805	Gosney Gravel Pit	Pine River	123.2	11/1/95	123.2	10/31/96	123.2
		Total of all < 50 AF		0.0		0.0		0.0
		Total for District 31		25703.2		105809.3		37011.0

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
32	3601	Totten Reservoir	Transbasin Water	2064.0	9/21/96	2948.0	6/3/96	2948.0
32	3602	Narraguinnep Reservoir	Transbasin Water	9538.2	10/16/96	18383.2	7/1/96	16304.0
32	3603	A M Puett Reservoir	Transbasin Water	519.0	9/9/96	2036.8	5/13/96	586.0
		Total of all < 50 AF		90.7		90.7		90.7
		Total for District 32		12211.9		23458.7		19928.7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	AF
33	3522	Red Mesa Ward Reservoir	Hay Gulch	0.0	11/1/95	748.0	4/28/96	0.0
33	3523	Taylor Reservoir	La Plata River	85.6	5/1/96	85.6	10/31/96	85.6
		Total of all < 50 AF		0.0		0.0		0.0
		Total for District 33		85.6		833.6		85.6

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
34	3585	Bauer Reservoir No 1	Crystal Creek	107.0	11/1/95	357.0	5/1/96	125.0
34	3586	Bauer Reservoir No 2	Chicken Creek	118.8	8/2296	1145.1	5/1/96	324.5
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	1561.0	10/31/96	9980.0	5/20/96	1561.0
34	3590	L A Bar Reservoir	Chicken Creek	19.9	8/21/96	77.3	5/1/96	26.9
34	3592	Sellers & McClane Res	Mud Creek	11.7	9/11/96	52.1	5/20/96	11.7
34	3594	Weber	Middle Fork Mancos R	122.7	10/1/96	441.9	5/7/96	200.0
		Total of all < 50 AF		17.5		34.5		17.5
		Total for District 34		1958.6		12087.9		2266.6

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
69	3529	Belmar Lake Reservoir	Rincone Creek	199.3	8/29/96	366.9	11/1/95	199.3
69	3530	Dunham Reservoir	Disappointment Creek	47.6	8/29/96	78.8	11/1/96	47.6
69	3532	Morrison Reservoir	Morrison Creek	75.5	8/29/96	116.3	4/24/96	75.5
		Total of all < 50 AF		19.1		50.6		22.2
		Total for District 69		341.5		612.6		344.6

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
71	3606	Big Pine Reservoir	Lost Canyon	47.2	9/13/96	259.0	5/2/96	47.2
71	3607	Buck Pasture Reservoir	Beaver Creek	0.0	8/7/96	53.0	11/1/95	0.0
71	3610	Ethel Belmear Reservoir	Beaver Creek	69.2	10/9/96	87.3	11/1/95	69.2
71	3612	Groundhog Reservoir	Groundhog Creek	9787.0	10/9/96	20180.0	6/15/96	9787.0
71	3613	Lost Canyon Lake	Lost Canyon	75.6	11/1/95	106.2	4/22/96	106.2
71	3614	McPhee Reservoir	Dolores River	243335.0	9/13/96	368441.0	5/21/96	246013.0
71	3619	Summit Reservoir	Lost Canyon	0.0	9/25/96	4013.0	5/13/96	0.0
		Total of all < 50 AF		8.1		16.2		8.1
		Total for District 71		253322.1		393155.7		256030.7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
77	3512	Spence Reservoir	Coyote Creek	218.0	10/29/96	349.8	4/8/96	218.0
77	3696	Sappington Reservoir	Coyote Creek	170.8	10/29/96	226.8	5/17/96	170.8
		Total of all < 50 AF		15.4		15.4		15.4
		Total for District 77		404.2		592.0		404.2

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
78	3626	G S Hatcher	Stollsteimer Creek	957.6	9/3/96	1260.0	11/1/95	1209.5
78	3629	Linn and Clark Reservoir	Dutton Creek	1120.0	10/1/96	1230.0	1/3/96	1120.0
78	3633	Pargin Reservoir	Stollsteimer Creek	531.0	11/1/95	512.3	8/20/96	512.3
78	3636	Pinõn Lake	Dutton Creek	71.2	10/31/96	162.0	2/1/96	71.2
78	3642	Williams Creek Reservoir	Williams Creek	10084.0	11/7/95	10084.0	8/27/96	10084.0
78	3644	Lake Forest	Dutton Creek	364.2	10/1/96	465.0	3/8/96	372.6
78	3645	Stevens Reservoir	Dutton Creek	273.8	9/3/96	635.0	11/1/95	368.5
78	3646	Town Center Lake	Dutton Creek	190.0	10/1/96	630.0	2/20/96	235.0
78	3650	Palisade Lake	Middle Fork Piedra R	50.0	11/1/95	50.0	10/31/96	50.0
		Total of all < 50 AF		118.7		185.0		137.8
		Total for District 78		13760.5		15213.3		14160.9

1996 WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES		ESTIMATED NUMBER OF VISITS TO STRUCTURE	TOTAL DIVERSIONS (ACRE-FEET)	TOTAL DIVERSIONS TO STORAGE (ACRE-FEET)	TO IRRIGATION		
	WITH RECORD (1)	NO WATER AVAILABLE (2)	NO WATER TAKEN (3)	NO INFORMATIO AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS (ACRE-FEET)	NUMBER OF ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
29	288	12	178	12	0	3,642	73,549	0	36,680	11,130	3.30
30	883	40	399	4	0	11,027	233,857	23,125	157,027	32,022	4.90
31	210	103	156	5	0	10,362	347,479	46,492	196,260	47,775	4.11
32 *	253	7	140	57	0	7,432	52,426	12,353	270,004	66,760	4.04
33	130	67	52	2	0	6,533	19,032	815	15,681	6,686	2.35
34 **	128	7	30	27	0	2,119	35,778	8,567	29,835	11,739	2.54
46	46	5	7	0	0	884	5,916	0	3,812	936	4.07
69	22	3	10	9	0	185	6,265	62	5,339	1,405	3.80
71	126	1	64	9	0	6,798	216,559	76,393	15,286	2,128	7.18
77	101	0	36	0	0	1,975	39,647	66	9,216	1,596	5.77
78	172	13	52	3	0	2,937	24,193	911	20,828	6,109	3.41
TOTAL	2,359	258	1,124	128	0	53,894	1,054,701	168,784	759,968	188,286	4.04

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, 225,943 A.F. of which 208,312 were for irrigation.
** Total Deliveries from Dolores River Basin, Dist. 71, 290 A.F. of which 264 were for irrigation.

