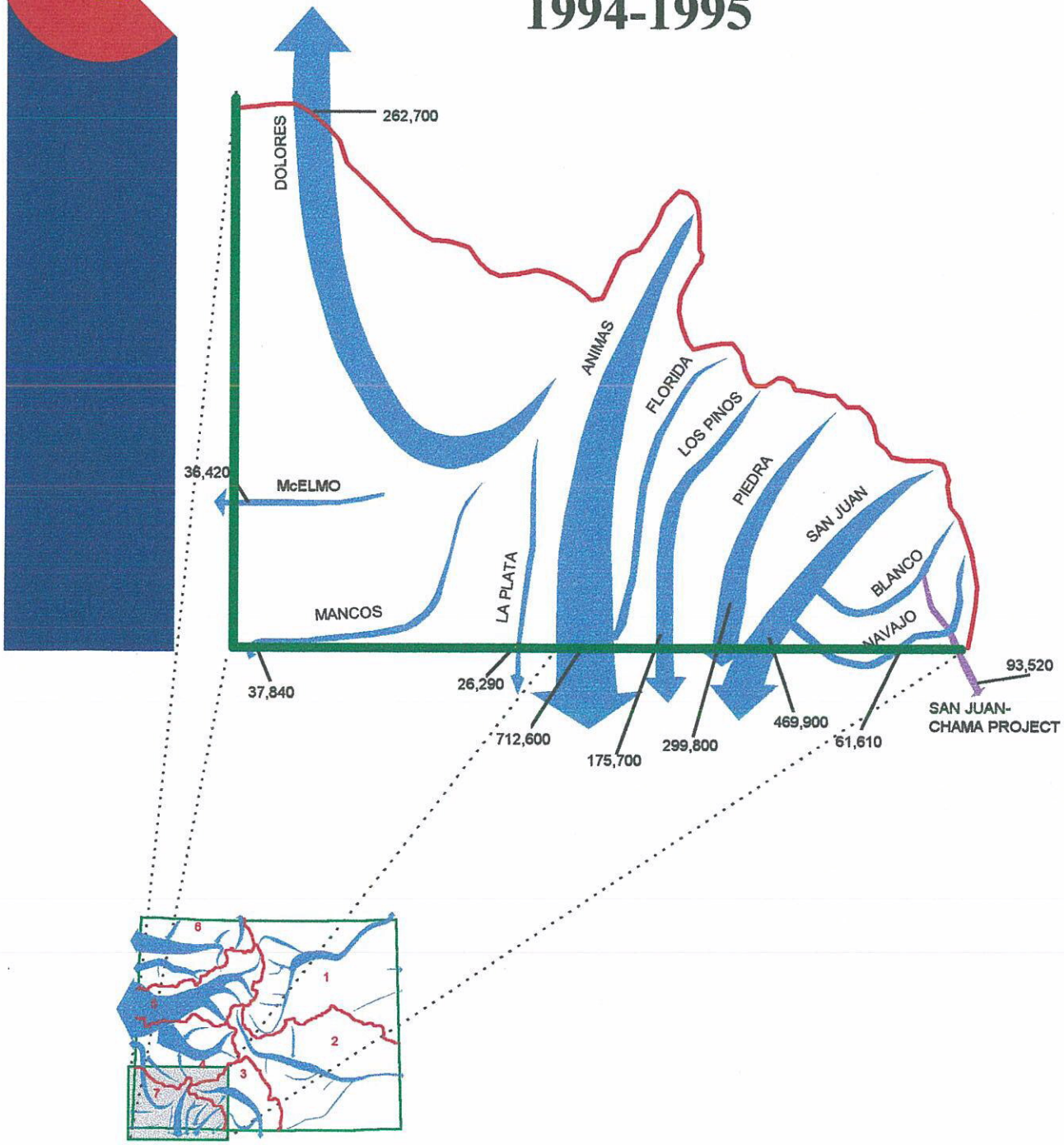
DIVISION OF WATER RESOURCES
DIVISION VII ANNUAL REPORT
1994-1995



Ken Beegles
Division Engineer

copy for
Will Burt,
Deputy State Engineer

INDEX

A. CURRENT WATER YEAR

The current year, 1995, witnessed a remarkable runoff season. The snowpack developed early, but the dry months of February and March led to expectations of near normal conditions. General snowstorms across the area in April and May, including one with 3.11 inches of water the first week of April, led to increasing percentages of snow pack. These storms were accompanied by extraordinarily cool weather. The snowmelt and runoff were delayed due to the hardpack conditions that had developed. Runoff predictions were continually revised as percentages of normal snow in lower areas rose to more than 1000% and the higher elevations rose to 140% - 200% of normal. The runoff expected in June occurred in July. The peak flows on local streams, the La Plata River at Hesperus (June 14) and the Animas River at Durango (June 17), were among the latest experienced on Southwestern Colorado streams during the period of record.

The late runoff enabled streams with reservoirs to fill late and allowed ditches to utilize much of the runoff. Summer precipitation was limited, which led to heavy releases of reservoir storage for irrigation demands. The combination of late season warmth and dry weather extended the irrigation season into early November 1995. A few ditches were still running as much as a month later. Totals for irrigation use in most areas exceeded those of the past ten years, including the very high year of 1993.

Many streams were under administration for short periods. The reservoirs were managed to release water at a controlled pace, thereby keeping the streams supplied with enough water for irrigation needs. Elbert Creek was severely curtailed, but not for the duration of time experienced in 1994. The Mancos River was administered for only a short period of time. Although late summer flows in the La Plata River were quite low, groundwater and wastewater returns made up the demands for the La Plata River Compact and accommodated ditch use on the lower reach.

The annual cumulative precipitation in Durango was 26.53 inches, which was 133% of normal. The timing of the precipitation is more telling than the year-end average. The accompanying graphs show the relative occurrence of precipitation.

1. ACCOMPLISHMENTS

The office experienced near-constant and demanding customer activity or user involvement during the year (See graph on page 33). Several of the significant achievements are listed below.

a. Pine Ridge Ditch The Pine Ridge Ditch Case (93CW08) and associated issues involving the Durango Lakes Water Company were addressed in part this year. The resolution of the case determined how the ditch would operate, and allowed the State Engineer as well as private users on the ditch to plan for the anticipated average supply. New flumes were installed at the headgate and at the inlet to Johnson Reservoir. Municipal water service was extended to area homes. The system promised to be an alternative to the many wells that either have diminished in production or have poor drinking quality. Many issues remain, and subsequent water court filings will continue to need to be negotiated in order for more water to be changed to these commercial and domestic uses.

b. La Plata River Compact The Compact was met or exceeded throughout the year (see page 30). The late season requirements were met by return flows that were generated from Long Hollow and Cherry Creek. An informal meeting held during June with New Mexico water users led to a better understanding of the compact requirements and why the river was operated as it was. Reductions in delivery amounts were made during April, May and June to assure that wastewater did not reach the confluence with the San Juan River. A proposed enlargement of Red Mesa Ward Reservoir was of particular interest to local residents as well as developers. This enlargement would double the current reservoir capacity. Applications were being submitted for federal review and feasibility analyses were being planned to determine the viability of proceeding with the enlargement.

c. Dolores Water Conservation District Several key events occurred on the Dolores Project. Perhaps the most significant was the transfer of project facilities and operations to the District from the U.S.B.R.. The negotiated settlement allowed the District and the Ute Mountain Indian Tribe to complete the construction requirements. The settlement also provided a guaranteed storage pool of fishery water to allow the managed release of 33,200 acre feet for a future downstream fishery agreement. A general district election allowed the DWCD to re-purchase water from municipalities for other uses. At year's end, the long awaited plan of exchange and augmentation for the coverage of junior ditch use and new domestic or commercial well construction was filed in Division 7 Water Court. Water from the Towaoc Canal was applied to irrigation in significant quantities this year and Satellite Monitoring equipment was installed on the ditch. Past construction problems, maintenance difficulties and a few new construction programs remain as issues or goals to be addressed by the Dolores Water Conservancy District.

d. Well Inspection Program The Division Seven staff adapted admirably to the program of well driller notification of well construction. Despite initial protests, the staff found that the awareness of drilling activity in their area was beneficial. Field inspections were performed on 42% of wells for which we received notification by the end of August. Numerous violations were found and reported. No enforcement actions were initiated as a result of these observations. A significant amount of time was required by the staff in

coordination, as well as through travel and/or search for the wells that were expected to be found.

e. Well Pilot Program Division 7 assumed the responsibility for the permitting of exempt wells under the pilot program developed by the Quality Management Team. The procedures that were adopted became routine and all who were involved were pleasantly surprised how smoothly and efficiently the program worked. Our office issued 488 permits in 1995. This represents 76% of the total well permits issued for Division Seven. Other Division offices are planning to issue well permits during the next year.

f. Mesa Verde Water Rights Claims Water rights filed by the National Park Service moved a step closer to being finalized at Mesa Verde and Hovenweep. A compromise value for instream flow requirements on the Mancos River was presented and spring claims at Hovenweep were not contested. However, revised spring flow claims at Mesa Verde were modified by the Park Service and found to exceed 400 gpm in some claims. The Division Engineer insisted on field inspections of several of these sites. During a meeting in September, officials from both agencies agreed that numbers could be revised to a lessor amount. A new draft decree was to be prepared as a result.

g. Tribal Water Rights A concerted effort was made by office staff and water commissioners from the Pine River and Mancos Drainage to persuade the two Ute tribes to keep records of diversions. We also requested that they notify us of construction of ponds and wells on the reservation. After several meetings and letters with the Indian representatives from Ignacio we were successful. An agreement was reached with Tribal Chairman Leonard Burch and people from the Tribal Natural Resources and Wildlife Departments. Records of stock use and domestic well use were presented and an entire well permitting program initiated for the Southern Utes. The Ute Mountain was initiated after a Colorado well driller was discovered drilling a well near Towaoc without a permit. The discussion resulted in tribal officials reviewing the commitments made in the Settlement Agreement. They then agreed to provide us with the same data requested of the Southern Utes. In return, this office prepared program material to assist in this effort. In general, the relationship between both tribes and water officials was excellent at the years' end. Also, there were efforts made to address safety concerns at Lake Capote Dam (see Dam Safety section). We finally obtained an Emergency Preparedness Plan from the Southern Ute tribe.

