
**DIVISION NO. 1
ANNUAL REPORT
1993 IRRIGATION YEAR**

INDEX

I. WATER ADMINISTRATION

- | | | |
|----|--------------------|----|
| A. | Current Water Year | 3 |
| B. | Coming Water Year | 14 |

II. WATER ADMINISTRATION DATA SUMMARIES

- | | | |
|----|------------------------------------|----|
| A. | Augmentation Releases by Districts | 16 |
| B. | Transmountain Diversions | 17 |
| C. | Storage Summaries | 18 |
| D. | Water Diversions | 30 |
| E. | Water Court Activities | 33 |
| F. | River Call | 34 |

III. OFFICE ADMINISTRATION AND WORKLOAD MEASURES

- | | | |
|----|------------|----|
| A. | Staffing | 37 |
| B. | Statistics | 37 |

WATER ADMINISTRATION

Current Water Year

Accomplishments

Water Administration

The daily administration of water rights was considered to be successfully accomplished for the 1993 irrigation year. During the year another 385 new water rights were decreed to add to the previously existing rights. Presently there are 458 plans for augmentation and 72 substitute supply plans that add to the complexity of administration.

The year was generally a good year for water supply. The above average snowpack for the basin got the irrigation season started well. However, the past year did not have the widespread May-June general rainstorms over the basin that have been experienced in the past. The absence of rain led to lower sustained peak flows. Thus, most of the snow runoff was utilized in the upper areas of the basin by the more senior water rights and less water was available to the lower part of the basin, mainly in district 64.

Dam Safety

The Dam Safety Branch for Division One successfully completed inspections of all Class I and II dams, despite being one person short for five months. A significant number of Class III dams were also inspected for a total of 341 inspections. Several design plans were reviewed as time permitted. Over 100 emergency preparedness plans (EPPs) were completed by dam owners with the assistance of dam safety engineers from the Division One office. Presently, only two dams remain which do not have an EPP. Several dam outlet inspections were conducted with the SLED which is designed to access outlets not capable of being entered by people. The engineers plan to complete the majority of required outlet inspections this coming summer and fall. Finally, a concerted effort was initiated to complete hydrologic analyses for all higher hazard dams to determine the ability of spillways to pass design flood flows. This project is scheduled for completion this coming year.

Hydrography

Hydrographers in Division One measured and kept records for 94 gaging stations in the 1993 irrigation year. These records and measurements provide the basic information of water flow which is used for daily water allocation throughout the basin as well as serve as historic data for analysis and planning. Of these stations, 28 are record stations for which a completed and verified record of water flow is turned in to the United States Geological Survey (USGS) for their publication. The remaining 65 stations are records kept solely by the Division of Water Resources (DWR) and are published separately by the DWR. Additionally, numerous flow measurements were made to verify flow-stage relationships in flumes and ditches throughout the division.

Funding received from the Colorado Water Conservation Board's construction fund has allowed the staff to repair and replace stream gages that have fallen into disrepair in recent years. During the past year, manometers were installed at the Big Thompson River at the mouth of the canyon and on the Buckhorn Creek station. These installations have significantly improved the quality of records at those locations. A new station was installed on the South Platte River at South Platte and will be utilized beginning this spring when equipment can be transferred and hooked up. A cableway inspection was conducted in conjunction with the USGS for the cableways at South Platte at South Platte and for South Platte at Weldona. Both cableways were condemned as a result of the tour and inspections. A new cableway will be installed at the South Platte station this spring.

Groundwater

Groundwater administration and well permitting activities progressed normally over the past year. Going into 1994 there are 108,294 valid well permits in Division One, including 24,302 valid nonexempt well permits and 14,387 irrigation only well permits. Statute changes eliminated the ability to include domestic animals on exempt in-house use only well permits beginning last July.

Gravel pit administration is continuing at a steady pace. Most of the existing wet pits have been field inspected. Field and division office personnel continue to work with pit owners to bring them into compliance without having to initiate formal legal action.

Water Records and Information

As explained in more detail in following paragraphs, significant progress has been made in the development of the South Platte Water Rights Management System (SPWRMS) to provide up-to-date water information to water users and water officials. Such information will be available through computer modem.

Special On-Going Projects

Long Range Plan

During the past year the Division of Water Resources has drafted a long range plan that incorporates the input of the entire staff. Implementation of the long range plan will begin in 1994. Six goals were identified in the plan as follows:

1. To Develop and Maintain Staff Professionalism.
2. To Acquire the Technology and Support for Collection of High Quality Data Describing Water Resource Uses.
3. To Improve Water Rights Administration Through Increased Efforts.
4. To Allocate Fiscal and Human Resources in Order to Meet Statutory Requirements and Mission-Related Activities.
5. To Reduce Well Permit and Subdivision Review Turnaround Times.
6. To Improve Public Opinion of the Division of Water Resources.

South Platte Water Rights Management Support System (SPWRMS)

Division Personnel continue to be heavily involved in the SPWRMS which is being developed for the South Platte River and its tributaries in conjunction with several municipal and other governmental entities. The goal of the plan is to develop management tools that increase the efficiency of water distribution and to enhance information transfer and user participation. While the program has been continuing for several years, the appropriation of 350,000 dollars this year by the Colorado Water Conservation Board from its construction funds has allowed considerable progress to be achieved this year. This appropriation along with support of other participants has provided funding for the necessary data collection and computer programming by the Project consultant, the University of Colorado's Center for Advanced Decision Support for Water and Environmental systems (CADSWES). The Conservation Board appropriation has also allowed the purchase of two UNIX computer workstations and lap top computers for lead water commissioners.

The ultimate goal for next year (Phase VI) is for the water commissioners to enter information concerning flows, diversions, and releases daily on water information sheets and transfer this information via lap top

computers into a wide area network. This will allow real time diversion and flow information to be accessible to the Denver and Division staff and to other water users. To accomplish this goal, the communication link between the water commissioner lap top computers and the UNIX workstations in Denver and Greeley is being developed, the daily water information sheets are being finalized, basic GIS information concerning rivers , ditches etc is being input into the UNIX workstations, and water commissioner training is being completed. CADSWES is also developing a prototype curtailment analysis based on real time data concerning flows and diversions which may be a tool in administration in the future.

South Platte Well Study

A cooperative pilot program to evaluate the accuracy of various methods of measuring well pumping is underway. The agencies cooperating with the Division are the Ground Water Appropriators of the South Platte (GASP), Central Colorado Water Conservancy District (CCWCD) and Lower South Platte Water Conservancy District (LSPWCD). As part of this project, well efficiency measurement training was provided to approximately 15 people from GASP, LSPWCD, DWR Denver Office and Water Divisions 1, 2 and 3 in April, 1993. In June, 24 field well efficiency tests were performed. Also, data on power consumption, hours of operation and, where available, flow meter readings were collected on 28 wells for the irrigation season. Preliminary results indicate only a small difference in the estimated volume of water pumped using these three data sources, as long as the well is not surging. For the 1994 irrigation season, we expect to gather another season of data on the same wells and perform another set of efficiency tests late in the irrigation season in an attempt to determine if the well efficiency changes seasonally.

Metropolitan Water Supply Investigation

Through an executive order of the governor, the state has initiated an effort to identify water supply projects that will increase the amount of water available to the metro area using existing facilities and options. A consultant has been hired to scope out possible projects by interviewing and exchanging information with metro area entities and to produce a model which has the capability to analyze the technical aspects of the proposed projects. Presently there are three areas of interest: conjunctive use in the southern metropolitan area, management of effluent from the Denver metro treatment plant, and identification of other alternatives using existing facilities.

Lysimeter Study

The small lysimeter-lawn grass return flow study being conducted at Colorado State University (CSU) is continuing. The cooperating entities are DWR, the City of Colorado Springs (CCS) and the Colorado Water Resources Research Institute (CWRI). The monitoring of the small and large lysimeters continued through the 1993 season. Irrigation scheduling and sprinkler problems in 1993 are making the results difficult

to interpret, but this task should be completed prior to this season. The previous monitoring results from the 1992 season indicate that the small lysimeter design may not be a significant factor in the amount of return flow. The detailed analysis of the City of Colorado Springs return flow data indicate that user type (e.g., domestic, commercial etc...) appears to be the largest single factor influencing return flow and that soil type appears to be insignificant. The largest task anticipated for this year is replacing the sprinkler system at CSU to achieve a uniform application prior to this season. This should make future data analysis much easier and more straightforward.

Data Quality Project

One of the outcomes of the long range planning efforts held during the past year is the increased emphasis placed upon data acquisition and record keeping. The Division has begun efforts to implement the DWR quality management program. Some of the data efforts already accomplished through SPWRMS fit into the enhanced data program. Through SPWRMS, Division 1 has located, identified and verified key structures within the Division. By the end of this spring, the division will complete investigation of the location, ID numbers, priorities and total diversions through these structures from 1975 to the present.