1996 WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
29	15	4,583	975	794	0	0	4,070	56	2,594
30	238	0	5,468	908	380	411	15,467	158	29,737
31*	42	0	908	56	6	0	3,230	40	290
32 **	0	0	5,084	5	0	0	0	7	1,440
33	0	551	1	10	0	0	0	26	2,582
34	0	0	1,062	2	0	0	6	15	4,928
46	0	0	0	0	0	448	0	1	22
69	0	0	0	0	0	0	363	0	762
71 ***	226,459	0	458	3	23	0	4,684	14	439
77	0	0	0	2	1	0	1,220	203	598
78	235	0	931	36	0	9	777	31	2,929
TOTAL	226,989	5,134	14,887	1,816	410	868	29,817	551	46,321

* Includes out of priority diversions of Transmountain Outflow from May 24, 1996 to May 27, 1996.

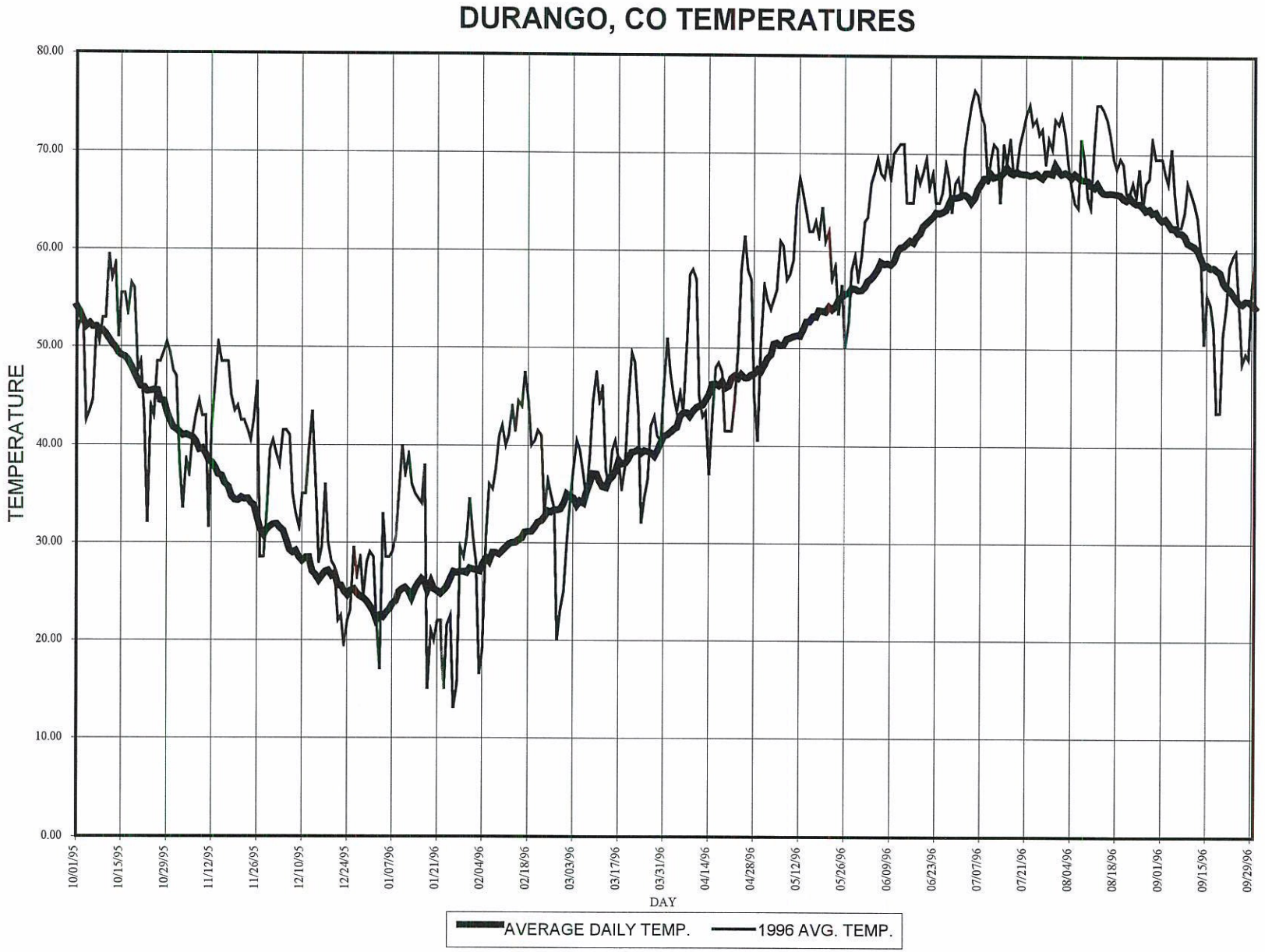
** Municipal Use in Dist. 32 delivered from Transbasin - Dist. 71.

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

1996 WATER DIVERSION SUMMARIES TO VARIOUS USES (CONTINUED)

WD	AUGMENTATION	EVAPORATION	GEOTHERMAL *	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
29	0	0	0	0	0	0	0	0	0
30	86	324	0	280	0	32,143	0	0	455
31	0	3,842	0	0	0	182,284	0	0	0
32	5	0	0	0	0	0	0	0	40,883
33	1	0	0	0	0	0	0	1	201
34	0	4	0	0	0	0	0	0	185
46	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	94
77	0	0	0	0	0	0	0	0	112
78	0	0	0	0	0	0	0	0	0
TOTAL	92	4,170	0	280	0	214,427	0	1	41,930