h. Augmentation Plans Most active augmentation plans were administered according to decrees and permits this year. One plan that has been in the process of adjustment for three years was finally filed and signed. The Los Ranchitos subdivision now has enough water to include several stream-side lots, which had incorrectly been issued well permits for several years. Another plan, Mountain Valley Ranch, 92CW61, was approved after the longest

water court trial in Division Seven in several years. However, the developer was more eager to sell lots than to complete an adequately designed pond and a means to convey augmentation releases to the river. Permits were refused until the necessary effort was made to comply with this requirement.

i. Ponds Numerous ponds were constructed in Division Seven. Since many were in non-critical areas, and there are no enforcement provisions under the notice requirement 37-87-125, these ponds could not be regulated. In the case of poor construction or complaints by downstream residents, action was taken and corrections were ordered. No litigation was required.

j. Geothermal-Pagosa Springs Small group sessions were held that finally realized some agreement by the parties involved. These meetings were held without the presence of attorneys and concentrated on resolution of the issues rather than past grievances. A plan was initiated by the Division Engineer that would allow service through a pipeline from the Pagosa Springs PS-3 well effluent. A pipeline company could then be formed to provide a structure for administering the effluent to parties on the east side of the San Juan River. This idea was accepted by the key users. When the Lynn Spring was subsequently purchased by the owners of the Pagosa Spa Hotel (PSRC), a major complication was temporarily avoided. Still, several issues remained to be worked out in this interim step toward the ultimate goal of forming an independent geothermal management district.

k. Subdivision Review & DWR/County Relations The crisis in subdivision review was relieved by the State Engineer's efforts in dealing with La Plata County officials. During a meeting held with commissioners the role of the State Engineer in determining water supplies for subdivisions was clarified. This was shortly after the Artesian Valley Master Plan was approved and emotions were still tense among the local residents. However, both the state and division offices reduced involvement with the details of proposed water supply plans. The exception was in the review of larger subdivision developments such as the Pine Ridge Ditch supply for Lake Durango Water Company. The recent approval of 93CW08 helped to assure increased supplies to users in the Animas Drainage west of Durango. After the division office stopped commenting on Minor Exemption Subdivision proposals, the pressure on office resources was relieved greatly. MES requests appeared to drop significantly at year's end. Also, La Plata County developed its own water adequacy standards that required developers to carry out tests on groundwater supplies before proceeding with subdivision development

l. CRDSS The CRDSS Program continued with modeling of streams and checking of diversion records. The acreage under the Dolores Project was finally defined. This was the third year of a five-year program. Acquisition of field hardware for use by the water commissioners was made, and training was provided. This left the office with computing capabilities at the highest level experienced to date.

m. Strategic Plan Efforts were made to compile data showing the status of diversion structure reports. Recommendations were developed based on the information received concerning new structure installation orders. Although the records showed that over 98% of the structures were being read, a plan for improvement in reporting these numbers was presented for the report due at the year's end. Projects and problems that were not totally addressed are listed as follows:

- resolution of the winter stockwater case in the La Plata Drainage
- means of dealing with pond construction activated in Division Seven
- Elbert Creek administration
- the Water Court backlog
- initiating well permitting procedures by the tribes.

These will be discussed further in the "Upcoming Year" section of this report.

Dam Safety Dams were inspected according to the normal schedule, with follow-up visits made when necessary. All Class II dams were inspected this year. Pargin Dam, located on the Southern Ute Indian Reservation, continues to be a concern. This is a Class II structure that cannot pass the 100-year flood. The outlet valve, located at the center of the dam, has been inoperable for more than 20 years. Since Pargin is a tribal dam, our office cannot restrict storage or order repairs. The Tribe and the Bureau of Indian Affairs are both eager to repair the dam, but budgetary constraints remain the primary obstacle. Recent dialogue with the Tribe has indicated that funding may become available in 1996.

A pilot hydrology project is underway in Division 7. Research is underway to determine whether site-specific hydrology studies can safely allow additional reservoir storage by raising spillways. Our office is assisting a local consultant in evaluating Groundhog Reservoir. Other reservoirs may be studied to determine the feasibility for increasing reservoir storage.

Hydrographic Report Streamflow was well above normal for the year. Streamflow records for the 1994 Water Year were completed and delivered to the chief hydrographer for publication. Five records were published by the USGS and thirteen were published in the Colorado Division of Water Resources yearly publication. Twelve additional records were

worked up for the annual diversion report. Forty-nine historic records were completed for the Division of Water Resources Historic Streamflow Publication.

The Division 7 hydrographer made 157 river measurements and 28 ditch measurements this year. Water commissioners and engineers in Division 7 made 67 river measurements and 63 ditch measurements.

A new gaging station and a bank-operated cableway were built and installed at the Navajo River at Banded Peak Ranch. A bank-operated cableway was installed at the Florida River below Lemon Reservoir to replace a deteriorated cableway. The La Plata River compact gage at the Pine Ridge Ditch was replaced with a recycled shelter to allow for a more secure environment for the recently installed satellite monitoring equipment. The satellite monitoring system setup for the Dolores Project Great Cut Dike Diversion was totally revamped with the assistance of the western slope satellite monitoring repairman, Scott Veneman from Division 3. The Dove Creek Canal was added to the satellite monitoring system. A data collection platform was installed for two meters on the Towaoc Canal at the energy dissipation structure. Numerous measurements were made at a new U.S.B.R. ramp flume on the Lone Pine Canal at the Highway Bridge. All of the measurements plotted within one percent of the theoretical rating of the flume.

2. BUDGET

Division Seven finished the fiscal year within 1% of the budgeted amount of operating funds. Less travel was needed this year because of late season snowstorms and the correspondingly late start of irrigation. Overtime allocations were sufficient for the needs of commissioners. Since streams went on call later, overtime requirements were less than usual. However, reductions for the upcoming year led to concern about managing demand for administration time in a dry year. The Division utilized all state vehicles in the field and further reduced demand for travel. The travel allocation for the coming year was then reduced by the credited amount the previous year. Some areas such as Dam Safety spent more than the amount budgeted and were covered by other budget reductions.

3. PERSONNEL CHANGES THAT AFFECTED DIVISION SEVEN

There were no personnel changes in Division Seven, with 15.25 FTE working this year. One temporary employee worked under the CRDSS program and three months were assigned to a water commissioner under the same program. Progress and recognition following the new management plan were used with success. The continued pressure for public assistance kept office personnel busy and in need of uninterrupted work time to accomplish other functions. The public was served to the best of everyone's ability during the time management effort.

4. ISSUES NOT ADDRESSED

The winter stockwater issue on the La Plata River has yet to be satisfactorily addressed. The US Forest Service continued to operate a well near Vallecito without a permit despite orders from this office. Monitoring hole follow-ups were not being made yet. Division Seven was unable to be as active as desired in inter-agency groups or in the water quality planning groups.

B. UPCOMING YEAR

Inter-divisional/Interstate

Federal/Tribal or interstate issues will continue as follows:

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

2. The continued development of the Animas-La Plata Project will continue to be an issue that will be at a crossroads this year after the supplemental EIS is released. The time may be right for completion. Otherwise, continuation of litigation, initiated by environmental organizations, could further delay that construction.

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 insufficient supplies are satisfied.

4. The Rio Blanco study group may be reactivating for pursuit of a solution to past diversionary damage caused by the San Juan Project diversions.

5. The Pine River US Forest Service office continues to test our response to their well drilling activity without a permit above Vallecito Reservoir.

Division 7 Issues

Following are some of the Division Seven issues that will be addressed this year:

1. Approval of substitute supply plans on the Dolores and Pine Rivers 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. Accompanying this is the need to determine the status of the claimed winter stock use decreed to ditches and the resulting anticipated storage capabilities of the reservoir under that constraint.

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.

Personnel Issues

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

2. Staffing distribution and recruiting will be in the foreground of office operations if additional FTE are approved at the state level.

3. The Division expects to produce a timely, complete, and accurate tabulation for publication this year.

4. There will be some attention paid to following or monitoring well notification and in finding problems resulting from pond construction.

C. FUTURE ISSUES

An upcoming water administration concern is the issue of increased municipal storage on an over-appropriated stream. An example of this is the proposed enlargement of the Durango City Pipeline. This pipeline diverts water from the Florida River for municipal use in the Animas River drainage. The increased diversions would therefore be a complete loss to the Florida system. Compounding the problem is the pipeline easement agreement between the City of Durango and landowners. As part of the agreement, affected landowners were issued unmetered water taps into the pipeline. Recently, a landowner constructed a pond to be filled

from a pipeline tap. This expansion of use is being examined to see whether it is acceptable under the current decree.

Other water issues our office may need to face are as follows:

1. Allocation of Colorado's La Plata River water to New Mexico/Colorado users at the state line.

2. Administrative practices that are disputed on Elbert Creek.

3. Crystal Creek Ditch administration on the Mancos River Drainage.

4. Subdivision water use administration and enforcement on the Florida River.

5. Measurement of Indian water into non-decreed areas on the Pine River.

6. Development of centralized, rural water systems in La Plata County.

7. Methane contamination in the groundwater supplies may remain an issue in La Plata County.

8. Pond construction on private parcels will continue to be an issue.

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. Interpretation of Kuiper vs. Bohn

G. Groundwater Case Law

H. FLSA

I. Groundwater Regulations and Policies

J. Changing growth trends in the State

K. Colorado River Storage Act

L. Public Trust Doctrine Initiatives

These are some of the more significant issues that could affect, influence or alter the mode of water administration operations. Each one could potentially impact the historic approach to water rights development and use in Colorado. This office will continue to serve, to the best of its ability, the needs of the public and fulfill the mission of the agency.

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

La Plata County-Florida Mesa Study Group

Animas River Water Quality Study

Pine River Irrigation District

Geothermal Users Group-Pagosa Springs

Southwestern Interagency Council

San Juan Water Conservancy District

Water Information Program

State Organizations

Training Steering Committee

Quality Management-Groundwater Permitting

CRDSS Planning

Computer Operations-Study Committee

Division of Water Resources-Employee Council

Other meetings were attended as necessary with Durango and Ignacio town boards and ditch companies. School programs were conducted where requested. Water exhibits were scheduled for water festivals in two locations for the coming year. County planning districts also requested assistance in water information. State water officials assisted where possible in resolving ditch controversies or informing newcomers of practices and requirements under Colorado statutes. The office continues to be active in public affairs, providing a valuable educational resource for local residents.