Hydrobase

The entire water data base for the Division of Water Resources (DWR) is being restructured by the Denver office into a system called hydrobase which will allow for better data storage and retrieval. The new database will run in a UNIX language environment and will provide access to all water related data within the DWR.

Important Court Decisions

Forest Service (W-8439-76 et.al.)

The Division 1 Water Court ruled on the United States Reserved Water Rights applications for the Pike, Roosevelt, San Isabel and Arapaho National Forest. The United States had requested reserved water rights to maintain favorable flows within the forest and also for some limited administrative sites and for fire fighting purposes. The Court denied the application except for the limited administrative and fire fighting purposes. The judge concluded from the evidence that the purpose of maintaining favorable flows was for irrigation and domestic purposes and the quantification proposed by the United States would impede these purposes. He also concluded that the Forest Service had other means of protecting favorable flows if minimum flows were necessary and that the methodology employed by the United States failed to identify the minimum flows necessary for channel maintenance. The United States has recently appealed the ruling of the judge to the Colorado Supreme Court (93SA227).

Rocky Mountain National Park (W-8439-76)

The Water Judge also issued a Memorandum of Decision and Order concerning the United States application for reserved rights in Rocky Mountain National Park. In contrast to his Ruling on the Forest Service Case, the judge ruled that Congress in setting aside Rocky Mountain National Park intended to reserve all unappropriated water in the National Park for park purposes. He further stated that reserved water rights are only for park purposes which are essentially non-consumptive. After the waters leave the National Park, they are subject to appropriation in accordance with Colorado Water Law.

Thornton (86CW401 et.al.)

The Division 1 Water Court also issued a Memorandum of Decision on August 16, 1993 concerning Thornton's application for new direct flow and exchange water rights in the Cache la Poudre Basin and application to transfer approximately one half of the Water Supply and Storage Company irrigation water rights from use in the Poudre basin to use for municipal purposes in Thornton. In the memorandum, the Water Judge ruled that Thornton had met the "can and will" doctrine for the transfer, that Thornton's appropriation dates for junior rights on the Poudre is December 31, 1986, that Thornton could not use Colorado Big Thompson (CBT) water either directly or by exchange outside the Northern Colorado Water Conservancy District in Thornton, that Thornton could not reuse its transbasin water from the Grand River Ditch and other sources, and that Thornton must maintain return flows as they have historically been made including maintaining ground water returns. The judge made this last ruling based on his conclusion that the Water Supply and Storage Company never intended this use, or if they had originally intended such use had abandoned their reuse of this water. The judges rulings had the effect of reducing the firm yield to Thornton of the project by several thousand acre-feet annually. The ruling on the return flow issue will also require that Thornton develop a plan to make returns via ground water recharge ponds to maintain historic ground water returns in the District.

After making his ruling in the Thornton case, the judge has had numerous Decree Conferences to resolve technical issues and remaining legal issues. Of note, the court determined that the overall historic irrigation efficiency of Thornton's Water Supply and Storage Company water is 57%. This efficiency controls the transferrable consumptive use since the ditch system is water short. The court also required a reduction in the claimed junior water rights on the Poudre and determined that the notice Thornton had provided was adequate to allow storage of their new direct flow rights.

The decree will be very difficult to administer due to all the limitations in the decree, the accounting required, and the necessity of trying to deliver water down the mainstem of the South Platte to the confluence with the Poudre river (a stretch of 50 miles where many headgates dry up the river) and then exchanging that water to the headgate of the Larimer County Canal (another 50 mile stretch). The judge has ruled that a hearing will be held prior to implementation of the project in approximately 10 years to determine whether Thornton must pay for additional state staff to assist in the decree's administration.

Consolidated Mutual (91CW062)

The court also ruled in a case involving the transfer of a part of the Lee Stewart and Eskins ditch to Consolidated Mutual, a water supplier for the northwestern Denver metropolitan area. This case was precipitated by administrative actions taken by the Division Engineer to stop winter time use of this irrigation water right for municipal purposes without a court approved transfer of the water right. The trial took several weeks due to the level of objector participation. Consolidated Mutual was able to obtain a decree which allows annual diversion of approximately 865 acre-feet annually, significantly less than the over 2000 acre-feet they had hoped to obtain. Of significance, the court ruled in this case that historic returns could be made downstream at the Metro waste water treatment plant rather than being required near their historic irrigation location even though there are intervening water rights which would be impacted. This decision appears to be based on the facts of this specific case.

City of Boulder and Colorado Water Conservation Board (90CW193)

The Water Court also approved the transfer of several irrigation and storage rights owned by the City of Boulder to instream flow purposes. This case involved the joint application by the City of Boulder and Colorado Water Conservation Board. The decree in this case will allow the City to leave its water in the stream in lieu of using the water for municipal use. In times of drought, the City may use the water subject to this case for other municipal uses.

Castle Meadows and Castle Pines Metropolitan District (92SA163 and 92SA164)

The Supreme Court of Colorado heard these appeals together (Castle Meadows Case No. 86CW281 and Castle Pines Case No. 86CW469) since they involved the same question. The question before the Supreme Court was whether an augmentation plan was inadequate because it failed to compensate for stream depletions that would accrue to the surface stream after the applicants ceased their withdrawals from not non-tributary Denver basin wells. This was the second appeal on this issue in the Castle Meadows case. The Supreme Court ruled that the court erred in allowing the offsetting of these stream depletions by anticipated increases in urban runoff, but declined to hold that holders of other water rights will be injured as a matter of law and therefore remanded the cases for determinations of whether such injury will result. Upon remand, the

Water Judge once again has ruled that there will not be injury from post pumping depletions and the State and Division Engineer have appealed this ruling again. Legislative action this year may resolve this long standing question.

Willows Water District (92SA304)

The Supreme Court of Colorado affirmed the trial courts ruling in Case No. 90CW156, Willows Water District, confirming the reuse of irrigation return flows in that case based upon the District's steps to maintain dominion and control of the irrigation returns. Public Service Company had appealed the original ruling in Willows indicating that the accounting and other steps taken by Willows were not adequate to maintain control of the water.

Clear Creek Water Users Alliance (92SA410)

The Supreme Court also affirmed the Trial courts ruling in Case No. 88CW34, application by the Clear Creek Water Users alliance. This case involved the transfer of conditional storage rights on Clear Creek to include additional sites to store up to 110,000 acre-feet of water. The trial court and then the Supreme Court found that the Alliance could transfer the conditional right.

Important On-Going Water Issues

U.S. Forest Service Special Use Permit Renewal

Seven entities (cities and ditch companies) that operate water resources facilities pursuant to special use permits which are issued and periodically renewed by the Forest Service faced renewal of those permits during the past year. In their efforts to determine the conditions under which the permits must be issued, the Forest Service has been reviewing the impact of the projects with respect to the goals and objectives of the forest plan for the Arapahoe and Roosevelt National Forests (local impacts) as well as evaluating the impacts of the projects on threatened and endangered species located on the Platte River in central Nebraska (far reaching impacts).

Under the forest plan, the Forest Service policy calls for the maintenance of sufficient water in the stream to fulfill the environmental purposes and needs of the stream. Some of the permit holders have dams located on streams in the forests which store, and have stored for many years, the entire flows of the streams during the winter months. The Forest Service indicates that the lack of water flowing past these structures during the winter does not meet the newer Forest Service policies that deal with maintenance of the ecosystem at all points within the stream system, and they are considering the requirement of a by-pass flow during these

winter months. Water users feel that to require water by-pass flows during the winter is a form of taking valuable water rights from those owners. The issuance of the final permits is due early in 1994 with much at stake for the water users.

Endangered Species Act (ESA)/ Section 7 Consultations

The ESA contains a requirement (section 7) that mandates that all water projects which have potential impacts on threatened and endangered species and that require a federal permit must consult with the U.S. Fish and Wildlife Service (USFWS) to determine mitigation, if any is necessary, to prevent the degradation of threatened or endangered species and/or their habitat. As was done in the review of the special use permits controlled by the Forest Service outlined in the previous section, a consultation is requested from the USFWS. The USFWS studies the particular situation and issues a biological opinion delineating the impacts of the project on the federally listed endangered and threatened species. Included in such an opinion is a list of reasonable and prudent alternatives that they feel must be included to enhance and protect the recovery of the species. As in the case of the seven entities referred to above, the requirement was to provide for replacement flows to the South Platte River near Julesburg in timing and amount. Because this replacement requirement can be on the order of thousands of acre feet, the impact of this act upon water use is very significant. The states of Nebraska, Wyoming, and Colorado have been working towards a basinwide approach to solving the threatened and endangered species issue.