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


DURANGO, CO TEMPERATURES
TEMPERATURE
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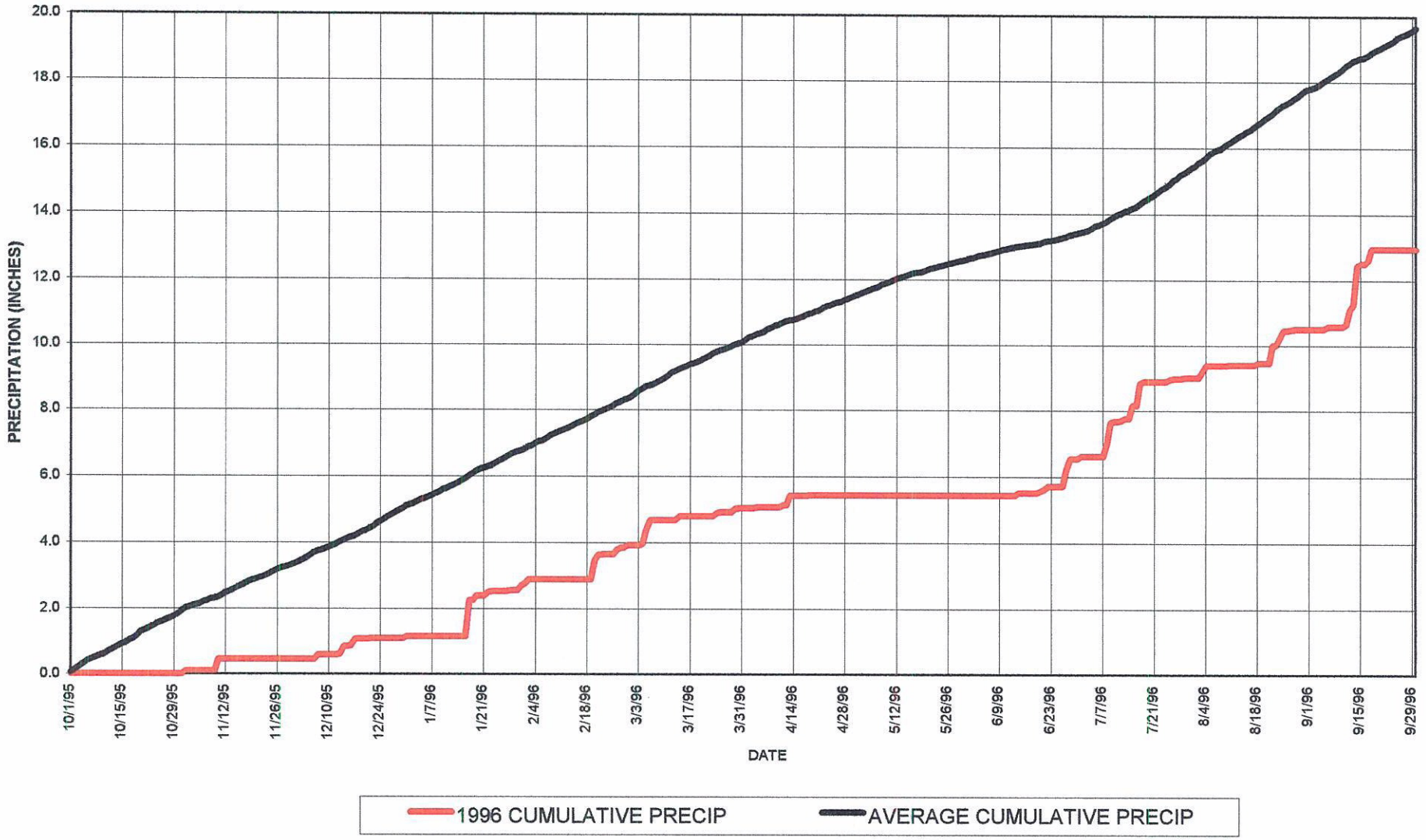
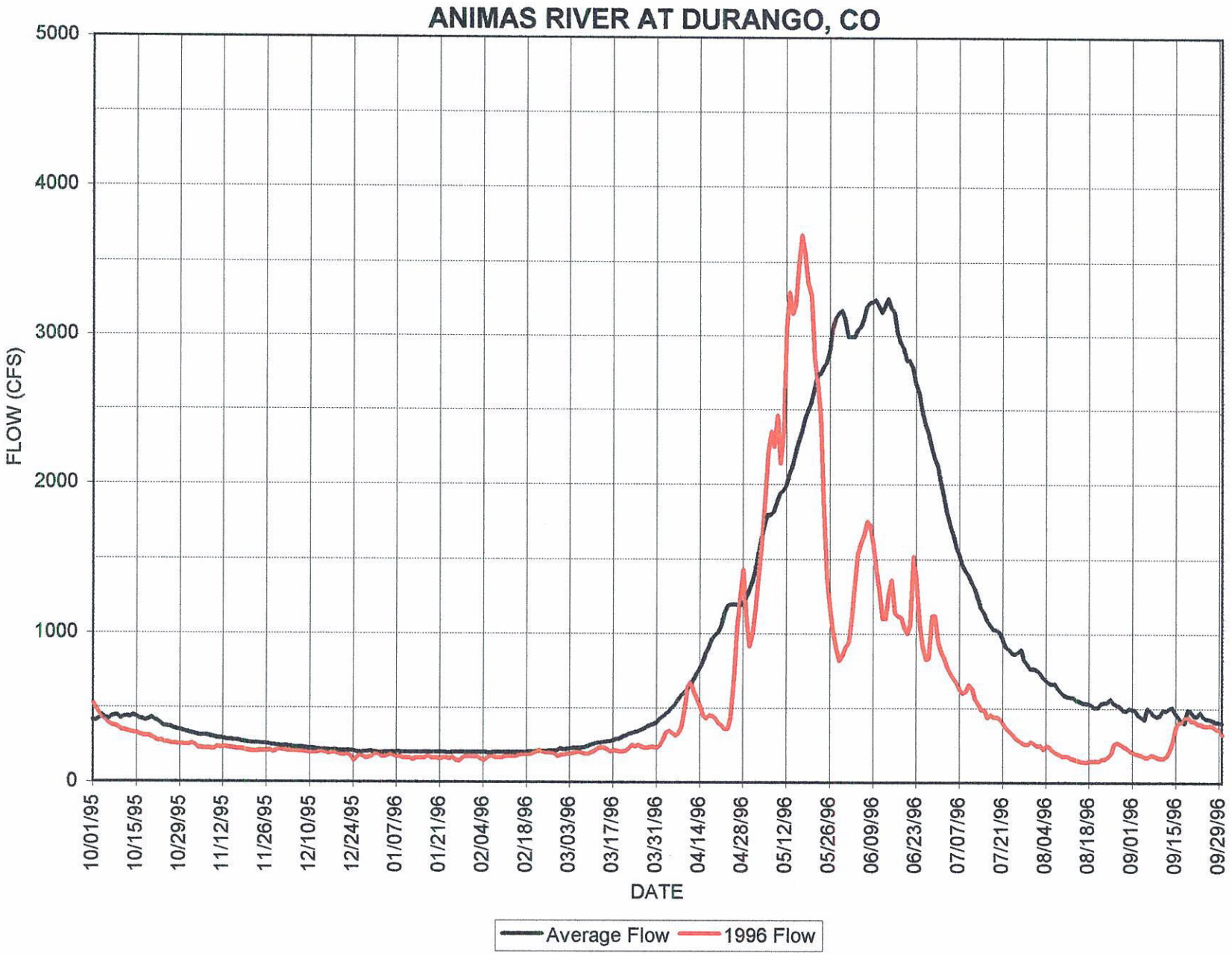
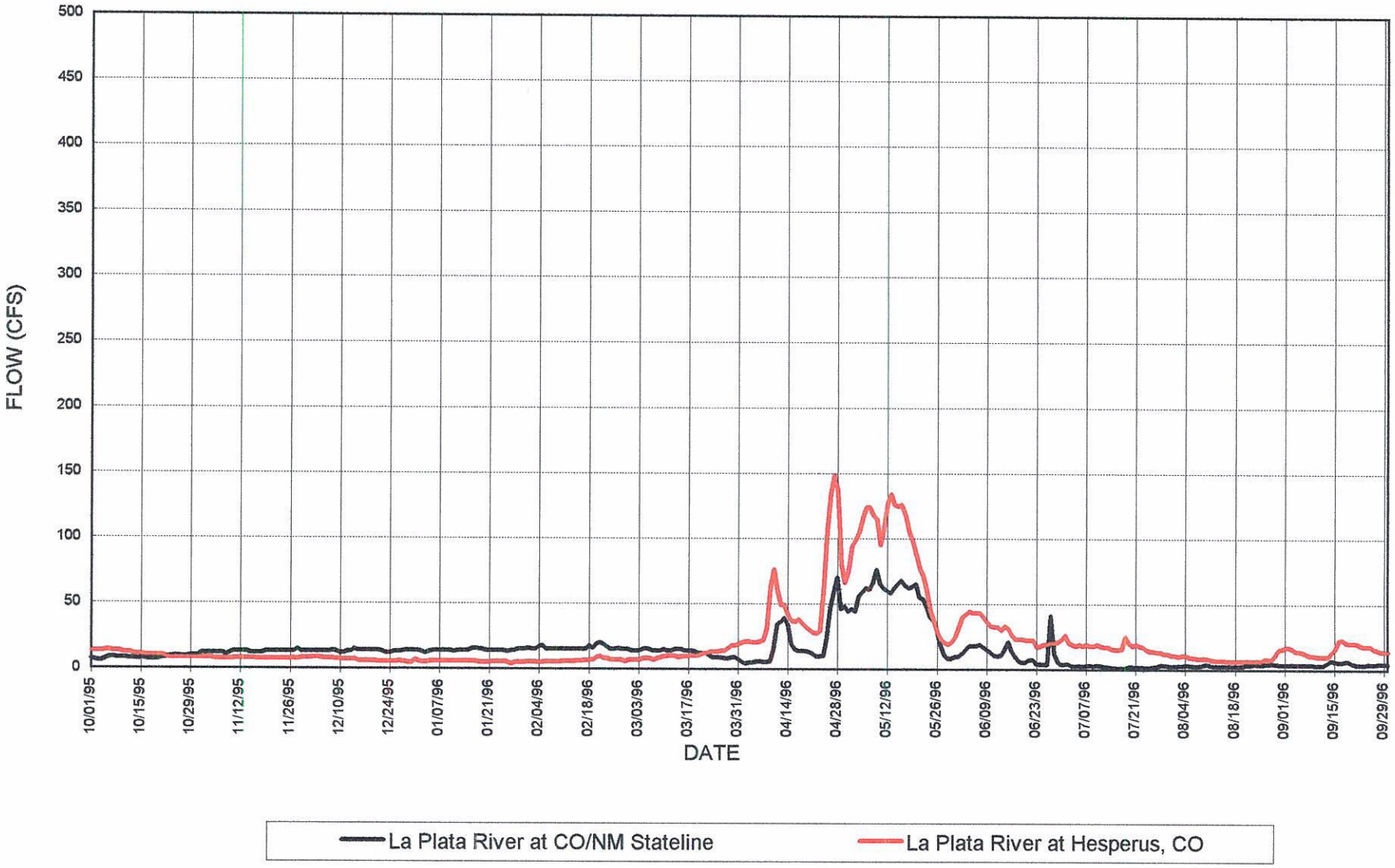
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
10/01/95
10/15/95
10/29/95
11/12/95
11/26/95
12/10/95
12/24/95
01/07/96
01/21/96
02/04/96
02/18/96
03/03/96
03/17/96
03/31/96
04/14/96
04/28/96
05/12/96
05/26/96
06/09/96
06/23/96
07/07/96
07/21/96
08/04/96
08/18/96
09/01/96
09/15/96
09/29/96
DAY
AVERAGE DAILY TEMP.
1996 AVG. TEMP.