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	175.14	34.8	0	0	20	921	RIO GRANDE
30	4660	CARBON LAKE DITCH	ANIMAS RIVER	266.7	97.4	196	77	68	692	UNCOMPAHGRE RIVER
30	4661	MINERAL POINT DITCH	ANIMAS RIVER	122.5	53.2	179.4	63	68	609	UNCOMPAHGRE RIVER
30	4662	RED MOUNTAIN DITCH	ANIMAS RIVER	34.41	42.8	56.6	56	68,41	604,549	UNCOMPAHGRE RIVER
31	4638	PINE RIVER-WEMINUCHE PASS D.	PINE RIVER	542.4	76.4	640.9	102	20	919	RIO GRANDE
31	4637	WEMINUCHE PASS DITCH	PINE RIVER	1,082.2	54.5	0	0	20	922	RIO GRANDE
78	4672	WILLIAMS CREEK-SQUAW PASS D.	PIEDRA RIVER	312.8	62.9	374.8	97	20	923	RIO GRANDE
78	4670	DON LA FONT #1 (S RIVER PEAK)	PIEDRA RIVER	59.24	45.8	0	0	20	917	RIO GRANDE
78	4671	DON LA FONT #2 (PIEDRA PASS D.)	PIEDRA RIVER	278.7	78.8	38.4	20	20	918	RIO GRANDE

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	127.4	11/1/94	205.5	6/27/95	188.9
29	3654	Echo Canyon Reservoir	Echo Creek	2,148.8	11/1/94	2,148.8	10/30/95	2,148.8
29	3644	Borns Lake Reservoir	West Fk. San Juan R.	67.8	11/30/94	67.8	10/31/95	67.8
29	3682	Thomas Reservoir	San Juan River	0.0	8/1/95	56.0	10/1/95	56.0
		Total of all < 50 AF		136.0.		157.1		152.1
		Total for District 29		2,480.0		2,635.2		2,613.6

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	11/1/94	131.0	10/31/95	131.0
30	3536	Cascade	Elbert Creek	8,547.0	5/7/95	23,385.0	7/5/95	19,365.0
30	3540	Haviland Lake	Elbert Creek	518.5	9/1/95	526.0	11/1/94	526.0
30	3546	Ice Lake	Elbert Creek	408.0	10/31/95	416.0	11/1/94	408.0
30	3547	Keeler Lake	Elbert Creek	483.0	8/10/95	488.0	11/1/94	488.0
30	3548	Lake of the Pines	Little Cascade Creek	114.0	11/1/94	114.0	10/31/95	114.0
30	3560	Turner Ponds	Animas River	0.0	2/23/95	84.0	11/1/94	84.0
30	3561	Turner Reservoir	Waterfall Creek	356.0	3/15/95	472.0	5/ 9/95	413.0
30	3576	Florida Canal and Res	Florida River	343.2	11/1/94	431.5	5/1/95	343.2
30	3581	Lemon Reservoir	Florida River	16,207.0	5/31/95	39,705.0	7/21/95	20,168.0
30	3622	Henderson Lake	Animas River	58.0	11/1/94	58.0	10/31/95	58.0
30	3625	Naegelin Lake	Junction Creek	220.0	11/1/94	300.0	4/25/95	240.0
30	3630	Twilight Lake	Purgatory Creek	0.0	8/18/95	60.0	11/ 1/94	60.0
30	3707	Johnson Reservoir	Coal Creek	889.0	11/1/94	1,136.0	3/27/95	915.0
30	3724	Johnson Lake #2	Wildcat Canyon	110.0	11/1/94	150.0	3/27/95	110.0
		Total of all < 50 AF		287.0		348.8		320.0
		Total for District 30		28,370.2		67,503.8		43,441.7

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	42,007.7	5/15/95	123,548.7	7/11/95	71,960.8
31	3617	Wommer Reservoir	Little Bear Creek	160.0	11/1/94	186.0	4/17/95	165.0
31	3805	Gosney Gravel Pit	Pine River	135.0	11/1/94	135.0	10/31/95	135.0
		Total of all < 50 AF		0.0		0.0		0.0
		Total for District 31		42,302.7		123,869.7		72,260.8

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	1,755.0	1/16/95	3302.0	11/1/94	2,169.0
32	3602	Narraguinnep Reservoir	Transbasin Water	8,770.0	11/1/94	18,098.0	7/31/95	16,155.0
32	3603	A M Puett Reservoir	Transbasin Water	586.0	11/1/94	2,323.0	7/14/95	736.0
		Total of all < 50 AF		90.7		90.7		90.7
		Total for District 32		11,201.7		23,813.7		19,150.7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
33	3522	Red Mesa Ward Reservoir	Hay Gulch	0.0	11/20/94	1,176.0	3/3/95	0.0
33	3523	Taylor Reservoir	La Plata River	85.6	5/1/95	85.6	10/31/95	85.6
		Total of all < 50 AF						
		Total for District 33		85.6		1,261.6		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	11/1/94	357.0	4/25/95	107.0
34	3586	Bauer Reservoir No 2	Chicken Creek	402.1	11/1/94	1,532.0	4/17/95	502.1
34	3589	Jackson Gulch Reservoir	West Fork Mancos R	2,380.0	11/1/94	9,948.0	6/11/95	4,487.0
34	3590	L A Bar Reservoir	Chicken Creek	13.8	11/1/94	73.3	6/2/95	43.4
34	3592	Sellers & McClane Res	Mud Creek	7.3	11/1/94	52.1	4/4/95	41.5
34	3594	Weber	Middle Fork Mancos R	27.0	11/1/94	441.9	5/9/95	145.1
		Total of all < 50 AF		39.1		116.3		73.3
		Total for District 34		2,976.3		12,520.6		5,399.4

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	176.6	11/1/94	405.8	6/22/95	366.9
69	3530	Dunham Reservoir	Disappointment Creek	54.1	11/1/94	78.6	5/11/95	54.1
69	3532	Morrison Reservoir	Morrison Creek	94.8	10/31/95	116.3	5/11/95	94.8
		Total of all < 50 AF		34.5		50.6		36.9
		Total for District 69		360.0		651.3		552.7

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	57.0	9/8/95	259.0	3/13/95	57.0
71	3607	Buck Pasture Reservoir	Beaver Creek	13.8	11/1/94	53.0	5/11/95	53.0
71	3610	Ethel Belmear Reservoir	Beaver Creek	67.6	11/1/94	87.3	5/11/95	87.3
71	3612	Groundhog Reservoir	Groundhog Creek	12,710.0	11/1/94	20,635.0	7/17/95	15,940.0
71	3613	Lost Canyon Lake	Lost Canyon	48.2	11/1/94	106.2	3/20/95	75.6
71	3614	McPhee Reservoir	Dolores River	265,995.0	11/1/94	382,147.0	7/1/95	313,585.0
71	3619	Summit Reservoir	Lost Canyon	769.0	11/1/94	4,578.0	6/6/95	1,166.0
		Total of all < 50 AF		12.0		16.2		12.2
		Total for District 71		279,672.6		407,881.7		330,976.1

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	293.2	10/12/95	441.0	6/5/95	293.2
77	3696	Sappington Reservoir	Coyote Creek	217.8	9/17/95	320.0	5/23/95	217.8
		Total of all < 50 AF		15.4		15.4		15.4
		Total for District 77		526.4		776.4		526.4

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR	SOURCE STREAM	AMOUNT IN STORAGE (AF)				
				Minimum		Maximum		End of Year
				AF	Date	AF	Date	
78	3624	Dunagan Reservoir	Stollsteimer Creek	10.0	11/1/94	93.4	5/18/95	10.0
78	3626	G S Hatcher	Stollsteimer Creek	1,175.0	3/1/95	1,735.0	4/1/95	1,260.0
78	3629	Linn and Clark Reservoir	Dutton Creek	1,158.0	11/1/94	1,230.0	2/27/95	1,177.6
78	3633	Pargin Reservoir	Stollsteimer Creek	531.0	11/1/94	531.0	10/31/95	531.0
78	3636	Pinõn Lake	Dutton Creek	107.5	7/3/95	162.0	2/27/95	125.0
78	3642	Williams Creek Reservoir	Williams Creek	10,084.0	11/1/94	10,084.0	10/31/95	10,084.0
78	3644	Lake Forest	Dutton Creek	396.1	10/30/95	465.0	2/27/95	396.1
78	3645	Stevens Reservoir	Dutton Creek	537.0	9/1/95	635.0	11/1/94	635.0
78	3646	Town Center Lake	Dutton Creek	362.5	11/1/94	630.0	2/27/95	517.4
78	3650	Palisade Lake	Middle Fork Piedra R	50.0	11/1/94	50.0	10/31/95	50.0
		Total of all < 50 AF		105.2		147.0		109.7
		Total for District 78		14,516.3		15,762.4		14,895.8

1995 WATER DIVERSION SUMMARIES

WD	STRUCTURES REPORTING			ALL OTHER STRUCTURES		ESTIMATED NUMBER OF VISITS TO STRUCTURE	TOTAL DIVERSIONS (ACRE-FEET)	TOTAL DIVERSIONS TO STORAGE (ACRE-FEET)	TO IRRIGATION		
	WITH RECORD (1)	NO WATER AVAILABLE (2)	NO WATER TAKEN (3)	NO INFORMATION AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS (ACRE-FEET)	NUMBER OF ACRES IRRIGATED	AVERAGE ACRE-FEET PER ACRE
29	277	8	161	35	0	3,579	85,441	15	38,683	11,119	3.48
30	866	28	406	3	0	9,546	275,381	41,31	163,592	32,481	5.04
31	300	36	152	5	0	8,242	569,989	101,82	229,840	54,683	4.20
32 *	278	16	142	15	0	5,558	50,254	16,23	229,194	65,361	3.51
33	140	47	71	1	0	5,911	47,812	1,18	42,581	9,408	4.53
34 **	130	7	35	19	0	2,239	53,212	10,35	44,879	11,604	3.87
46	41	3	8	0	0	832	6,835		4,318	1,023	4.22
69	29	0	15	0	0	222	6,152	38	5,527	1,377	4.01
71	123	0	71	2	0	3,764	308,618	162,16	10,108	1,878	5.38
77	99	0	37	1	0	1,642	67,847	26	15,196	2,225	6.83
78	167	4	47	10	0	2,289	31,218	1,60	25,279	6,098	4.15
TOTAL	2,450	149	1,145	91	0	43,824	1,502,759	335,48	809,197	197,257	4.10

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, 192,009 A.F. of which 171,159 were for irrigation.