Water Carriage Through the Natural Stream System

More and more emphasis is being given to the use of the natural stream system to transport water owned by an entity to the final place of use. In some cases the reach of stream being used is about 100 miles. Such uses make it very difficult in a stream system such as the South Platte River and tributaries. While the perception is that the stream operates like any pipeline, that is very far from the real case. Existing structures that have been in operation for over 100 years in most cases are not designed to by-pass the small flows that some entities want to run. Consequently, it is very difficult to measure water by a structure that is not properly designed and has not historically been required to by-pass such flows. Many times on the South Platte the amount of water desired to be transported is tantamount to putting a layer of water on top of the stream that is not much more than paper thick. The measurement of this is nearly impossible and is also difficult to explain to the ditch company who is asked to by-pass water that can't be measured. Because the stream system is impacted by wells, flows in the rivers are also affected by them. Finally, inadvertent diversions that are unmeasurable impact the transport of water through the system. These factors are made worse when tributaries and other inflows which are highly variable in flow are part of the reach water is being delivered through.

Other Environmental Issues

Related to the issues above is the management of effluent that is treated by the larger cities. The Denver Metropolitan Wastewater District will be spending large amounts of money to comply with water standards in the Platte River below Denver. Exactly how the solution will unfold remains to be seen. It does appear that some reregulation of the outflows from the sewer will occur and will make it easier to administer water in that stretch of stream where daily fluctuations presently vary about 200 cfs daily.

Impacts from federal water quality laws are coming with the reauthorization of the Clean Water Act. Wetlands and wildlife refuges are national agendas which will affect water use in Colorado. For the next decade or two, these issues will concern Colorado water users as they try to deal with the many ramifications of these federal initiatives. Many dollars will most likely be spent on these issues to try to protect water rights of Coloradoans.

Administration

If nothing changes upon appeal to the Supreme Court, the decision and decree issued by the water court in the Thornton case will create a significant increase in complexity of water administration. The decree calls for the Division Engineer to be involved in many of the operations of the water plan. Areas of involvement include monitoring of the recharge program (including changes to the format of the program based upon data submitted by the applicant), monitoring of water quality in relation to exchanges and water usage within the ditch, overseeing the establishment of dry land farming practices or other acceptable land use methods in the areas of dry up of irrigated land, monitoring and verifying exchanges, checking the many limitations on water diversions, replacements, storage, volumes, and evaluation of water share transfers within the districts. Plans are to prepare an administrative manual which outlines and explains the provisions that must be monitored and completed by the division office. Future complex decrees may require similar involvement.

Growth Impacts

The growth of population along the front range will continue to put pressure on water resources and their use. Cities will increase their quest for water supplies. New residents to the area will have to be educated on water policies as they adjust to the area. Initiatives like Go Colorado will initiate projects that use and compete for water resources. Environmental uses will gain popularity.

As competition for water resources increases, more emphasis will be exerted to pass statutes that force more efficient water use by water users. This may come about as a result of federal laws or from Colorado interests who need water sources.

Involvement with Water Users

Division personnel are involved with water users in a variety of settings. Water allocation and enforcement activities bring continual interaction. Additionally, the staff has been working with the metropolitan entities to develop the South Platte Water Rights Management System which will bring much more information about water conditions and activities to water users. The Division staff has also been part of the Metropolitan Water Supply Investigation in which metro water users are examining additional ways to increase water supplies and a well monitoring study being conducted in cooperation with the Lower South Platte and Central Colorado Water Conservancy Districts and Groundwater Appropriators of the South Platte. Negotiations are constantly being held with water users concerning new water right applications. Educationally, Division staff are also involved in water festivals and seminars which educate young and old persons about water in Colorado.

Workload Changes and Impacts

Position Description Questionnaires (PDQ's)

The personnel department initiated efforts to change the way that jobs are categorized over a year ago with the introduction of the System Maintenance Questionnaire (SMQ). Presently each position in the state is being re-evaluated and put into job categories based on information filled out on individual position description questionnaires (PDQ,s) which have replaced the old PC-8 forms. Much effort was put into filling out these forms since the forms would be used to place jobs in appropriate classes based upon the information contained in the PDQs. At the present time the evaluation of jobs has not been completed. Implementation of the results is scheduled to begin on January 1, 1995.

Due to the potential to change people's current classification, interest and concern is running high among employees within the division. It is hoped that the transformation is fair and adequately recognizes job responsibilities at appropriate levels. Significant changes in an individual's job description could greatly impact pay levels and overall employee morale. In a division where there are many people that work over and beyond the call of duty, potential ramifications are viewed very seriously and anxiously. It will be difficult to assume the increasing workload in the division if personnel feel they have been treated unfairly.

Fair Labor Standards Act (FLSA)

The division was notified this year that provisions of the Fair Labor Standards Act (FLSA) were applicable to water commissioners and technicians. As a result, any time worked over 40 hours in a week must be compensated by time and one-half rates and be approved ahead of time by the supervisor. A large number of commissioners work many hours over the 40 hour limit in the irrigation season. So that services to water users are not severely limited, the division requested a supplemental appropriation from the legislature to pay for some of the overtime hours. At this writing, the bill has been approved by the joint budget committee on a unanimous vote. It is uncertain what adjustments will be necessary if the supplemental funds are not authorized. There is some chance that services will have to be cut resulting in reduced levels of water administration.

Complex Water Rights Transfers

The recent change of water rights filed by Thornton (northern project) may be an indication of the time and resources that will be required to be expended in the future with complex transfers of water. The amount of manipulation and movement of water that is involved with such transfers requires significant resources in order to administer them in accordance with their decrees. As in the Thornton case, personnel may be able to be acquired to help in such administration. The manner in which such manpower will be procured in future transfers remains in question; however, the need for the resources will surely be real.

Coming Water Year

Goals and Objectives

South Platte Water Rights Management System (SPWRMS)

One of the highest priorities for the coming year is to complete Phase VI of the study. This will include additional training of the water commissioners in use of the custom computer applications and in verification of the system that is finally designed. Significant efforts will be made during the upcoming year to become accustomed to the system and make it useable to the water officials and the water users.

Dam Safety

The goals for dam safety include the inspection of all dams pursuant to the inspection schedule set by the State Engineer. In addition, it is expected that all required hydrologic analyses of dams will be completed by the scheduled deadline.

Hydrography

The goal for the upcoming year will be to improve the data capture and accuracy of the satellite monitoring system so that becomes even more useful for water administrators. New gaging stations are planned to be installed on the Cache la Poudre River at the canyon mouth, Boulder Creek at Orodell, and on the Middle Fork of St. Vrain Creek. Additional effort will go towards analyzing historic flow records on the South Platte River as they relate to the flow regime of the river since settlement of the plains region.

Federal Issues

Continued efforts will be made to deal with the federal water issues that currently face the basin. Time will be spent to explore the possibilities of looking for tradeoffs in the forests that will minimize impacts to water users that face by-pass flow requirements. Input on solutions to the issues surrounding the threatened and endangered species will be critical in minimizing the impacts of these issues on the water users in Colorado.

Personnel

The oncoming implementation of the PDQ's at the start of 1995 requires that every effort be put on creating a meaningful PDQ for all positions that is useful to personnel in their evaluation of the positions. Also, coming into compliance with the FLSA provisions with minimal stress and change will be a priority for the coming year. Hopefully, the legislature will provide funds to pay for at least some of the overtime put in by the water commissioners. Without that money or some other viable solution, a significant cutback in services is possible. The provisions related to personnel outlined in the long range plan will be initiated.