DURANGO, CO
DAILY CUMULATIVE PRECIPITATION




ANIMAS RIVER AT DURANGO, CO
FLOW (CFS)
5000
4000
3000
2000
1000
0
10/01/95
10/15/95
10/29/95
11/12/95
11/26/95
12/10/95
12/24/95
01/07/96
01/21/96
02/04/96
02/18/96
03/03/96
03/17/96
03/31/96
04/14/96
04/28/96
05/12/96
05/26/96
06/09/96
06/23/96
07/07/96
07/21/96
08/04/96
08/18/96
09/01/96
09/15/96
09/29/96
DATE
Average Flow
1996 Flow

LA PLATA RIVER COMPACT



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

MONTH	HESPERUS STATION	LA PLATA & CHERRY CR. DITCH	PINE RIDGE DITCH	HESPERUS TOTAL	STATE LINE STATION	ENTERPRISE DITCH (NM)	PIONEER DITCH	DELIVERED STATE LINE TOTAL	REQUIRED TOTAL (1/2 HESP TOTAL*)
DECEMBER	407.0	0.0	0.0	407.0	819.0	0.0	20.4	839.4	---
JANUARY	344.0	0.0	0.0	344.0	865.0	0.0	63.9	928.9	---
FEBRUARY	372.0	0.0	0.0	372.0	914.0	0.0	0.0	914.0	---
MARCH	676.0	0.0	0.0	676.0	771.0	0.0	0.0	771.0	---
APRIL	3082.4	80.9	140.0	3303.3	1248.0	131.7	199.3	1579.0	1564.6
MAY	5321.7	1559.0	468.7	7349.4	3002.0	142.8	219.0	3363.8	3482.0
JUNE	1769.3	50.2	0.0	1819.5	725.4	116.2	129.5	971.1	923.5
JULY	1067.1	49.2	0.0	1116.3	158.7	48.6	102.2	309.5	570.3
AUGUST	520.1	0.0	0.0	520.1	211.0	4.0	9.9	224.9	255.1
SEPTEMBER	919.7	90.4	0.0	1010.1	273.7	6.0	0.0	279.7	505.3
OCTOBER	1755.4	157.3	71.8	1984.5	739.3	8.9	56.7	804.9	991.0
NOVEMBER	1021.5	1.2	87.3	1110.0	495.5	10.9	62.9	569.3	549.0
TOTALS *	28066.9	2463.3	1216.6	31746.8	14655.0	400.3	777.9	15833.2	6727.2

April 22: New Mexico placed the Compact call

May 1-9: Stateline delivery was made to meet New Mexicos benefical use needs

May 10: New Mexico request was made for 70 cfs delivery

June 22: Lower river split -- Return flows were delivered to New Mexico up to required amount.

Aug. 20-29: More water was available at stateline than was required for delivery

Aug. 1-15: Enterprise Ditch gate leakage

October 3: First attempt to run water through river channel to Stateline

October 6: Live stream was not acheived, river split resumed

October 7: Second run of water down river from Hesperus

October 11: Waters from Hesperus reached Stateline

October 21: River split, return flows delivered to New Mexico

November 1: Lower river split continued -- Return flows were delivered to New Mexico up to required amount.

* TOTALS ARE FOR PERIOD OF COMPACT CALL.