** Total Deliveries from Dolores River Basin, Dist. 71, 679 A.F. of which 618 were for irrigation.

1995 WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
29	0	1,057	834	1,166	0	0	4,390	51	6,468
30	432	0	5,465	802	381	404	23,239	301	18,246
31	641	0	856	53	6	153	1,875	54	362
32 *	0	0	4,370	5	0	0	0	7	1,677
33	0	1,582	0	12	0	0	0	28	3,341
34	0	0	817	4	0	0	6	17	4,409
46	0	0	0	0	0	536	0	1	22
69	0	0	0	0	0	0	362	0	16
71 **	192,370	0	393	5	4,384	0	5,178	15	252
77	0	0	0	2	1	0	1,530	9	1,012
78	413	0	779	18	0	9	1,471	113	4,303
TOTAL	193,856	2,639	13,514	2,067	4,772	1,102	38,051	596	40,108

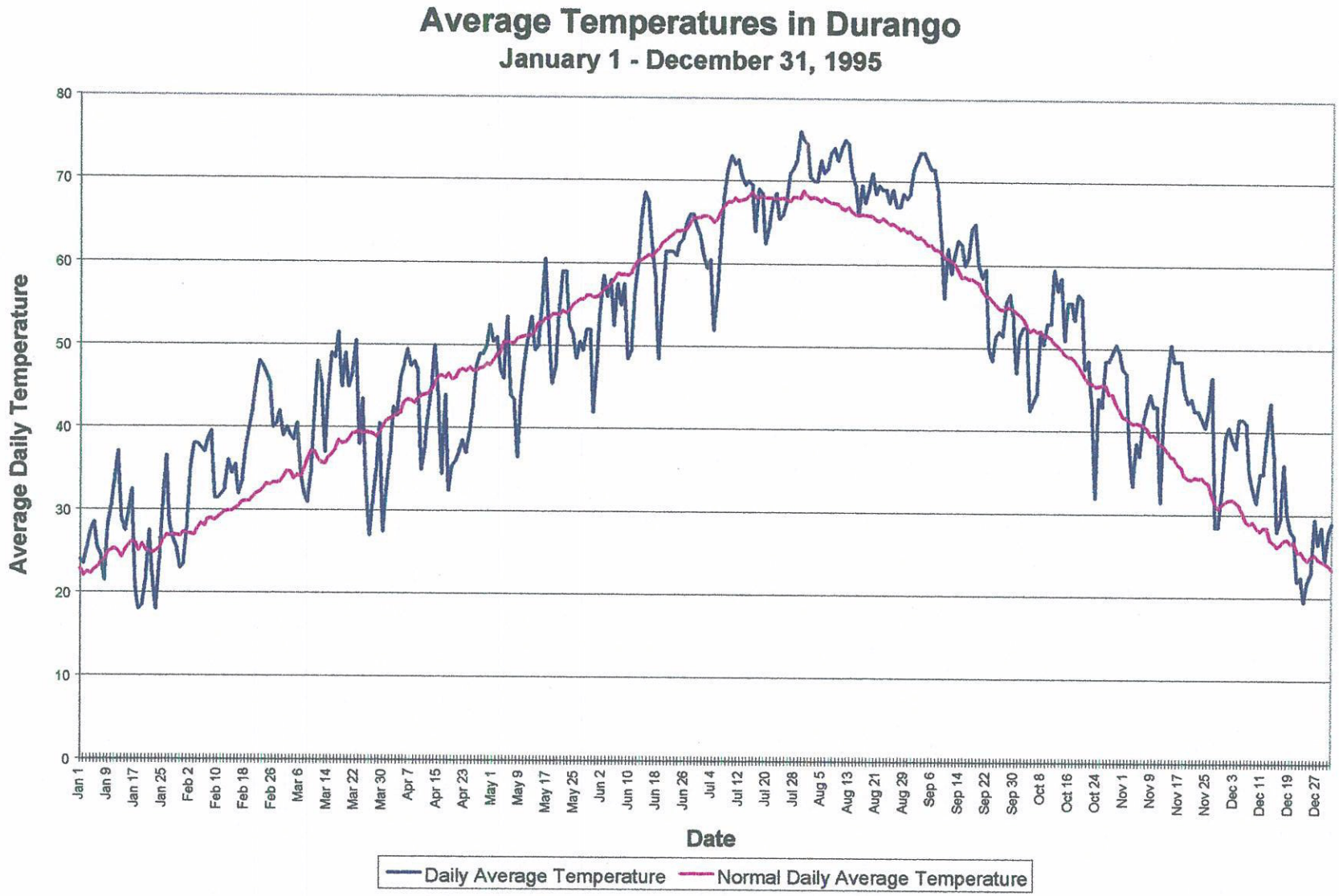
* Municipal Use in Dist. 32 delivered from Transbasin - Dist. 71

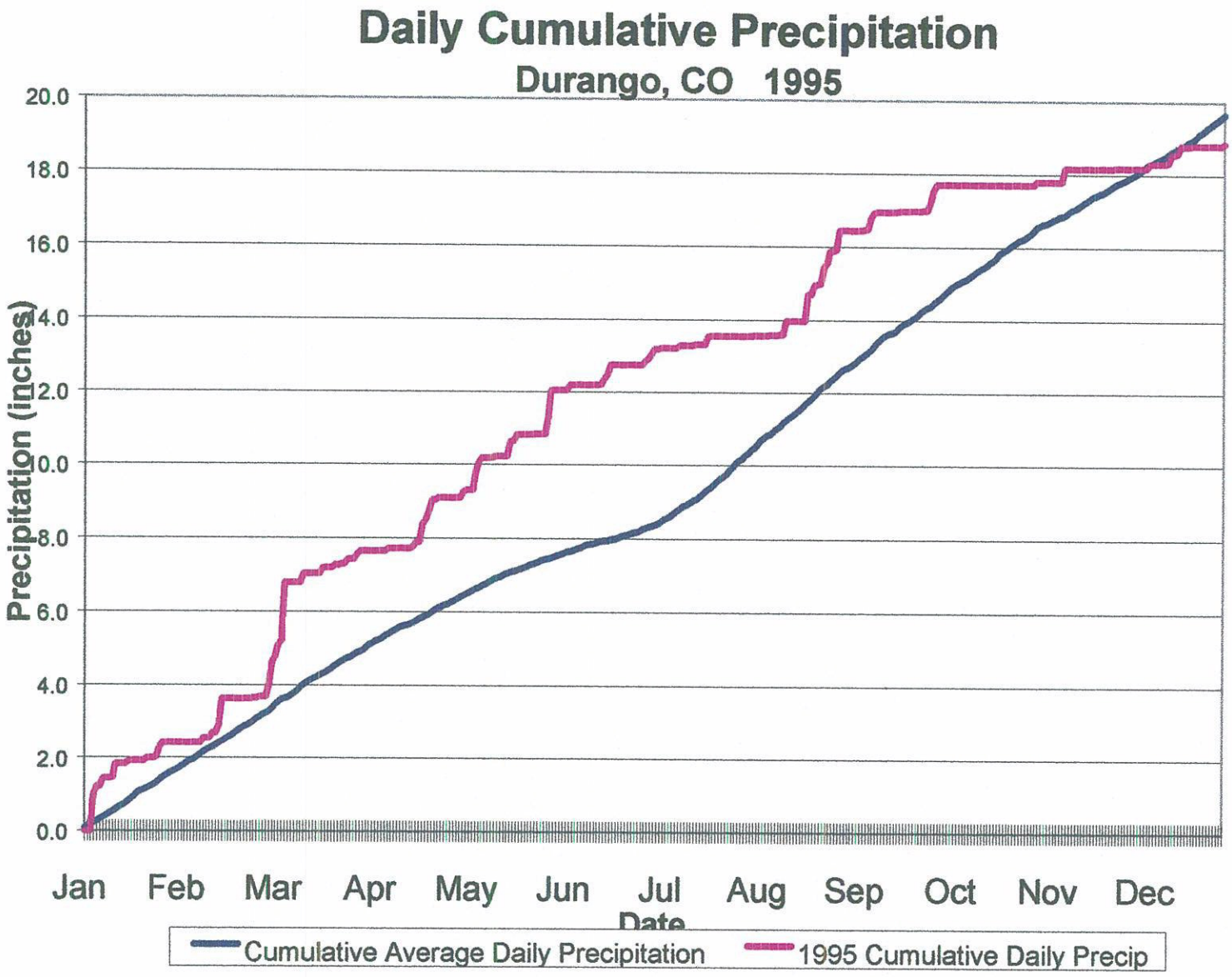
** Transbasin outflow in Dist. 71 diverted to Dist. 32 and Dist. 34.