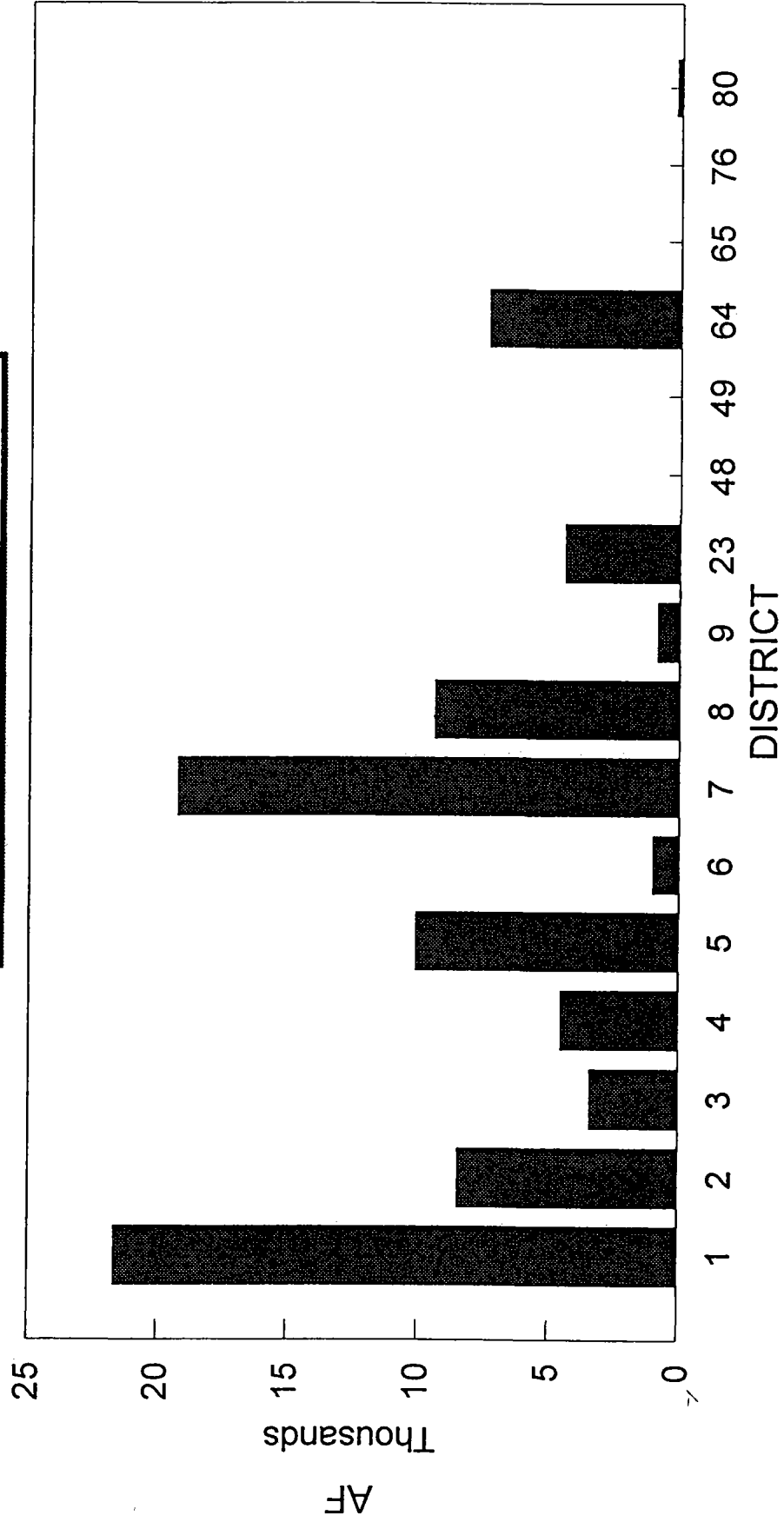
Data Enhancement

The division will complete investigation of the location, ID numbers, priorities, and diversions through the structures since 1975 in the coming year. Additional diversion information through wells will be added to the diversion records. Although the Thornton northern project has finally been decreed, an appeal is surely imminent. In addition, accounting forms and reports are needed to be finalized over the next two years.

Thornton Decree

Although the Thornton northern project has finally been decreed, an appeal probably requiring our participation is imminent. In addition, accounting forms and reports are needed to be finished over the next two years.

DIVISION 1
1993 AUGMENTATION RELEASES



TRANSMOUNTAIN DIVERSION SUMMARY - INFLOWS

WD	ID	NAME	RECIPIENT		10 YEAR AVG		CURRENT YEAR		SOURCE		
			STREAM	AF	DAYS	AF	DAYS	WD	ID	STREAM	
											AF
3	4604	WILSON SUPPLY DITCH	CACHE LA POUFRE RIVER	1243	34.4	1410	17	48	4604	SAND & DEADMAN CR.	
3	4608	DEADMAN DITCH	CACHE LA POUFRE RIVER	382.42	21.9	0	0	48	4608	DEADMAN CREEK	
3	4606	BOB CREEK DITCH	CACHE LA POUFRE RIVER	0	0	0	0	48	4606	NUNN CREEK	
3	4607	COLUMBINE DITCH	CACHE LA POUFRE RIVER	0	0	0	0	48	4607	DEADMAN CREEK	
3	4600	LARAMIE-POUDRE TUNNEL	CACHE LA POUFRE RIVER	17094.3	100.4	19690	110	48	4600	LARAMIE RIVER	
3	4605	SKYLINE DITCH	CACHE LA POUFRE RIVER	326.9	5.2	0	0	48	4605	LARAMIE RIVER	
3	4602	CAMERON PASS DITCH	CACHE LA POUFRE RIVER	64	16.3	0	0	47	4602	MICHIGAN RIVER	
3	4603	MICHIGAN DITCH	CACHE LA POUFRE RIVER	2820	187.4	5910	174	47	4603	MICHIGAN RIVER	
3	4601	GRAND RIVER DITCH	CACHE LA POUFRE RIVER	20443.7	132.5	24770	130	51	4601	COLORADO RIVER	
4	911	EUREKA DITCH	BIG THOMPSON RIVER	37.7	35.6	0	0	51	4602	COLORADO RIVER	
4	4634	ADAMS TUNNEL	BIG THOMPSON RIVER	234900	354.3	206400	350	51	4634	COLORADO RIVER	
6	4655	MOFFAT TUNNEL	SOUTH PLATTE RIVER	61690	344.1	34470	206	51	4655	FRASER RIVER	
7	4625	BERTHOUD PASS DITCH	CLEAR CREEK	793.9	100.1	1260	112	51	4625	FRASER RIVER	
7	4626	VIDLER TUNNEL	CLEAR CREEK	750.6	99.1	761	63	36	4626	MONTEZUMA CREEK	
8	653	ROBERTS TUNNEL	SOUTH PLATTE RIVER	47835.9	163.1	124200	319	36	4684	BLUE RIVER	
23	4611	BOREAS PASS DITCH	SOUTH PLATTE RIVER	56.9	26	258	73	36	4685	INDIANA CREEK	
23	4612	HOOSIER PASS DITCH	ARKANSAS RIVER	9038.3	138.7	11040	151	36	4683	BLUE RIVER	
23	4490	AURORA HOMESTAKE	SOUTH PLATTE RIVER	11825.3	113	13972	88	37	4644	HOMESTAKE CREEK	

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 1

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)							
				MINIMUM		MAXIMUM		MINIMUM		MAXIMUM	
				AF	DATE	AF	DATE	AF	DATE	AF	DATE
1	3653	BIJOU #2	SOUTH PLATTE	184	2/28/93	4620	10/31/93	4620	10/31/93	4620	4620
1	3816	EMPIRE	SOUTH PLATTE	1889	9/30/93	35208	4/30/93	35208	4/30/93	7137	7137
1	3817	JACKSON	SOUTH PLATTE	11633	9/30/93	27149	4/30/93	27149	4/30/93	11856	11856
1	3651	RIVERSIDE	SOUTH PLATTE	8287	9/30/93	63492	3/31/93	63492	3/31/93	16438	16438
1		OTHERS		4103.4		24432.5		24432.5		7802	7802
		TOTALS		26096.4		154901.5		154901.5		47853	47853

WATER DISTRICT 2
RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				MINIMUM		MAXIMUM		
				AF	DATE	AF	DATE	
2	3837	OASIS RES/BARR	SOUTH PLATTE	4871	8/31/93	28715	4/30/93	25273
2	3351	BULL CANAL #8	CLEAR CREEK	534	9/30/93	3339	6/30/93	836
2	3890	COAL RIDGE	LITTLE DRY CREEK	211	8/31/93	696	9/30/93	696
2	3861	GREAT WESTERN	WALNUT CREEK	974	4/30/93	3222	7/31/93	1793
2	3878	HORSE CREEK	SOUTH PLATTE	1876	9/30/93	15041	6/30/93	1931
2	3902	LORD	SOUTH PLATTE	0	11/30/92	439	4/30/93	0
2	3858	LOWER LATHAM	SOUTH PLATTE	5100	7/31/93	6023	1/31/93	5300
2	3876	MILTON	SOUTH PLATTE	6122	8/31/93	18205	5/31/93	15462
2	3877	PROSPECT	SOUTH PLATTE	0	9/30/93	4779	2/28/93	1766
2	3375	QUINCY	SOUTH PLATTE	2099	11/30/92	2679	4/30/93	2583
2	3903	STANDLEY	WOMAN CREEK	35554	10/31/93	41800	7/31/93	35554
2		OTHERS		1525.8		2718.8		2366.8
		TOTALS		58866.8		127656.8		93560.8