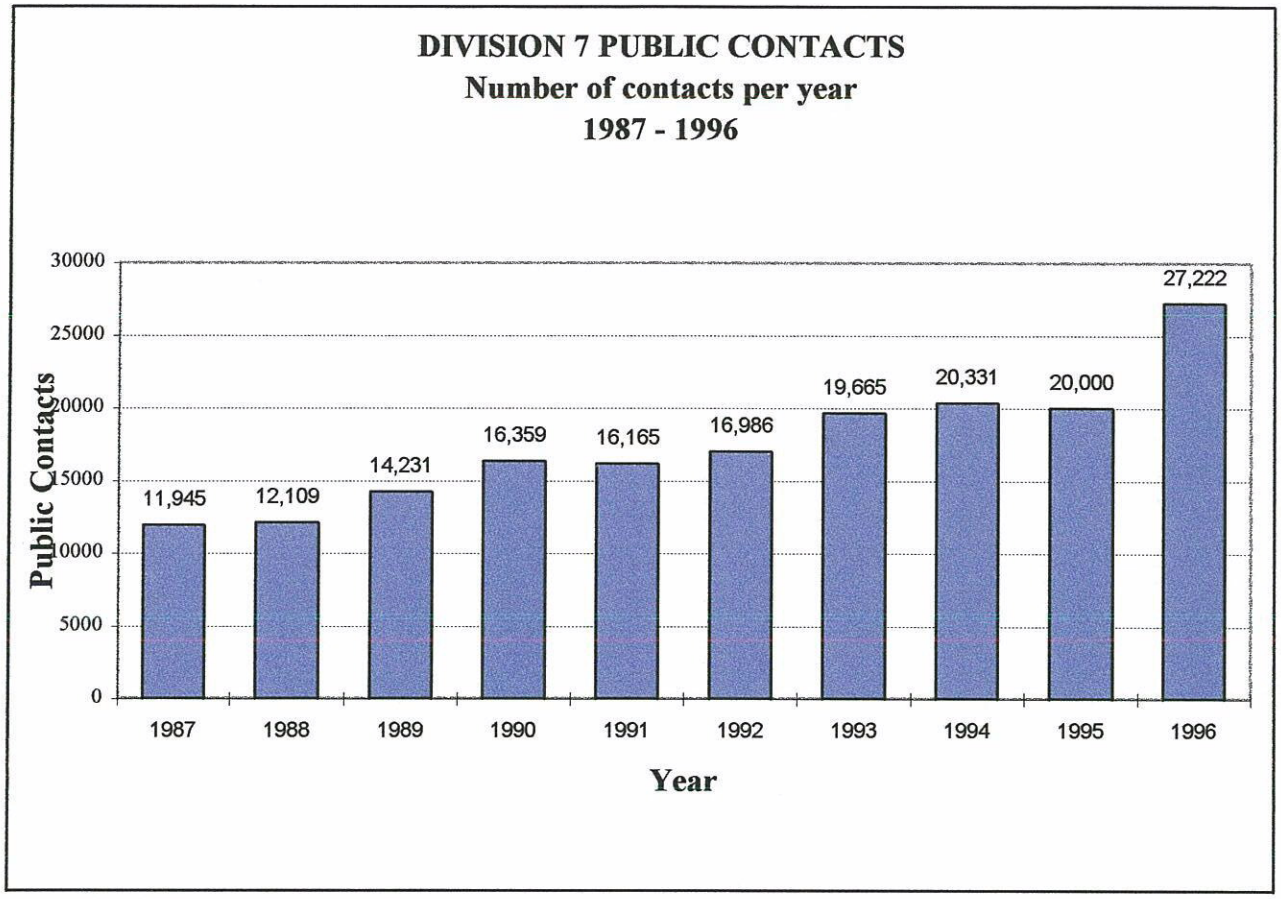
UPPER BASIN COMPACT -- SAN JUAN-CHAMA DIVERSIONS

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			
AVG.	38,449	4,554	45,780	88,782	93,524	977,914	-5.3%

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 1996

ACTIVITY	TOTAL
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	14.75
NUMBER OF DECREED SURFACE RIGHTS	106
NUMBER OF SURFACE RIGHTS ADMINISTERED	23,255
NUMBER OF WELLS	1,084
NUMBER OF PLANS FOR AUGMENTATION	1
NUMBER OF CONSULTATIONS WITH REFEREE	131
NUMBER OF WATER COURT APPEARANCES	49
NUMBER OF MEETINGS W/ WATER USERS	217
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	37
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	27,222



Annual Number of Public Contacts

1986	14271
1987	11945
1988	12109
1989	14231
1990	16359
1991	16165
1992	16986
1993	19665
1994	20331
1995	20000
1996	27222

WATER COURT ACTIVITIES

CALENDAR YEAR 1996

NUMBER OF APPLICATIONS FOR DECREES	128
NUMBER OF CONSULATATIONS WITH REFEREE	131
NUMBER OF DECREES ISSUED BY WATER COURT	93
TYPE OF DECREE:	
SURFACE WATER	61
GROUND WATER	6
RESERVOIRS	5
TRANSFER	0
ALTERNATE POINT	1
CHANGE IN USE	11
PLANS FOR AUGMENTATION	1
IN-STREAM FLOW	0
OTHER	35
NUMBER OF STRUCTURES IN DECREES:	
TYPE OF STRUCTURES:	
DITCHES	32
RESERVOIRS	6
WELLS	14
OTHER (SPRINGS, PIPELINES, PUMPS, ETC.)	67
TOTAL STRUCTURES:	119

OFFICE ADMINISTRATION FY 1996

NAME	POSITION	FY MONTHS BUDGETED	FY MONTHS WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engineer	12	12	3,605
Bruce T. Whitehead	Asst. Div. Engineer	12	12	1,444
Scott D. Brinton	Hydrographer	12	12	16,149
Frank J. Kugel	Dam Safety Engineer	12	12	11,423
Shari Gonzales	Admin. Asst. III	12	12	0

FULL-TIME EMPLOYEES IN THE FIELD

NAME	POSITION	DISTRICT			
William Baker	Eng. Tech II	32	10.5	8	5,763
Harold Baxstrom	Eng Tech II	30/Florida	12	12	15,235
Robert Becker	Eng Tech II	69, 71	1.5	1.5	1,530
Glen Humiston	Eng Tech III	32,34,69,71	12	12	17,012
J. Russell Kennedy	Eng Tech II	33	12	12	12,143
David Nelson	Eng Tech II	30/Animas	12	12	9,739
Hal Pierce	Eng Tech II	31, 46	12	12	15,429
John (Val) Valentine	Eng Tech II	29,77,78	12	12	12,719

PERMANENT PART-TIME EMPLOYEES IN THE FIELD

Robert Becker	Eng Tech I	69,71	8.5	8.5	8,856
Robert Daniels	Eng Tech I	31,46	6.5	6.5	12,360
Marty Robbins	EPS Asst II	32	1.5	1.5	2,515
Matthew Schmitt	EPS Asst II	33	4	4	5,189
Sherry Schutz	Eng Tech I	77	7.5	7.5	12,388
John Taylor	Eng Tech I	78	5	5	4,603

TEMPORARY PART-TIME EMPLOYEES IN THE OFFICE

Robert Daniels	Eng Tech I	CRDSS	1	1	0
Joanna Daniels	Eng Tech	CRDSS	2	2	0

SPECIAL NOTE:

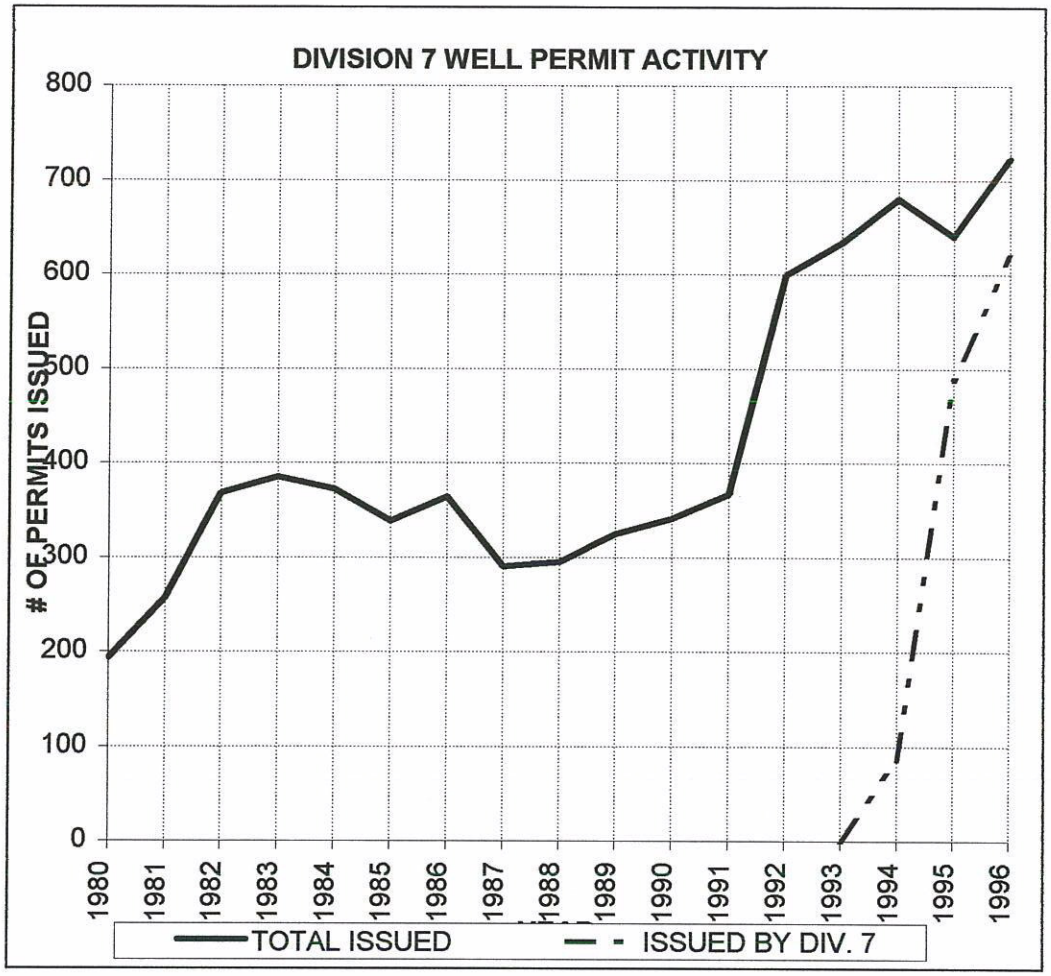
1 Man Month Converted to Overtime		1	
1 Man Month Not Used		1	
TOTAL MAN-MONTHS:	177	177	
TOTAL FTE:	14.75	14.75	
TOTAL MILES DRIVEN:			164,057

DIVISION 7
1996 RIVER CALLS

INITIAL CALLING STRUCTURE	PRIORITY No.	DATE ON CALL	MOST SENIOR CURTAILED STRUCTURE	PRIORITY No.	DATE OFF CALL	DAYS
Mesa Ditch	3	05/24/96	Mesa Ditch	3	09/24/96	123
M. O. Brown	7	05/23/96	Echo Ditch	1	09/24/96	113
Lemon Reservoir	1965-4	04/15/96	Miller Creek Ditch	Non-Decreed	10/31/96	200
Florida Farmers D.	F-84	05/01/96	Durango City PL	F-16	09/15/96	86
Animas Consolidated D.	A-41	08/20/96	Reid Ditch	68-55	08/26/96	6
Conley Ditch	E-1	05/07/96	Conley Ditch	E-1	10/04/96	150
Animas City Ditch	J-2	08/23/96	Sites Ditch	J-5	10/04/96	42
Little Cascade Creek Canal	65-9	08/28/96	LPPO Pumpsite	68-117	10/31/96	64
Vallecito Reservoir	65-R1	04/15/96	Spring Creek Ditch (Indian), Ceanaboo Ditch, Dr Morrison Ditch	P-1	10/31/96	200
Slade Ditch	50	03/08/96	Big Stick Ditch	10	06/21/96	70
Red Mesa Ward Reservoir	65-2	02/06/96	La Plata Irrig. Ditch	1	04/08/96	55
Big Stick Ditch	10	06/21/96	Hay Gulch Ditch	5	11/03/96	116
Morgan Stambaugh Ditch	55	04/03/96	Morgan Stambaugh Ditch	55	06/06/96	7
Joseph Freed Ditch	56	04/03/96	Joseph Freed Ditch	56	06/08/96	6
Joseph Freed Ditch	56	06/22/96	Old Indian Ditch	36	10/04/96	102
Weber Ditch	M-54	05/22/96	Weber,Sheek,Smith,No.6,Lee, Ratliff & Root,Henry Bolen,Frank Weston & Jarrett,Glasgow & Brewer	M-6	09/13/96	114
South Miller Ditch	307	08/19/96	Non -Decreed	Non-Decreed	10/28/96	70

BUDGET PROJECTIONS
DIVISION 7

MONTH	FY 94 -95 EXPENSES	PROJECTED FY 95 - 96	EST CUMULATIVE EXPENDITURES	FY 95 -96 EXPENSES	CUMULATIVE 95-96 EXPENSES
			(Figures in dollars)		
JULY	4,598	5,500	5,500	4,110	4,110
AUGUST	4,553	5,500	11,000	4,884	8,994
SEPTEMBER	4,060	4,500	15,500	3,939	12,933
OCTOBER	3,992	3,200	18,700	5,077	18,010
NOVEMBER	3,022	2,500	21,200	2,697	20,707
DECEMBER	2,387	2,200	23,400	2,322	23,029
JANUARY	2,024	2,200	25,600	1,622	24,651
FEBRUARY	2,200	2,200	27,800	2,532	27,183
MARCH	2,409	3,200	31,000	3,399	30,582
APRIL	2,496	3,700	34,700	3,625	34,207
MAY	5,003	5,000	39,700	4,096	38,303
JUNE	10,682	5,700	45,400	7,042	45,345
TOTAL	$47,426	$45,400	$45,400	$45,345	$45,345
			amount left->	$55	