1995 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	137	338	0	55	0	56,179	0	0	572
31	0	2,995	0	0	0	278,138	0	0	0
32	0	0	0	0	0	0	0	0	0
33	3	0	0	0	0	0	0	1	154
34	0	4	0	0	0	0	0	0	298
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	0
77	0	0	0	0	0	0	0	0	263
78	0	0	0	0	0	0	0	0	0
TOTAL	140	3,337	0	55	0	334,317	0	1	1287

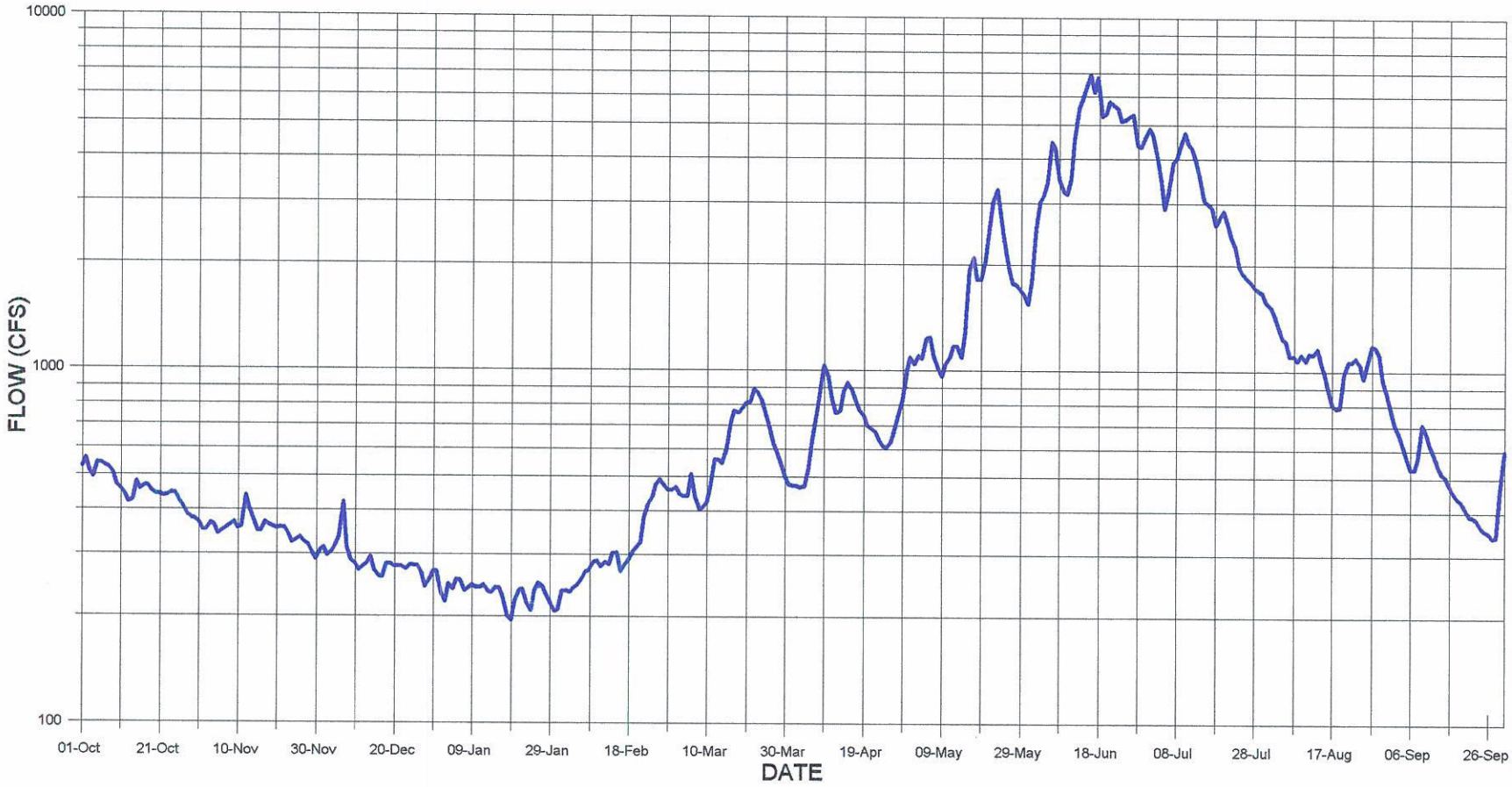
* Geothermal water included in Commercial, Municipal, and Recreation categories.


Average Temperatures in Durango
January 1 - December 31, 1995
Average Daily Temperature
80
70
60
50
40
30
20
10
0
Jan 1
Jan 9
Jan 17
Jan 25
Feb 2
Feb 10
Feb 18
Feb 26
Mar 6
Mar 14
Mar 22
Mar 30
Apr 7
Apr 15
Apr 23
May 1
May 9
May 17
May 25
Jun 2
Jun 10
Jun 18
Jun 26
Jul 4
Jul 12
Jul 20
Jul 28
Aug 5
Aug 13
Aug 21
Aug 29
Sep 6
Sep 14
Sep 22
Sep 30
Oct 8
Oct 16
Oct 24
Nov 1
Nov 9
Nov 17
Nov 25
Dec 3
Dec 11
Dec 19
Dec 27
Date
Daily Average Temperature
Normal Daily Average Temperature

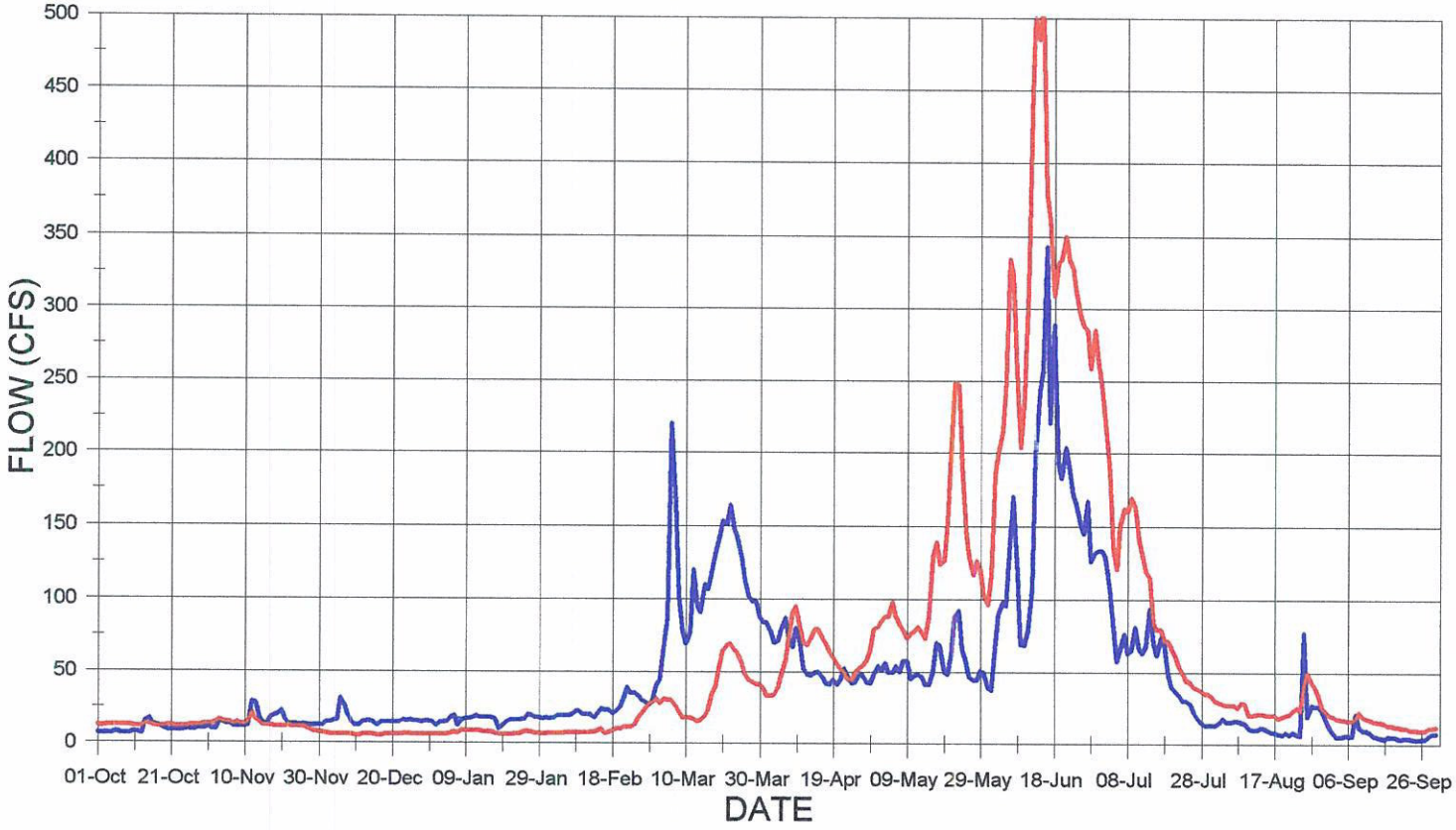

Daily Cumulative Precipitation
Durango, CO 1995
Precipitation (inches)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date
Cumulative Average Daily Precipitation
1995 Cumulative Daily Precip

ANIMAS RIVER AT DURANGO, CO

1995 WATER YEAR



LA PLATA RIVER COMPACT
1995 WATER YEAR



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

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 HESPERUS TOTAL*)
DECEMBER	365.0	0.0	135.5	500.5	944.0	0.0	5.6	949.6	
JANUARY	449.0	0.0	54.7	503.7	1,010.0	0.0	0.0	1,010.0	
FEBRUARY	588.0	0.0	2.0	590.0	1,330.0	0.0	0.0	1,330.0	
MARCH	2,260.0	0.0	193.2	2453.2	6,680.0	0.0	0.0	6,680.0	
APRIL	3,610.0	0.0	27.4	3,637.4	3,320.0	0.0	245.2	3,565.2	
MAY	7,220.0	1.0	269.0	7,490.0	3,310.0	106.3	232.1	3,648.4	109.4
JUNE	18,482.3	533.8	579.6	19,595.7	9,219.3	109.1	168.8	9,497.2	5,747.2
JULY	6,202.4	1,545.1	565.1	8,312.6	3,504.8	113.8	245.8	3,864.4	3,815.1
AUGUST	1,664.2	346.7	65.7	2,076.6	949.3	143.2	123.8	1,216.3	1,061.5
SEPTEMBER	884.4	36.7	0.2	921.3	379.5	31.2	111.7	522.4	477.5
OCTOBER	644.6	0.0	0.0	644.6	514.1	0.0	123.0	637.1	326.3
NOVEMBER	645.0	0.0	0.0	645.0	716.0	0.0	46.0	762.0	
TOTALS *	28,066.9	2,463.3	1,216.6	31,746.8	14,655.0	400.3	777.9	15,833.2	115,437.0