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 3

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				AF	MINIMUM	MAXIMUM	DATE	
3	3774	FOSSIL CREEK	FOSSIL CREEK	3434	11/1/92	10375	2/28/93	9288
3	3712	HALLAGAN	N FK POUUDRE RIVER	369	10/31/93	6428	5/31/93	369
3	3707	INDIAN CREEK/MTN SUPPLY	INDIAN CREEK	0	10/31/93	1906	5/31/93	0
3	3697	NORTH POUUDRE #2/DEMMEEL LAKE	N FK POUUDRE RIVER	1940	10/31/93	3363	1/31/93	1940
3	3702	NORTH POUUDRE #3/HACKEL LAKE	N FK POUUDRE RIVER	1926	5/31/93	2889	4/30/93	2170
3	3704	NORTH POUUDRE #4	N FK POUUDRE RIVER	450	9/30/93	692	7/31/93	479
3	3698	NORTH POUUDRE #5/BEE LAKE	N FK POUUDRE RIVER	2273	8/31/93	4166	5/31/93	2940
3	3699	NORTH POUUDRE #6	N FK POUUDRE RIVER	0	11/1/92	0	11/1/92	0
3	3716	NORTH POUUDRE #15	N FK POUUDRE RIVER	2651	11/1/92	5579	4/30/93	3948
3	3715	PARK CREEK	PARK CREEK	2971	9/30/93	7063	6/30/93	5562
3	3730	COBB LAKE	CACHE LA POUUDRE RIVER	4093	11/30/92	16610	7/31/93	13680
3	3713	SEAMAN/MILTON SEAMAN	N FK POUUDRE RIVER	2001	4/30/93	3336	7/31/93	3010
3	3780	CLAYMORE	CACHE LA POUUDRE RIVER	253	11/1/92	898	5/31/93	409
3	3772	SEELEY	CACHE LA POUUDRE RIVER	1038	9/30/93	1112	10/31/93	1112
3	3804	WARREN	CACHE LA POUUDRE RIVER	812	9/30/93	2157	6/30/93	1534
3	3786	WOOD	ROLLARD DRAW	1898	7/31/93	2363	5/31/93	2345
3	3678	JOE WRIGHT/CAMERON	CACHE LA POUUDRE RIVER	2547	9/30/93	7161	6/30/93	2730
3	3952	RAWHIDE	CACHE LA POUUDRE RIVER	13660	9/30/93	14871	4/30/93	13660
3	3732	HORSETOOTH	DIXON CANYON CREEK	101533	10/31/93	137883	6/30/93	101533
3	3725	DOUGLASS	CACHE LA POUUDRE RIVER	5034	9/30/93	7383	7/31/93	5968
3	3770	WINDSOR RESERVOIR #8	CACHE LA POUUDRE RIVER	684	9/30/93	1041	6/30/93	684
SUBTOTALS				149567		237276		173361

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 3 (CONTINUED)

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				AF	MINIMUM	DATE	MAXIMUM	
		BALANCE FROM PREVIOUS PAGE		149567			237276	173361
3	3728	NO. 8 ANNEX	CACHE LA POUUDRE RIVER	1218	9/30/93		3570	1218
3	3738	WINDSOR RESERVOIR	CACHE LA POUUDRE RIVER	4055	8/31/93		16967	9260
3	3679	CHAMBERS	JOE WRIGHT CREEK	815	11/1/92		7883	1045
3	3676	LONG DRAW/GRAND RIVER	LONG DRAW CREEK	4548	11/1/92		10519	4851
3	3744	BLACK HOLLOW	CACHE LA POUUDRE RIVER	3373	6/30/93		4936	4171
3	3735	CURTIS	CACHE LA POUUDRE RIVER	380	4/30/93		850	790
3	3740	KLUVER	CACHE LA POUUDRE RIVER	586	11/1/92		793	793
3	3742	LONG POND/WATER SUPPLY #5,6,7	CACHE LA POUUDRE RIVER	2128	8/31/93		3149	2949
3	3736	ROCKY RIDGE/WATER SUPPLY #1	CACHE LA POUUDRE RIVER	2315	9/30/93		3607	2935
3	3737	WATER SUPPLY #3	LONG POND RESERVOIR	176	3/31/93		4301	3628
3	3739	WATER SUPPLY #4	LONG POND RESERVOIR	344	9/30/93		782	423
3	3805	TERRY/LARIMER WELD	CACHE LA POUUDRE RIVER	2400	9/30/93		8145	3718
3	3726	WORSTER	SHEEP CREEK	0	8/31/93		3750	0
3	3775	TIMNATH	DUCK SLOUGH	2496	9/30/93		10070	3134
3	3770	WINDSOR LAKE	CACHE LA POUUDRE RIVER	684	9/30/93		1041	684
3	3683	BARNES	BARNES MEADOWS CREEK	942	3/31/93		2430	2428
3		OTHERS		8103.1			20671.9	9010.9
		TOTALS		184130.1			340740.9	224398.9

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 4

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		END OF YEAR	
				AF	DATE	AF	DATE	AF	DATE
4	4156	BOULDER & LARIMER/ISH	LITTLE THOMPSON	1289	9/30/93	4684	5/31/93	1306	
4	4110	BOYD LAKE	BIG THOMPSON	23818	9/30/93	40907	6/30/93	24030	
4	4513	CARTER	BIG THOMPSON	53027	8/31/93	108569	2/28/93	64323	
4	4116	DONATH	BIG THOMPSON	539	4/30/93	1153	5/31/93	673	
4	4166	HERTHA RESERVOIR	DRY CREEK HERTHA	804	11/30/92	1657	5/31/93	940	
4	4123	HORSETOOTH RESERVOIR	BIG THOMPSON	2777	3/31/93	7668	7/31/93	5545	
4	4487	LAKE LOVELAND	BIG THOMPSON	8899	11/30/92	11772	6/30/93	9936	
4	4136	LON HAGLER	BIG THOMPSON	882	8/31/93	3987	6/30/93	1817	
4	4137	LONE TREE	BIG THOMPSON	2661	8/31/93	8919	5/31/93	3854	
4	4133	LOVELAND LAKE	BIG THOMPSON	1010	11/30/92	2148	7/31/93	1160	
4	4134	BOEDECKER LAKE/MARINO	BIG THOMPSON	764	9/30/93	5571	5/31/93	3136	
4	4146	WELCH LAKE	BIG THOMPSON	3254	8/31/93	6147	6/30/93	5322	
4		OTHERS		1143		2682		2051	
		TOTALS		100867		205864		124093	

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 5

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				MINIMUM	MAXIMUM	AF	DATE	
5	4020	BEAVER POND	BEAVER CREEK	497	2161.6	2161.6	5/31/93	497
5	4071	FOOTHILLS	ST. VRAIN	1068	3604	3604	6/30/93	1116
5	4037	HIGHLAND #1	ST. VRAIN	506	874	874	5/31/93	774
5	4032	HIGHLAND #2	ST. VRAIN	2224	3536	3536	5/31/93	2859
5	4038	HIGHLAND #3	ST. VRAIN	350	1491	1491	2/28/93	1324
5	4073	MCINTOSH	ST. VRAIN	1324	2434	2434	6/30/93	1324
5	4063	PLEASANT VALLEY	ST. VRAIN	1794	3009	3009	5/31/93	2429
5	4067	OLIGARCHY RESERVOIR #1	ST. VRAIN	1146	1737	1737	5/31/93	1545
5	3905	UNION	ST. VRAIN	5056	12768	12768	5/31/93	6686
5	4076	LEFT HAND PARK	LEFT HAND CREEK	795	1548	1548	6/30/93	1228
5	4488	LEFT HAND VALLEY	LEFT HAND CREEK	0	1462.5	1462.5	5/31/93	1404
5	4010	BUTTON ROCK	ST. VRAIN	11940.3	16197.2	16197.2	6/30/93	15976
5	4379	NEW THOMAS	ST. VRAIN	1939	2254	2254	4/30/93	1970
5	4081	LAGERMANN	LEFT HAND CREEK	863	949	949	6/30/93	891
		TOTALS		29502.3	54025.3	54025.3		40023

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 6

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				MINIMUM		MAXIMUM		
				AF	DATE	AF	DATE	
6	4269	ALBION	ALBION CREEK	0	4/30/93	1070	11/30/92	1011
6	4172	BARKER	BOULDER CREEK	1789	5/31/93	11448	8/31/93	9956
6	4173	BASELINE	BOULDER CREEK	3118	4/30/93	5237	7/31/93	3141
6	4515	BOULDER	BOULDER CREEK	5941	9/30/93	11579	7/31/93	6798
6	4489	GOOSE	NORTH BOULDER CREEK	200	4/30/93	1036	10/31/93	1036
6	4199	GROSS	SOUTH BOULDER CREEK	29835	4/30/93	41588	7/31/93	39357
6	4178	HILLCREST	BOULDER CREEK	1701	11/30/92	1945	7/31/93	1807
6	4180	LEGGETT	BOULDER CREEK	1224	11/30/92	1408	7/31/93	1275
6	4212	MARSHALL	SOUTH BOULDER CREEK	5085	11/30/92	9580	7/31/93	5772
6	4214	MCKAY	SOUTH BOULDER CREEK	593	5/31/93	1245	6/30/93	1245
6	4185	PANAMA	BOULDER CREEK	538	9/30/93	4000	5/31/93	1500
6	4238	SILVER	NORTH BOULDER CREEK	770	5/31/93	3996	7/31/93	3996
6	4187	SIX MILE	BOULDER CREEK	700	11/30/92	1200	5/31/93	900
6	4230	VALMONT	SOUTH BOULDER CREEK	6598	11/30/92	7397	7/31/93	6949
		TOTALS		58092		102729		84743

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 8

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				MINIMUM		MAXIMUM		
				AF	DATE	AF	DATE	
8	3514	CHATFIELD	SOUTH PLATTE	20129	6/30/93	27046	3/31/93	20939
8	3532	CHERRY CREEK	CHERRY CREEK	11889	8/31/93	13217	1/31/93	12123
8	3832	MCLELLAN	DAD CLARK DITCH	4425.3	8/31/93	5773.8	6/30/93	5360.8
		TOTALS		36443.3		46036.8		38422.8