SUMMARY OF WELL PERMITS ISSUED FOR DIVISION 7
1980 - 1995

CALENDAR YEAR	# OF PERMITS ISSUED	CHANGE FROM PREVIOUS YEAR	ISSUED BY DIVISION 7
1980	193	---	
1981	257	33.2%	
1982	368	43.2%	
1983	385	4.6%	
1984	372	-3.4%	
1985	338	-9.1%	
1986	364	7.7%	
1987	290	-20.3%	
1988	295	1.7%	
1989	325	10.2%	
1990	341	4.9%	
1991	367	7.6%	
1992	599	63.2%	
1993	634	5.8%	0
1994	680	7.3%	84
1995	640	-5.9%	488
1996	723	13.0%	619

1996 IRRIGATION YEAR SUMMARY
DISTRICT 29

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	33,694
STORAGE	0
STOCKWATER	2,594
MUNICIPAL	975
DOMESTIC	56
INDUSTRIAL	0
RECREATION	0
FISH	4,070
OTHER:COMMERCIAL,AUGMENTATION	794
TRANSMOUNTAIN-TRANSBASIN	4,588
INTERSTATE	26,778
TOTAL DIVERSIONS.....	73,549
DELIVERIES FROM STORAGE	
IRRIGATION	0
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	10
OTHER:	0
TOTAL DIVERSIONS.....	10
DELIVERIES FROM TRANSBASIN	
IRRIGATION	2,986
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	2,986
DUTY OF WATER:	
TOTAL TO IRRIGATION	36,680
ACRES IRRIGATED	11,130
ACRE-FEET DIVERTED PER ACRE	3
NUMBER OF STRUCTURES OBSERVED	482
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	5
ACTIVE DIVERSIONS-DAILY	159
-INFREQUENT STRUCTURES	119
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	12
-NOT USED (A,C,D, CODES)	178
-NO INFORMATION AVAILABLE (F CODE)	9
NUMBER OF DITCHES, SURFACE RIGHTS	318
NUMBER OF RESERVOIRS	96
NUMBER OF WELLS	78
NUMBER OF OBSERVATIONS	3,642

1996 IRRIGATION YEAR SUMMARY
DISTRICT 30

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	133,787
STORAGE	22,965
STOCKWATER	28,210
MUNICIPAL	5,468
DOMESTIC	157
INDUSTRIAL	17,160
RECREATION	411
FISH	15,467
OTHER:COMMERCIAL,RECHARGE,AUGMENTATION,etc..	740
TRANSMOUNTAIN-TRANSBASIN	238
INTERSTATE	9,254
TOTAL DIVERSIONS.....	233,857
DELIVERIES FROM STORAGE	
IRRIGATION	22,920
DOMESTIC	1
MUNICIPAL	0
STOCK	1,527
INDUSTRIAL	15,363
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,RECHARGE,etc.	159
SNOWMAKING	134
TOTAL DIVERSIONS.....	40,104
DELIVERIES FROM TRANSBASIN	
IRRIGATION	320
STORAGE	157
MUNICIPAL	0
STOCK	0
OTHER:COMMERCIAL,etc.	11
TOTAL FROM TRANSBASIN.....	488
DUTY OF WATER:	
TOTAL TO IRRIGATION	157,027
ACRES IRRIGATED	32,022
ACRE-FEET DIVERTED PER ACRE	5
NUMBER OF STRUCTURES OBSERVED	1,267
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
ACTIVE DIVERSIONS-DAILY	275
-INFREQUENT STRUCTURES*	549
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	40
-NOT USED (A,C,D, CODES)	399
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES	736
NUMBER OF RESERVOIRS	171
NUMBER OF WELLS	444
NUMBER OF OBSERVATIONS	11,027

1996 IRRIGATION YEAR SUMMARY
DISTRICT 31

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	114,490
STORAGE	46,492
STOCKWATER	290
MUNICIPAL	555
DOMESTIC	40
POWER	182,284
RECREATION	0
FISH	3,230
OTHER:COMMERCIAL	56
TRANSMOUNTAIN-TRANSBASIN	42
TOTAL DIVERSIONS.....	347,479
DELIVERIES FROM STORAGE	
IRRIGATION	81,770
DOMESTIC	0
MUNICIPAL	353
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:EVAPORATION,AUGMENTATION	3,818
TOTAL DIVERSIONS.....	85,941
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	196,260
ACRES IRRIGATED	47,775
ACRE-FEET DIVERTED PER ACRE	4
NUMBER OF STRUCTURES OBSERVED	765
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	126
-INFREQUENT STRUCTURES	375
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	103
-NOT USED (A,C,D, CODES)	156
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	415
NUMBER OF RESERVOIRS	38
NUMBER OF WELLS	321
NUMBER OF OBSERVATIONS	10,362

1996 IRRIGATION YEAR SUMMARY
DISTRICT 32

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	51,233
STORAGE	0
STOCKWATER	1,181
MUNICIPAL	0
DOMESTIC	7
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	5
TRANSMOUNTAIN-TRANSBASIN	0
TOTAL DIVERSIONS.....	52,426
DELIVERIES FROM STORAGE	
IRRIGATION	10,459
DOMESTIC	0
MUNICIPAL	0
STOCK	65
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL	0
TOTAL DIVERSIONS.....	10,524
DELIVERIES FROM TRANSBASIN	
IRRIGATION	208,312
STORAGE	12,353
MUNICIPAL	5,084
STOCK	194
TOTAL FROM TRANSBASIN.....	225,943
DUTY OF WATER:	
TOTAL TO IRRIGATION	270,004
ACRES IRRIGATED	66,760
ACRE-FEET DIVERTED PER ACRE	4
NUMBER OF STRUCTURES OBSERVED	562
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	4
ACTIVE DIVERSIONS-DAILY	186
-INFREQUENT STRUCTURES	172
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	7
-NOT USED (A,C,D, CODES)	140
-NO INFORMATION AVAILABLE (F CODE)	53
NUMBER OF DITCHES, SURFACE RIGHTS	453
NUMBER OF RESERVOIRS	20
NUMBER OF WELLS	43
NUMBER OF OBSERVATIONS	7,432

1996 IRRIGATION YEAR SUMMARY
DISTRICT 33

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	15,154
STORAGE	815
STOCKWATER	2,475
MUNICIPAL	1
DOMESTIC	26
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	10
TRANSMOUNTAIN-TRANSBASIN	551
INTERSTATE	1,293
TOTAL DIVERSIONS.....	19,032
DELIVERIES FROM STORAGE	
IRRIGATION	527
DOMESTIC	0
MUNICIPAL	0
STOCK	107
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE	1
TOTAL DIVERSIONS.....	635
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	15,681
ACRES IRRIGATED	6,686
ACRE-FEET DIVERTED PER ACRE	2
NUMBER OF STRUCTURES OBSERVED	294
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	2
ACTIVE DIVERSIONS-DAILY	49
-INFREQUENT STRUCTURES	123
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	67
-NOT USED (A,C,D, CODES)	52
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	240
NUMBER OF RESERVOIRS	16
NUMBER OF WELLS	50
NUMBER OF OBSERVATIONS	6,533