- ON MAY 30, 1995 COLORADO BEGAN DELIVERIES OF REQUESTED AMOUNTS TO NEW MEXICO
- AFTER JUNE 11, 1995 RIVER FLOWS EXCEEDED COMPACT DELIVERY REQUIREMENTS
- BEFORE JULY 6, 1995 EXCESS WATER WAS FOUND IN RIVER AT LA PLATA, NEW MEXICO
- AFTER JULY 6, 1995 COLORADO DELIVERED SEASONAL DEMANDS OF NEW MEXICO, 80 CFS TO JULY 15, 70 CFS AFTERWARD
- DURING AUGUST 1995, RETURN FLOWS WERE USED TO MEET REQUIRED FLOWS, EXCEPT FOR AUGUST 24 & 25
- DURING SEPTEMBER 1995, RETURN FLOWS WERE USED TO MEET REQUIRED FLOWS
- DURING OCTOBER 1995, RETURN FLOWS WERE USED TO MEET REQUIRED FLOWS

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			
AVG.	38,593	4,526	45,819	88,938	93,524	977,914	-5.2%

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

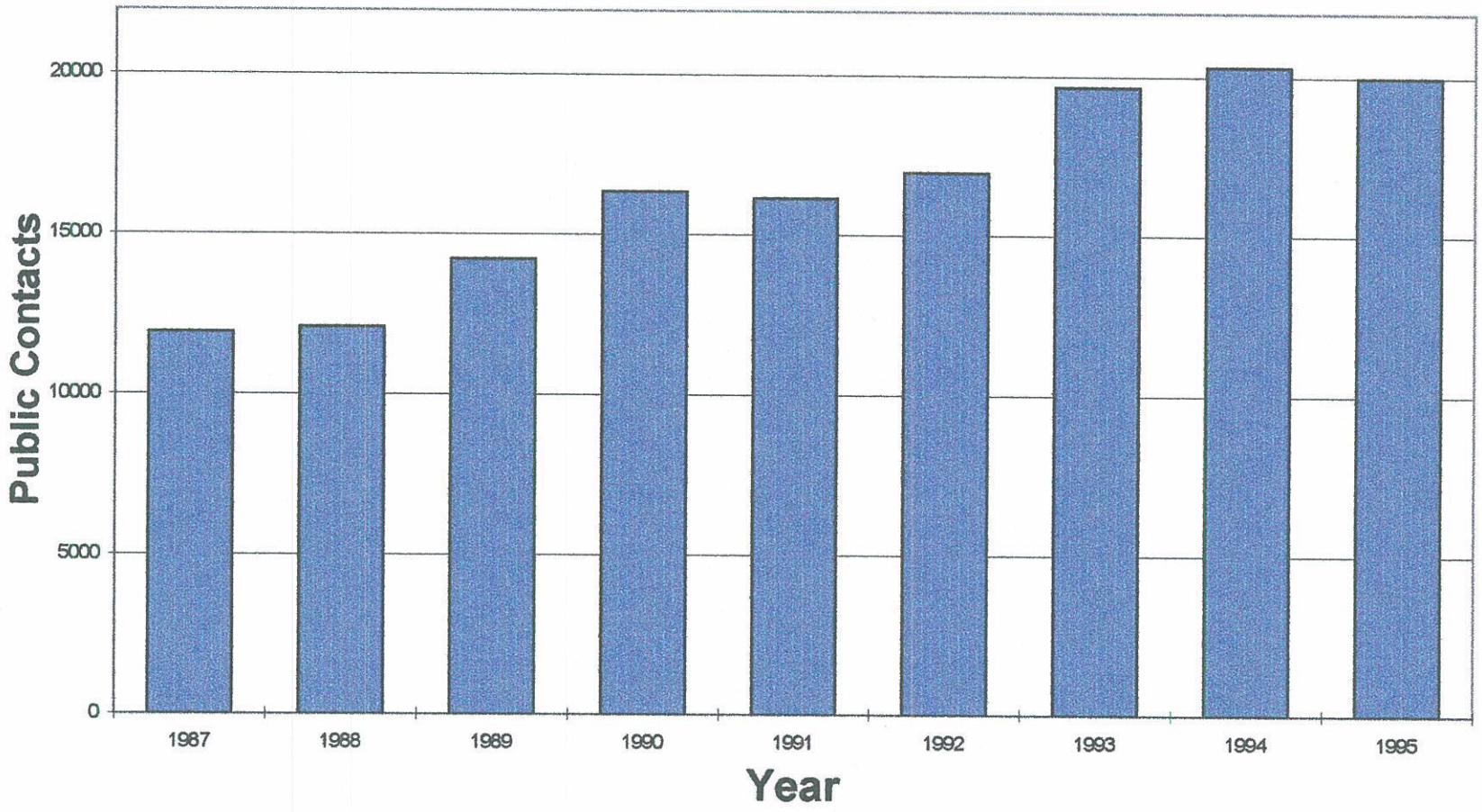
WATER DIVISION SEVEN

ACTIVITY SUMMARY

FISCAL YEAR 1995

ACTIVITY	TOTAL
NUMBER OF PROFESSIONAL & TECHNICAL STAFF	4
NUMBER OF CLERICAL STAFF	1
NUMBER OF WATER COMMISSIONER FTE ASSIGNED	10.25
NUMBER OF DECREED SURFACE RIGHTS	80
NUMBER OF SURFACE RIGHTS ADMINISTERED	19,806
NUMBER OF WELLS	1,203
NUMBER OF PLANS FOR AUGMENTATION	2
NUMBER OF CONSULTATIONS WITH REFEREE	128
NUMBER OF WATER COURT APPEARANCES	15
NUMBER OF MEETINGS W/ WATER USERS	149
NUMBER OF MEETINGS TO RESOLVE WATER RELATED DISPUTES	22
NUMBER OF PUBLIC ASSISTANCE CONTACTS ON WATER MATTERS	20,021

DIVISION 7 PUBLIC CONTACTS
Number of contacts per year
1987 - 1995



WATER COURT ACTIVITIES

CALENDAR YEAR 1995

NUMBER OF APPLICATIONS FOR DECREES	113
NUMBER OF CONSOLATIONS WITH REFEREE	128
NUMBER OF DECREES ISSUED BY WATER COURT	80
TYPE OF DECREE:	
SURFACE WATER	29
GROUND WATER	1
RESERVOIRS	2
TRANSFER	0
ALTERNATE POINT	4
CHANGE IN USE	9
PLANS FOR AUGMENTATION	2
IN-STREAM FLOW	0
OTHER	23
NUMBER OF STRUCTURES IN DECREES:	
TYPE OF STRUCTURES:	
DITCHES	39
RESERVOIRS	15
WELLS	11
OTHER (SPRINGS, PIPELINES, PUMPS, ETC.)	26
TOTAL STRUCTURES:	91

OFFICE ADMINISTRATION FY 1995

NAME	POSITION		FY MONTHS BUDGETED	FY MONTHS WORKED	FY MILEAGE
Kenneth A. Beegles	Division Engineer		12	12	3193
Bruce T. Whitehead	Asst. Div. Engineer		12	12	2209
Scott D. Brinton	Hydrographer		12	12	16,923
Frank J. Kugel	Dam Safety Engineer		12	12	17,471
Shari Gonzales	Admin. Asst. III		12	12	0
FULL-TIME EMPLOYEES IN THE FIELD					
NAME	**POSITION / DISTRICT**				
William Baker	Eng. Tech II	32	12	12	11,989
Harold Baxstrom	Eng Tech II	30/Florida	12	12	12,163
Glen Humiston	Eng Tech III	32,34,69,71	12	12	15,325
J. Russell Kennedy	Eng Tech II	33	12	12	11,164
David Nelson	Eng Tech II	30/Animas	12	12	11,509
Hal Pierce	Eng Tech II	31, 46	12	12	13,356
John (Val) Valentine	Eng Tech II	29,77,78	12	12	12,791
PERMANENT PART-TIME EMPLOYEES IN THE FIELD					
Robert Becker	Eng Tech I	69,71	10	10	8,802
Robert Daniels	Eng Tech I	31,46	6	6	9,351
Matthew Schmitt	EPS Asst II	33	4	4	5,454
Sherry Schutz	Eng Tech I	77	8	8	11,426
John Taylor	Eng Tech I	78	5	5	5,028
TEMPORARY PART-TIME EMPLOYEES IN THE OFFICE					
Robert Daniels	Eng Tech I	CRDSS	3	3	0
Joanna Daniels	Eng Tech	CRDSS	3	3	0
	TOTAL MAN-MONTHS:		183	183	
	TOTAL FTE:		15.25	15.25	
	TOTAL MILES DRIVEN:				168,154