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 9

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		END OF YEAR	
				AF	DATE	AF	DATE	AF	DATE
9	4315	SODA #1, #2	BEAR CREEK	778	8/31/93	1680	4/30/93	1118	
9	4281	BOWLES	BEAR CREEK	1607	10/31/93	2062	4/30/93	1607	
9	4314	PATRICK	BEAR CREEK	1097	8/31/93	1166	1/31/93	1126	
9	3999	BEAR CREEK RESERVOIR	BEAR CREEK	1984	8/31/93	2077	4/30/93	2000	
9	4310	MARSTON	SOUTH PLATTE	15017	6/30/93	19034	4/30/93	18571	
9		OTHERS		1653.7		2532		1891.3	
		TOTALS		22136.7		28551		26313.3	

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 23

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						END OF YEAR
				MINIMUM		MAXIMUM		AF	DATE	
				AF	DATE	AF	DATE			
23	3904	ANTERO	S FK SOUTH PLATTE	19006	1/31/93	20125	8/31/93	19819		
23	3962	MONTGOMERY	MID FK SOUTH PLATTE	307	4/30/93	5030	10/31/93	5030		
23	3965	ELEVEN MILE	MID FK SOUTH PLATTE	96731	10/31/93	100554	6/30/93	96731		
23	4013	SPINNEY MOUNTAIN	MID FK SOUTH PLATTE	31087	4/30/93	50727	7/31/93	48612		
23		TOTALS		147131		176436		170192		

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 64

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				MINIMUM		MAXIMUM		END OF YEAR	
				AF	DATE	AF	DATE	AF	DATE
64	3552	PREWITT	SOUTH PLATTE	15200	1/31/93	28134	6/30/93	16801	
64	3551	NORTH STERLING	SOUTH PLATTE	4760	9/30/93	72299	4/39/93	18240	
64	3906	JULESBURG	SOUTH PLATTE	2286	10/31/93	22521	4/30/93	2286	
		TOTALS		22246		122954		37127	

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WATER DISTRICT 80

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)				END OF YEAR
				MINIMUM		MAXIMUM		
				AF	DATE	AF	DATE	
80	3550	CHEESMAN	S FK SOUTH PLATTE	52868	2/28/93	67992	10/31/93	67992
80	3829	WELLINGTON	N FK SOUTH PLATTE	2355	9/30/93	4227	6/30/93	2355
80		OTHERS		20		610		20
		TOTALS		55243		72829		70367

WATER DIVERSION SUMMARIES

WD	DITCHES REPORTING			OTHERS			ESTIMATED NUMBER OF DITCH VISITS	TOTAL DIVERSIONS (AF)	TOTAL DIVERSIONS TO STORAGE	TO IRRIGATION	
	WITH RECORD (1)	NO WATER AVAIL. (2)	NO WATER TAKEN (3)	NO INFO AVAIL. (4)	NO RECORDS	TOTAL DIVERSIONS (AF)				NO. OF ACRES IRRIGATED	AVG AF PER ACRE
1	108	0	83	52	4787	2840	576535	289359	285500	198225	1.44
2	122	0	32	22	4291	1512	446995	56507	354051	176814	2.0
3	137	0	46	15	2637	1556	631893	312036	467883	310890	1.5
4	45	14	34	11	1206	1675	222268	63582	145481	107706	1.35
5	83	0	18	10	1190	1665	149656	20090	111225	111780	.99
6	74	2	60	54	1659	3914	258058	67961	113097	100331	1.12
7	43	2	151	54	1375	734	211402	9722	56704	51250	1.10
8	167	29	159	38	4766	1359	440579	107387	53029	9781	5.42
9	42	0	9	7	1447	420	12657	2295	7660	2000	3.83
23	214	29	114	1	1206	669	126396	63429	24889	9742	2.55
48	48	0	27	0	65	1735	21934	0	21934	4176	5.25
49	4	0	0	0	40	2466	6427	0	6427	1555	4.13
64	87	4	20	12	1723	2352	319450	24685	289510	132778	2.18
65	7	0	16	0	83	10623	10623	1242	8094	4720	1.71
76	0	0	0	0	11	0	0	0	0	0	0
80	96	5	48	9	823	68889	68889	64117	4440	1914	2.31
TOT	1277	85	817	285	27309	22897	3503762	1082412	1949924	1223662	36.88

DISTRICT 9 DITCH VISITS COMBINED WITH DISTRICT 80

DISTRICT 48 DITCH VISITS COMBINED WITH DISTRICT 76

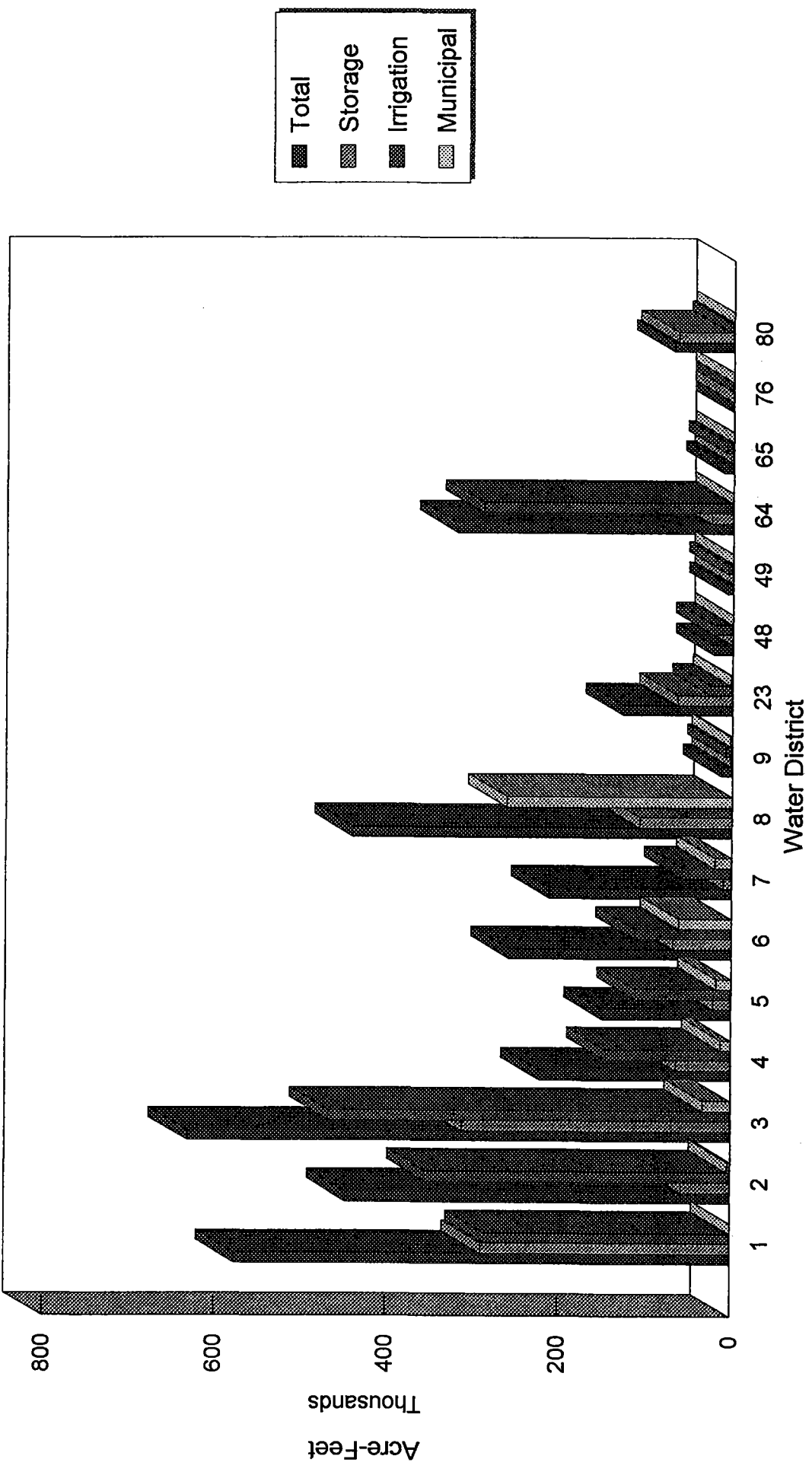
DISTRICT 49 DITCH VISITS COMBINED WITH DISTRICT 65

WATER DIVERSION SUMMARIES TO VARIOUS USE

NO	TRANS-MOUNTAIN OUTFLOW	TRANS-BASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
1			0	0	8592				
2			3255	0	0			15	9
3			32562	0	1172			96	
4			12124	0	0				
5			17417	53	0			28	
6			61141	1	5497				
7			19227	0	51597	33		9	
8			261816	580	4098		4125	10812	3
9			2227	19	61			2	
23			1406	0	683	3620	107		241
48			0	0	0				
49			0	0	0				
64			0	999	0				23
65			0	0	0		1287		
76			0	0	0				
80			101	0	0			288	
TOT			411276	1652	71700	3653	5519	11250	276