1996 IRRIGATION YEAR SUMMARY
DISTRICT 34

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	21,481
STORAGE	8,567
STOCKWATER	4,825
MUNICIPAL	890
DOMESTIC	15
RECREATION	0
FISH	0
OTHER:	0
TOTAL DIVERSIONS.....	35,778
DELIVERIES FROM STORAGE	
IRRIGATION	8,090
DOMESTIC	0
MUNICIPAL	172
STOCK	77
INDUSTRIAL	0
RECREATION	0
OTHER:FISHERY,COMMERCIAL,EVAPORATION	8
TOTAL DIVERSIONS.....	8,347
DELIVERIES FROM TRANSBASIN	
IRRIGATION	264
STORAGE	0
MUNICIPAL	0
STOCK	26
TOTAL FROM TRANSBASIN.....	290
DUTY OF WATER:	
TOTAL TO IRRIGATION	29,835
ACRES IRRIGATED	11,739
ACRE-FEET DIVERTED PER ACRE	3
NUMBER OF STRUCTURES OBSERVED	333
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	3
ACTIVE DIVERSIONS-DAILY	70
-INFREQUENT STRUCTURES	199
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	7
-NOT USED (A,C,D, CODES)	30
-NO INFORMATION AVAILABLE (F CODE)	24
NUMBER OF DITCHES, SURFACE RIGHTS	273
NUMBER OF RESERVOIRS	27
NUMBER OF WELLS	35
NUMBER OF OBSERVATIONS	2,119

1996 IRRIGATION YEAR SUMMARY
DISTRICT 46

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	3,812
STORAGE	0
STOCKWATER	22
MUNICIPAL	0
DOMESTIC	1
INDUSTRIAL	0
RECREATION	448
FISH	0
OTHER:	0
INTERSTATE	1,633
TOTAL DIVERSIONS.....	5,916
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	3,812
ACRES IRRIGATED	936
ACRE-FEET DIVERTED PER ACRE	4
NUMBER OF STRUCTURES OBSERVED	59
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	39
-INFREQUENT STRUCTURES	8
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	5
-NOT USED (A,C,D, CODES)	7
-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS	53
NUMBER OF RESERVOIRS	7
NUMBER OF WELLS	0
NUMBER OF OBSERVATIONS	884

1996 IRRIGATION YEAR SUMMARY
DISTRICT 69

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	5,180
STORAGE	62
STOCKWATER	660
MUNICIPAL	0
DOMESTIC	0
INDUSTRIAL	0
RECREATION	0
FISH	363
OTHER:	0
TOTAL DIVERSIONS.....	6,265
DELIVERIES FROM STORAGE	
IRRIGATION	159
DOMESTIC	0
MUNICIPAL	0
STOCK	102
OTHER:	0
TOTAL DIVERSIONS.....	261
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	5,339
ACRES IRRIGATED	1,405
ACRE-FEET DIVERTED PER ACRE	4
NUMBER OF STRUCTURES OBSERVED	49
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	20
-INFREQUENT STRUCTURES	7
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	3
-NOT USED (A,C,D, CODES)	10
-NO INFORMATION AVAILABLE (F CODE)	9
NUMBER OF DITCHES, SURFACE RIGHTS	35
NUMBER OF RESERVOIRS	8
NUMBER OF WELLS	1
NUMBER OF OBSERVATIONS	185

1996 IRRIGATION YEAR SUMMARY
DISTRICT 71

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	15,205
STORAGE	76,393
STOCKWATER	439
MUNICIPAL	458
DOMESTIC	14
INDUSTRIAL	23
RECREATION	0
FISH	4,684
OTHER:COMMERCIAL	3
TRANSMOUNTAIN-TRANSBASIN	119,340
TOTAL DIVERSIONS.....	216,559
DELIVERIES FROM STORAGE	
IRRIGATION	81
DOMESTIC	0
MUNICIPAL	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	106,928
OTHER:AUGMENTATION	23
TOTAL DIVERSIONS.....	107,032
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	15,286
ACRES IRRIGATED	2,128
ACRE-FEET DIVERTED PER ACRE	7
NUMBER OF STRUCTURES OBSERVED	213
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	3
ACTIVE DIVERSIONS-DAILY	62
-INFREQUENT STRUCTURES	77
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	1
-NOT USED (A,C,D, CODES)	64
-NO INFORMATION AVAILABLE (F CODE)	6
NUMBER OF DITCHES, SURFACE RIGHTS	145
NUMBER OF RESERVOIRS	18
NUMBER OF WELLS	47
NUMBER OF OBSERVATIONS	6,798

1996 IRRIGATION YEAR SUMMARY
DISTRICT 77

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	9,028
STORAGE	66
STOCKWATER	538
MUNICIPAL	0
DOMESTIC	203
INDUSTRIAL	1
RECREATION	0
FISH	1,220
OTHER:COMMERCIAL	2
INTERSTATE	28,589
TOTAL DIVERSIONS.....	39,647
DELIVERIES FROM STORAGE	
IRRIGATION	188
DOMESTIC	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
OTHER:FISH	0
TOTAL DIVERSIONS.....	188
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	9,216
ACRES IRRIGATED	1,596
ACRE-FEET DIVERTED PER ACRE	6
NUMBER OF STRUCTURES OBSERVED	125
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	74
-INFREQUENT STRUCTURES	14
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
-NOT USED (A,C,D, CODES)	36
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	106
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	13
NUMBER OF OBSERVATIONS	1,975

1996 IRRIGATION YEAR SUMMARY
DISTRICT 78

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	20,105
STORAGE	72
STOCKWATER	2,929
MUNICIPAL	0
DOMESTIC	31
INDUSTRIAL	0
RECREATION	9
FISH	777
OTHER:COMMERCIAL	35
TRANSMOUNTAIN-TRANSBASIN	235
TOTAL DIVERSIONS.....	24,193
DELIVERIES FROM STORAGE	
IRRIGATION	343
DOMESTIC	0
MUNICIPAL	931
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL	1
TOTAL DIVERSIONS.....	1,275
DELIVERIES FROM TRANSBASIN	
IRRIGATION	380
STORAGE	839
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	1,219
DUTY OF WATER:	
TOTAL TO IRRIGATION	20,828
ACRES IRRIGATED	6,109
ACRE-FEET DIVERTED PER ACRE	3
NUMBER OF STRUCTURES OBSERVED	234
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	2
ACTIVE DIVERSIONS-DAILY	87
-INFREQUENT STRUCTURES	79
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	13
-NOT USED (A,C,D, CODES)	52
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	160
NUMBER OF RESERVOIRS	58
NUMBER OF WELLS	27
NUMBER OF OBSERVATIONS	2,937