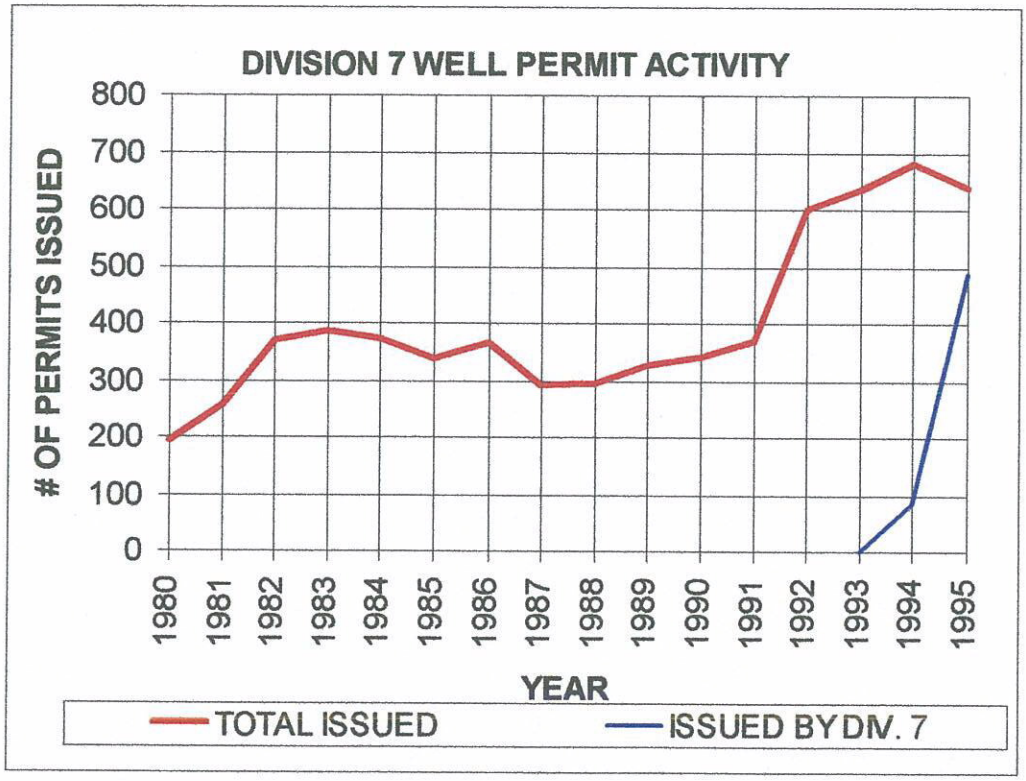
BUDGET PROJECTIONS
DIVISION 7

MONTH	FY 93 -94 EXPENSES	PROJECTED FY 94 - 95	EST CUMULATIVE EXPENDITURES	FY 94 -95 EXPENSES
		Figures in dollars		
JULY	4,042	5,500	5,500	4,598
AUGUST	3,782	5,500	11,000	4,553
SEPTEMBER	4,343	4,500	15,500	4,060
OCTOBER	3,512	3,200	18,700	3,992
NOVEMBER	2,109	2,500	21,200	3,022
DECEMBER	3,798	2,200	23,400	2,387
JANUARY	1,817	2,200	25,600	2,024
FEBRUARY	2,646	2,200	27,800	2,200
MARCH	3,062	3,200	31,000	2,409
APRIL	2,886	3,700	34,700	2,496
MAY	4,820	5,000	39,700	5,003
JUNE	7,797	5,700	45,400	10,682
TOTAL	$44,614	$45,400	$45,385	$47,426
REMAINING	($61)		amount left->	$480

DIVISION 7
1995 RIVER CALLS

WD	RIVER	INITIAL CALLING STRUCTURE	PRIORITY No.	DATE ON CALL	MOST SENIOR CURTAILED STRUCTURE	PRIORITY No.	DATE OFF CALL	DAYS
29	FOUR MILE CREEK	Mesa Ditch	3	08/05/95	Mesa Ditch	3	09/01/95	27
29	RITO BLANCO	M. O. Brown Ditch	7	07/25/95	Echo Ditch	9	09/13/95	49
29	COAL CREEK	J. M. Ross & Sturgill	2	08/10/95	Girardin Ditch	8	09/30/95	51
30	FLORIDA RIVER	Florida Farmers D.	F-84	07/20/95	Florida Canal	F-23	10/14/95	86
30	ELBERT CREEK	Conley Ditch	E-1	08/07/95	Butler Ditch	E-8	10/31/95	85
31	PINE RIVER	****Informal Call, Pine River Irrigation District Supplied Water To The System****						
33	LA PLATA RIVER	Red Mesa Ward Reservoir	65-2	02/04/95	La Plata Irrig. Ditch	1	03/03/95	28
		Treanor Ditch	63	05/31/95	Hay Gulch Ditch	5	08/31/95	51
33	LA PLATA RIVER (Hesperus to Cherry Ck.)	Treanor Ditch	63	04/19/95	Warren-Vosburgh	59	05/31/95	41
33	LA PLATA RIVER (Hesperus to Breen)	Pine Ridge Ditch	39	08/11/95	Hay Gulch Ditch	5	10/31/95	76
33	LOWER LA PLATA R. * (Breen to Stateline)	Enterprise Enlg Ditch	46	08/11/95	Enterprise Enlg Ditch Sooner Valley Ditch	41	10/31/95	77
34	MANCOS RIVER	Beaver Ditch	36	07/23/95	Long Park,Carpenter & Mitchell, Crystal Creek D, Ratliff & Root, Beaver D,Henry Bolen,Davenport, Sheek D,Frank D,Weber D	13	09/12/95	51

* No Call Below Cherry Creek after 09/27/95



SUMMARY OF WELL PERMITS ISSUED FOR DIVISION 7
1980 - 1995

CALENDAR YEAR	# OF PERMITS ISSUED	ISSUED BY DIVISION 7
1980	193	
1981	257	
1982	368	
1983	385	
1984	372	
1985	338	
1986	364	
1987	290	
1988	295	
1989	325	
1990	341	
1991	367	
1992	599	
1993	634	0
1994	680	84
1995	640	488

DIVISION 7 WELL PERMITTING PROJECT

Starting Date: October 21, 1994

Number of Permits issued as of November 1, 1995

	Division 7	Denver
Exempt	= 461	26
Non-exempt	= 32	47
Replacement	= 27	2
Verbals*	= NA	2
Monitoring Permits*	= NA	15
Monitoring Notices*	= NA	29
Total =	520	121

Time Expended:

Permit issuance =	91 person hours
Permit review =	52 person hours
Processing (mailing, copying, etc.) =	50 person hours
Total =	193 person hours

Average time expended = 22 minutes per permit issued

Postage cost = $331.27

Time to issuance after application received in Division office:

Permits are signed and mailed every Tuesday. Therefore, the turnaround time varies from one to seven days, depending on when the permit is submitted. Unacceptable applications are dealt with on the day they are received.

General analysis:

The process is operating smoothly at this time. Initially, minor problems and procedures were ironed out and the time spent has decreased over the ensuing period. The relatively large amount of time spent copying and mailing was not anticipated.

Positives	**Negatives**
Enhanced public service w/ short process time	Additional workload
Division level awareness of well activity	Time scheduling
Few verbal approvals necessary	Database tracking
Few monitoring holes	
Equipment working well	
Cooperation from Denver staff	
Control our own destiny (have no one to blame but ourselves if we get behind)	
Public perceiving improved service	

*These permits are *not approved* from Division 7

1995 IRRIGATION YEAR SUMMARY
DISTRICT 29

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	36,409
	STORAGE	152
	STOCKWATER	6,468
	MUNICIPAL	834
	DOMESTIC	50
	INDUSTRIAL	0
	RECREATION	0
	FISH	4,390
	OTHER:COMMERCIAL,AUGMENTATION	1,166
	TRANSMOUNTAIN-TRANSBASIN	990
	INTERSTATE	34,982
	TOTAL DIVERSIONS.....	85,441
DELIVERIES FROM STORAGE		
	IRRIGATION	0
	DOMESTIC	1
	MUNICIPAL	0
	STOCK	0
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	67
	OTHER:	0
	TOTAL DIVERSIONS.....	68
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	36,409
	ACRES IRRIGATED	11,119
	ACRE-FEET DIVERTED PER ACRE	3.27
NUMBER OF STRUCTURES OBSERVED		483
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	17
	ACTIVE DIVERSIONS-DAILY	168
	-INFREQUENT STRUCTURES	110
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	8
	-NOT USED (A,C,D, CODES)	161
	-NO INFORMATION AVAILABLE (F CODE)	19
NUMBER OF DITCHES, SURFACE RIGHTS		312
NUMBER OF RESERVOIRS		94
NUMBER OF WELLS		77
NUMBER OF OBSERVATIONS		3,579

1995 IRRIGATION YEAR SUMMARY
DISTRICT 30

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	144,434
STORAGE	41,093
STOCKWATER	18,237
MUNICIPAL	5,465
DOMESTIC	301
INDUSTRIAL	32,869
RECREATION	404
FISH	23,239
OTHER:COMMERCIAL,RECHARGE,AUGMENTATION,etc..	634
TRANSMOUNTAIN-TRANSBASIN	432
INTERSTATE	8,273
TOTAL DIVERSIONS.....	275,381
DELIVERIES FROM STORAGE	
IRRIGATION	18,260
DOMESTIC	0
MUNICIPAL	0
STOCK	1
INDUSTRIAL	23,691
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL,RECHARGE,etc.	125
SNOWMAKING	55
TOTAL DIVERSIONS.....	42,132
DELIVERIES FROM TRANSBASIN	
IRRIGATION	898
STORAGE	247
MUNICIPAL	0
STOCK	0
OTHER:COMMERCIAL,etc.	66
TOTAL FROM TRANSBASIN.....	1,211
DUTY OF WATER:	
TOTAL TO IRRIGATION	163,592
ACRES IRRIGATED	32,481
ACRE-FEET DIVERTED PER ACRE	5.04
NUMBER OF STRUCTURES OBSERVED	1,315
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	2
ACTIVE DIVERSIONS-DAILY	277
-INFREQUENT STRUCTURES*	601
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	28
-NOT USED (A,C,D, CODES)	406
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES	732
NUMBER OF RESERVOIRS	177
NUMBER OF WELLS	441
NUMBER OF OBSERVATIONS	9,543

1995 IRRIGATION YEAR SUMMARY
DISTRICT 31

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	186,130
STORAGE	101,826
STOCKWATER	362
MUNICIPAL	757
DOMESTIC	54
POWER	278,138
RECREATION	153
FISH	1,875
OTHER:COMMERCIAL	53
TRANSMOUNTAIN-TRANSBASIN	641
TOTAL DIVERSIONS.....	569,989
DELIVERIES FROM STORAGE	
IRRIGATION	43,710
DOMESTIC	0
MUNICIPAL	99
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:EVAPORATION,AUGMENTATION	2,995
TOTAL DIVERSIONS.....	46,804
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	229,840
ACRES IRRIGATED	54,683
ACRE-FEET DIVERTED PER ACRE	4.20
NUMBER OF STRUCTURES OBSERVED	721
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
ACTIVE DIVERSIONS-DAILY	123
-INFREQUENT STRUCTURES	405
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	36
-NOT USED (A,C,D, CODES)	152
-NO INFORMATION AVAILABLE (F CODE)	4
NUMBER OF DITCHES, OTHER SURFACE RIGHTS	412
NUMBER OF RESERVOIRS	33
NUMBER OF WELLS	306
NUMBER OF OBSERVATIONS	8,242