WD	AUGMENTATION	EVAPORATION	GEO THERMAL	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGE	OTHER
1	21668	364						64333	
2	8470							7947	
3	3401								
4	4532								
5	10095				601				
6	1004				1451				
7	19255								
8	9382	820			8				
9	846								
23	4410							1	
48	0								
49	0								
64	7368							8192	
65	0								
76	0								
80	196							3	
TOT	90627	1184			2060			80476	

DIVISION 1
1993 Divisions



WATER COURT ACTIVITIES
Calendar Year 1993

Applications made to water court this year.....	184
Consultations with Referee this year.....	194
Decrees Issued by Court this year.....	169
Dismissals.....	27
Complaints.....	1

TYPES OF RULINGS

TYPE OF RULING	NUMBER OF CASES	NUMBER OF STRUCTURES
Findings of Diligence on Conditional Rights	7	7
Cancellations of Conditional Rights	8	12
Conditional Rights Made Absolute	5	11
Surface Water Rights Adjudicated	24	98
Underground Water Rights Adjudicated	49	246
Water Storage Rights Adjudicated	21	35
Plans for Augmentation Adjudicated	28	628
Changes of Water Rights Adjudicated	55	185
Instream Flow Rights Adjudicated	6	6

CALLING PRIORITY

Date Call Initiated 1992-1993	Date Call Released 1992-1993	Structure Name	Appropriation Date	Administration Number	District	Person Placing Call	Districts Affected
1/2/1992	1/23/1992	Barr Lake	11/20/1885	13108.00000	2	Ken Timmerman	8,9,23,80
1/23/1992	1/10/1993	Chatfield	12/28/1977	46748.00000	8	Jim McClure	8
1/23/1992	1/14/1993	Denver Intake	12/06/1910	22254.00000	8	Jim McClure	9,2,3,80
1/24/1992	3/16/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	80,9,23
1/14/1993	3/31/1993	Denver Intake	5/1/1899	18018.00000	8	Jim McClure	80,9,23
3/16/1993	4/2/1993	Cheesman	9/24/1893	15973.00000	8	Jim McClure	80,9,23
3/31/1993	4/22/1993	Denver Intake	12/06/1910	22254.00000	8	Jim McClure	80,9,23
4/2/1993	4/22/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	23
4/22/1993	5/13/1993	Burlington	11/20/1885	13108.00000	2	Manuel Montoya	8,80,9,23
5/4/1993	5/11/1993	Highline Canal	1/18/1879	10610.00000	8	Jim McClure	23,8,80
5/12/1993	5/13/1993	Harmony	4/28/1895	16554.00000	64	Jim Hanrahan	1,2,3,4,5,6
5/12/1993	5/13/1993	Farmers Independent	11/20/1876	9128.00000	2	Keith Delventhal	2,7,8,9,80,23
5/13/1993	5/19/1993	Lowline	10/14/1882	11975.00000	64	Jim Hanrahan	1,2,3,4,5,6
5/13/1993	5/17/1993	Evans No. 2	10/05/1871	7948.00000	2	Keith Delventhal	2,7,8,9,80,23
5/17/1993	5/17/1993	Farmers Independent	11/20/1876	9128.00000	2	Bob Stahl	2,7,8,9,80,23
5/19/1993	5/20/1993	Ft. Morgan	10/18/1882	11979.00000	1	Mae Cuning	1,2,3,4,5,6,7,8,9,23,80
5/20/1993	5/21/1993	Upper Platte & Beaver	4/15/1888	13985.00000	1	Mae Cuning	1,2,3,4,5,6,7,8,9,23,80
5/21/1993	5/24/1993	Bijou	10/1/1888	14154.00000	1	Mae Cuning	1,2,3,4,5,6,7,8,9,23,80
5/24/1993	5/28/1993	Riverside Direct	5/31/1907	20969.00000	1	Mae Cuning	1,2,3,4,5,6,7,8,9,80
5/24/1993	5/25/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	23
5/25/1993	6/3/1993	Cheesman Bypass to Burlington	6/27/1889	14423.00000	8	Jim McClure	23,9,80
5/28/1993	6/3/1993	Prewitt Reservoir	5/25/1910	22059.00000	1	Mae Cuning	1,2,3,4,5,6,7
6/3/1993	6/15/1993	District 1 Reservoir	12/31/1929	31423.29219	1	Mae Cuning	1,2,3,4,5,6,7,8,9
6/3/1993	6/4/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	23
6/4/1993	6/6/1993	Cheesman Bypass to Burlington	6/27/1889	14423.00000	8	Jim McClure	23,9,80
6/6/1993	6/18/1993	Burlington Direct	11/20/1885	13108.00000	2	Ken Timmerman	8,9,80,23

CALLING PRIORITY (continued)

Date Call Initiated 1992-1993	Date Call Released 1992-1993	Structure Name	Appropriation Date	Administration Number	District	Person Placing Call	Districts Affected
6/15/1993	6/18/1993	Riverside Direct	5/31/1907	20969.00000	1	Mae Cuning	1,2,3,4,5,6,7
6/18/1993	6/22/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	23
6/18/1993	6/19/1993	Intake	12/06/1910	22254.00000	8	Jim McClure	8,9,23
6/18/1993	6/22/1993	Chatfield	12/28/1977	16748.00000	8	Jim McClure	8,9
6/22/1993	6/24/1993	Cheesman Bypass	6/27/1889	14423.00000	8	Jim McClure	9,23,80
6/24/1993	6/28/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	23
6/24/1993	6/28/1993	Intake Bypass to Burlington	12/6/1910	22254.00000	8	Jim McClure	8,9,80
6/28/1993	6/28/1993	Bijou	10/1/1888	14154.00000	1	Mae Cuning	1,2,3,4,5,6,7
6/28/1993	6/29/1993	Burlington Direct	11/20/1885	14423.00000	2	Ken Timmerman	2,8,9,80,23
6/28/1993	6/29/1993	Upper & Lower Platte & Beaver	4/15/1888	13985.00000	2	Mae Cuning	1,2,3,4,5,6,7
6/29/1993	7/14/1993	Ft. Morgan	10/18/1882	11979.00000	2	Mae Cuning	1,2,3,4,5,6,7,8,9,23,80
7/8/1993	7/14/1993	Farmers Independent	11/20/1876	9128.00000	2	Keith Delventhal	2,7,8,9,80,23
7/14/1993	7/15/1993	Iliff & Platte Valley	10/1/1883	12327.00000	64	Jim Hanrahan	1,2,3,4,5,6,7,8,9,23,80
7/15/1993	7/21/1993	Bijou	10/1/1888	14154.00000	1	Mae Cuning	1,2,3,4,5,6,7,8,9,23,80
7/16/1993	7/21/1993	Burlington	11/20/1885	14423.00000	2	Keith Delventhal	2,8,9,80,23
7/21/1993	8/2/1993	Upper Platte & Beaver	4/15/1888	13985.00000	1	Mae Cuning	1,2,3,4,5,6,7
7/21/1993	7/22/1993	Burlington Bypass	11/20/1885	14423.00000	2	Keith Delventhal	2,7,8,9,80,23
7/22/1993	7/26/1993	Farmers Independent	11/20/1876	9128.00000	2	Keith Delventhal	2,7,8,9,80,23
7/26/1993	7/27/1993	Platteville	10/15/1873	8689.00000	2	Keith Delventhal	2,7,8,9,80,23
7/27/1993	8/6/1993	Evans No. 2	10/5/1871	7948.00000	2	Keith Delventhal	2,7,8,9,23,80
8/2/1993	8/11/1993	Deuel & Snyder	4/7/1884	12516.00000	1	Mae Cuning	1,2,3,4,5,6
8/6/1993	8/7/1993	Platteville	10/15/1873	8689.00000	2	Keith Delventhal	2,7,8,9,23,80
8/7/1993	9/13/1993	Evans No. 2	10/5/1871	7948.00000	2	Bob Stahl	2,7,8,9,23,80
8/11/1993	8/8/1993	Upper Platte & Beaver	4/15/1888	13985.00000	1	Mae Cuning	1,2,3,4,5,6
9/8/1993	9/9/1993	District 1 Recharge	6/12/1972	44723.00000	1	Mae Cuning	1,2,3,4,5,6
9/13/1993	9/14/1993	Burlington Direct	11/20/1885	14423.00000	2	Keith Delventhal	2,8,9,23,80

CALLING PRIORITY (continued)

Date Call Initiated 1992-1993	Date Call Released 1992-1993	Structure Name	Appropriation Date	Administration Number	District	Person Placing Call	Districts Affected
9/14/1993	10/18/1993	Barr Lake	1/13/1909	21502.00000	2	Keith Delventhal	2,8
9/14/1993	9/16/1993	Cheesman	6/27/1889	14423.00000	8	Jim McClure	80,23
9/14/1993	9/15/1993	Denver Intake	5/1/1899	18018.00000	8	Jim McClure	9,80
9/16/1993	9/17/1993	Denver Intake	6/30/1880	11139.00000	8	Jim McClure	8,80,23
9/17/1993	11/4/1993	Denver Intake	5/1/1899	18018.00000	8	Jim McClure	9,80,23
9/28/1993	11/4/1993	Cheesman	6/27/1889	14423.00000	80	Jim McClure	80,23
10/18/1993	11/4/1993	Chatfield	12/28/1977	10748.00000	8	Jim McClure	8

OFFICE ADMINISTRATION AND WORKLOAD

Staffing

Dam Safety Engineers	4
Water Resource Engineers	6
Hydrographers	4
Clerical Staff	2
Full-Time Water Commissioners	14
Permanent Part-Time Water Commissioners	3
Temporary Water Commissioners	<u>5</u>
TOTAL STAFF	38

Statistics

Decreed Surface Rights	11,969
Number of Well Permits	108,294
Number of Plans for Augmentation	458
Number of Dams	748
Number of Active Substitute Supply Plans	72
Number of Meetings with Water Users	185
Number of Public Meetings	46
Number of Contacts to give Public Assistance	20,000

1993 Annual Report
Water Division 5

Field inspections regarding abandonments, water right applications, and well replacements will also be costly, time consuming, and necessary.