1995 IRRIGATION YEAR SUMMARY
DISTRICT 32

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	48,878
	STORAGE	0
	STOCKWATER	1,364
	MUNICIPAL	
	DOMESTIC	7
	INDUSTRIAL	0
	RECREATION	0
	FISH	0
	OTHER:COMMERCIAL	5
	TRANSMOUNTAIN-TRANSBASIN	0
	TOTAL DIVERSIONS.....	50,254
DELIVERIES FROM STORAGE		
	IRRIGATION	9,157
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	68
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	0
	OTHER:COMMERCIAL	0
	TOTAL DIVERSIONS.....	9,225
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	171,159
	STORAGE	16,235
	MUNICIPAL	4,370
	STOCK	245
	TOTAL FROM TRANSBASIN.....	192,009
DUTY OF WATER:		
	TOTAL TO IRRIGATION	229,194
	ACRES IRRIGATED	65,361
	ACRE-FEET DIVERTED PER ACRE	3.51
NUMBER OF STRUCTURES OBSERVED		544
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	187
	-INFREQUENT STRUCTURES	184
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	16
	-NOT USED (A,C,D, CODES)	142
	-NO INFORMATION AVAILABLE (F CODE)	15
NUMBER OF DITCHES, SURFACE RIGHTS		444
NUMBER OF RESERVOIRS		19
NUMBER OF WELLS		43
NUMBER OF OBSERVATIONS		5,558

1995 IRRIGATION YEAR SUMMARY
DISTRICT 33

	ACRE-FEET
DIRECT DIVERSIONS	
IRRIGATION	41,671
STORAGE	1,180
STOCKWATER	3,339
MUNICIPAL	0
DOMESTIC	28
INDUSTRIAL	0
RECREATION	0
FISH	0
OTHER:COMMERCIAL	12
TRANSMOUNTAIN-TRANSBASIN	1,582
INTERSTATE	1,755
TOTAL DIVERSIONS.....	47,812
DELIVERIES FROM STORAGE	
IRRIGATION	910
DOMESTIC	0
MUNICIPAL	0
STOCK	2
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:RECHARGE	1
TOTAL DIVERSIONS.....	913
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	42,581
ACRES IRRIGATED	9,408
ACRE-FEET DIVERTED PER ACRE	4.53
NUMBER OF STRUCTURES OBSERVED	285
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	47
-INFREQUENT STRUCTURES	118
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	47
-NOT USED (A,C,D, CODES)	71
-NO INFORMATION AVAILABLE (F CODE)	2
NUMBER OF DITCHES, SURFACE RIGHTS	241
NUMBER OF RESERVOIRS	14
NUMBER OF WELLS	47
NUMBER OF OBSERVATIONS	5,911

1995 IRRIGATION YEAR SUMMARY
DISTRICT 34

DIRECT DIVERSIONS		ACRE-FEET
	IRRIGATION	37,978
	STORAGE	10,309
	STOCKWATER	4,379
	MUNICIPAL	529
	DOMESTIC	17
	RECREATION	0
	FISH	0
	OTHER:	0
	TOTAL DIVERSIONS.....	53,212
DELIVERIES FROM STORAGE		
	IRRIGATION	6,283
	DOMESTIC	0
	MUNICIPAL	288
	STOCK	13
	INDUSTRIAL	0
	RECREATION	0
	OTHER:FISHERY,COMMERCIAL,EVAPORATION	14
	TOTAL DIVERSIONS.....	6,598
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	618
	STORAGE	44
	MUNICIPAL	0
	STOCK	17
	TOTAL FROM TRANSBASIN.....	679
DUTY OF WATER:		
	TOTAL TO IRRIGATION	44,879
	ACRES IRRIGATED	11,604
	ACRE-FEET DIVERTED PER ACRE	3.87

NUMBER OF STRUCTURES OBSERVED	322
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	2
ACTIVE DIVERSIONS-DAILY	69
-INFREQUENT STRUCTURES	192
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	7
-NOT USED (A,C,D, CODES)	35
-NO INFORMATION AVAILABLE (F CODE)	17
NUMBER OF DITCHES, SURFACE RIGHTS	272
NUMBER OF RESERVOIRS	27
NUMBER OF WELLS	29
NUMBER OF OBSERVATIONS	2,239

1995 IRRIGATION YEAR SUMMARY
DISTRICT 46

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	4,318
	STORAGE	0
	STOCKWATER	22
	MUNICIPAL	0
	DOMESTIC	1
	INDUSTRIAL	0
	RECREATION	536
	FISH	0
	OTHER:	0
	INTERSTATE	1,958
	TOTAL DIVERSIONS.....	6,835
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	4,318
	ACRES IRRIGATED	1,023
	ACRE-FEET DIVERTED PER ACRE	4.22
NUMBER OF STRUCTURES OBSERVED		57
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	37
	-INFREQUENT STRUCTURES	9
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	3
	-NOT USED (A,C,D, CODES)	8
	-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS		52
NUMBER OF RESERVOIRS		2
NUMBER OF WELLS		0
NUMBER OF OBSERVATIONS		832

1995 IRRIGATION YEAR SUMMARY
DISTRICT 69

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	5,391
	STORAGE	387
	STOCKWATER	12
	MUNICIPAL	0
	DOMESTIC	0
	INDUSTRIAL	0
	RECREATION	0
	FISH	362
	OTHER:	0
	TOTAL DIVERSIONS.....	6,152
DELIVERIES FROM STORAGE		
	IRRIGATION	136
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	4
	OTHER:	0
	TOTAL DIVERSIONS.....	140
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	5,527
	ACRES IRRIGATED	1,377
	ACRE-FEET DIVERTED PER ACRE	4.01
NUMBER OF STRUCTURES OBSERVED		52
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
	ACTIVE DIVERSIONS-DAILY	20
	-INFREQUENT STRUCTURES	17
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
	-NOT USED (A,C,D, CODES)	15
	-NO INFORMATION AVAILABLE (F CODE)	0
NUMBER OF DITCHES, SURFACE RIGHTS		35
NUMBER OF RESERVOIRS		8
NUMBER OF WELLS		1
NUMBER OF OBSERVATIONS		222

1995 IRRIGATION YEAR SUMMARY
DISTRICT 71

		ACRE-FEET
DIRECT DIVERSIONS		
	IRRIGATION	10,063
	STORAGE	162,163
	STOCKWATER	248
	MUNICIPAL	393
	DOMESTIC	15
	INDUSTRIAL	4,384
	RECREATION	0
	FISH	5,178
	OTHER:COMMERCIAL	5
	TRANSMOUNTAIN-TRANSBASIN	126,169
	TOTAL DIVERSIONS.....	308,618
DELIVERIES FROM STORAGE		
	IRRIGATION	45
	DOMESTIC	0
	MUNICIPAL	0
	STOCK	4
	INDUSTRIAL	0
	RECREATION	0
	TRANSBASIN-TRANSMOUNTAIN	66,024
	OTHER:AUGMENTATION	1
	TOTAL DIVERSIONS.....	66,074
DELIVERIES FROM TRANSBASIN		
	IRRIGATION	0
	STORAGE	0
	MUNICIPAL	0
	STOCK	0
	TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:		
	TOTAL TO IRRIGATION	10,108
	ACRES IRRIGATED	1,878
	ACRE-FEET DIVERTED PER ACRE	5.38
NUMBER OF STRUCTURES OBSERVED		209
	WATER RUN-NO INFORMATION AVAILABLE (E CODE)	1
	ACTIVE DIVERSIONS-DAILY	58
	-INFREQUENT STRUCTURES	78
	INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
	-NOT USED (A,C,D, CODES)	71
	-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS		143
NUMBER OF RESERVOIRS		18
NUMBER OF WELLS		44
NUMBER OF OBSERVATIONS		3,764

1995 IRRIGATION YEAR SUMMARY
DISTRICT 77

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	14,962
STORAGE	265
STOCKWATER	1,010
MUNICIPAL	0
DOMESTIC	9
INDUSTRIAL	1
RECREATION	0
FISH	1,530
OTHER:COMMERCIAL	2
INTERSTATE	50,068
TOTAL DIVERSIONS.....	67,847
DELIVERIES FROM STORAGE	
IRRIGATION	234
DOMESTIC	0
STOCK	0
INDUSTRIAL	0
RECREATION	0
OTHER:FISH	0
TOTAL DIVERSIONS.....	234
DELIVERIES FROM TRANSBASIN	
IRRIGATION	0
STORAGE	0
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	0
DUTY OF WATER:	
TOTAL TO IRRIGATION	15,196
ACRES IRRIGATED	2,225
ACRE-FEET DIVERTED PER ACRE	6.83
NUMBER OF STRUCTURES OBSERVED	128
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	0
ACTIVE DIVERSIONS-DAILY	74
-INFREQUENT STRUCTURES	16
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	0
-NOT USED (A,C,D, CODES)	37
-NO INFORMATION AVAILABLE (F CODE)	1
NUMBER OF DITCHES, SURFACE RIGHTS	106
NUMBER OF RESERVOIRS	21
NUMBER OF WELLS	13
NUMBER OF OBSERVATIONS	1,642

1995 IRRIGATION YEAR SUMMARY
DISTRICT 78

DIRECT DIVERSIONS	ACRE-FEET
IRRIGATION	24,258
STORAGE	634
STOCKWATER	4,302
MUNICIPAL	0
DOMESTIC	113
INDUSTRIAL	0
RECREATION	9
FISH	1,471
OTHER:COMMERCIAL	18
TRANSMOUNTAIN-TRANSBASIN	413
TOTAL DIVERSIONS.....	31,218
DELIVERIES FROM STORAGE	
IRRIGATION	380
DOMESTIC	0
MUNICIPAL	779
STOCK	0
INDUSTRIAL	0
RECREATION	0
TRANSBASIN-TRANSMOUNTAIN	0
OTHER:COMMERCIAL	0
TOTAL DIVERSIONS.....	1,159
DELIVERIES FROM TRANSBASIN	
IRRIGATION	641
STORAGE	778
MUNICIPAL	0
STOCK	0
TOTAL FROM TRANSBASIN.....	1,419
DUTY OF WATER:	
TOTAL TO IRRIGATION	25,279
ACRES IRRIGATED	6,098
ACRE-FEET DIVERTED PER ACRE	4.15
NUMBER OF STRUCTURES OBSERVED	220
WATER RUN-NO INFORMATION AVAILABLE (E CODE)	7
ACTIVE DIVERSIONS-DAILY	87
-INFREQUENT STRUCTURES	72
INACTIVE DIVERSIONS-NO WATER AVAILABLE (B CODE)	4
-NOT USED (A,C,D, CODES)	47
-NO INFORMATION AVAILABLE (F CODE)	3
NUMBER OF DITCHES, SURFACE RIGHTS	158
NUMBER OF RESERVOIRS	51
NUMBER OF WELLS	26
NUMBER OF OBSERVATIONS	2,289