Quality control and data handling capability with systems design for user-supplied information is becoming increasingly important and will receive attention.

The Fair Labor Standards Act (FLSA) is being imposed with unknowns on how it will affect us. Hopefully, a system and money will be adequate to offset any reduction in time or efficiencies.

B. 1994 WATER YEAR

1. Key Objectives

Our objectives are quite broad, yet simply stated are as follows:

★ **Water Rights Management**

- Establish the capability to administer a total river call prompted by either in-state priorities or an interstate water compact requirement.
- Uphold all other statutory duties of the State Engineer's Office.

★ **Water Records and Information**

- Provide the public with service regarding water usage.
- Address the public's needs in water resources.

In order to fulfill these Objectives, the following Goals must be attained:

- It is imperative that we have a complete and reliable tabulation of water rights. (We should have a complete and reliable tabulation of permitted wells and, likewise, a complete and reliable dams database.)
- All water usage and consumption must be inventoried and we need to possess the ability to monitor the same on a real-time basis.
- We need to know where augmentation and exchanges are taking place and in what amounts.
- We must know the locations and amounts of the water supply at any given time.
- We have to fully develop our personnel and must have an educated public willing to cooperate with us. We must also work with the legislature and other governmental agencies in order to provide for our needs.

We can begin to reach these goals as more of the Work Projects below are completed.

a. Projected Work Items for 1994

The usual business of:

- Administration of water rights,
- Collecting and recording diversion data,
- Reservoir inspections,
- Well inspections,
- Reviewing water rights applications.

The following are specialized **Work Items for 1994 and beyond:**

- (1) Train Water Commissioners in:
 - Standardization of municipal record keeping.
 - Field inspecting augmentation plans.
 - Creating schematics and coding for augmentation plans.
- (2) Inventory all fee wells and generate records. (Proposal to spend SB-200 funds to accomplish)
 - Determine locations and establish mapping accordingly.
 - Determine usage.
 - Determine compliance with permit and decree.
 - Prepare ownership directory.
 - Send orders.
- (3) Lower the "NUC - No Information Available" level by 30 in each Water District.
- (4) For Augmentation Plans:
 - Finish tabulation of augmentation plans.
 - Establish an augmentation plan database that can be used for administration.
 - Establish an accounting system for each active augmentation plan (for one major and five minor augmentation plans per district each year).
 - Install control structures and measuring devices as necessary.
 - Obtain field data.
 - Administer.

**1993 Annual Report
Water Division 5**

- (5) Develop computer accounting spreadsheets for:
 - Blue River Diversion Project
 - Continental-Hoosier System
- (6) Organize and implement program for hydrographic data collection for Division 5.
- (7) Inventory and perform an on-site inspection of all test wells and monitoring holes. (Proposal to spend SB-200 funds to accomplish)
 - (a) Take steps necessary to bring them into compliance with State regulations.
 - (b) Insure proper abandonment where necessary.
- (8) Design system to solicit user-supplied information.
- (9) Complete backlog of hydrographic records.
- (10) CRDSS - Irrigated Acreage 85% complete.
- (11) Color-code all pending court cases with SEO-opposition.

b. Problems, Concerns, Limitations to Overcome

The main concern is the reduced ability of the staff to accomplish all that needs to be done in almost any area. The continuing areas of concern are:

- Existing mapping is being replaced as it wears out.
- Do not have the hydrographic staff to handle the river accounting.
- Number and complexity of Augmentation Plans are prohibitive to administer with existing staff until software and databases are developed along with appropriate accounting sheets.
- Some work is still needed on the tabulation. We need to include and/or revise augmentation entries.

1993 Annual Report
Water Division 5

- Ten percent of diversion structures have no record at all, while others are very minimal with a smattering of user-supplied data.
- Active administration of springs, wells, and gravel pits will be difficult as well as counterproductive if water volume were the main criteria.
- Staff gages and capacity tables are still needed for many reservoirs.
- Well inspections need to be increased as inconsistencies are increasingly evident.
- Budget constraints are deepening.
- Judicial decisions (while much better) continue to be made with immediate caseload efficiency in mind rather than astute sensitivity to water laws wherein stipulated settlements are reached.
- There has been a large conversion of agricultural lands and waters to commercial and municipal development in Water District 36 and the decretal information and the data-gathering network is just now beginning with a new Water Commissioner.

2. Changes That Will Impact The Division

The people, the governor, and the legislature all talk of water planning and management, public benefits, and water quality. The discussion of these issues has been fragmented and unfocused--even ill-informed. The debate is laced with buzz words that mean different things to different people, with confused analyses which mix the ends to be achieved with the means of achieving those ends, and with misunderstandings and misconceptions about Colorado's current laws and policies. Whatever one's point of view about those issues, Colorado clearly has yet to reach a consensus on how they should be addressed. In the meantime as administrators we make many decisions with regard to beneficial use and waste of water. Clearly, change is inevitable and decisions made can help to shape the future.

TRANSMOUNTAIN DIVERSION SUMMARY - INFLOWS

1993

RECIPIENT 1983-1992										SOURCE		
WD	ID	Name	Stream	10-Year Average		Current Year		WD	ID	Stream		
				AF	Days	AF	Days					
36	4905	STEVENS & LEITER WELL	TENMILE CREEK	32.6	61	222.00	325	11		ARKANSAS RIVER		
38	4682	ROARING FORK BYPASS FLOW	ROARING FORK RIVER	1,763.8	216	2,102.00	365	11		TWIN LAKES		
45	577	DIVIDE-HIGHLINE FEEDER	DIVIDE CREEK	1,318.9	61	1,134.00	33	40		CLEAR FORK MUDDY CREEK		
50	4600	SARVIS CREEK DITCH	RED DIRT CREEK	1,328.8	173	769.00	152	58		SARVIS CREEK		
53	4716	DOME CREEK DITCH	EGERIA CREEK	264.3	44	350.00	59	58		BEAR CREEK		
53	4715	STILLWATER DITCH	EGERIA CREEK	2,154.2	95	2,220.00	105	58		BEAR CREEK		
72	4713	REDLANDS POWER CANAL	COLORADO RIVER	513,221.0	345	521,168.00	358	42		GUNNISON RIVER		
72	4711	GRAND JUNCTION MUNICIPAL	COLORADO RIVER	7,517.8	365	7,115.00	365	42		KANNAH CREEK		
72	4712	FRUITA WATER WORKS	COLORADO RIVER	125.7	110	0	0	73		LITTLE DOLORES RIVER		
				TOTAL:		535,080.00						

TRANSMOUNTAIN DIVERSION SUMMARY - OUTFLOWS

1993

RECIPIENT										SOURCE		
WD	ID	Name	Stream	10 - Year Average		Current Year		WD	ID	Stream		
				AF	Days	AF	Days					
7	927	STRAIGHT CREEK TUNNEL	CLEAR CREEK	343.7	219	411	365	36		STRAIGHT CREEK		
7	4626	VIDLER TUNNEL	CLEAR CREEK	731.3	91	761	63	36		SNAKE RIVER		
23	4685	BOREAS PASS DITCH	TARRYALL CREEK	40.1	18	258	73	36		BLUE RIVER		
23	4699	HOOSIER TUNNEL	MAIN FORK OF SO. PLATTE RIVER	9,879	128	12,890	181	36		BLUE RIVER		
80	4684	ROBERTS TUNNEL	MAIN FORK OF SO. PLATTE RIVER	34,290	169	123,800	321	36		BLUE RIVER		
11	4641	COLUMBINE DITCH	TENNESSEE CREEK	1,839	117	2,480	144	37		SO. FORK OF EAGLE RIVER		
11	4642	EWING DITCH	TENNESSEE CREEK	1,239	136	1,630	149	37		SO. FORK OF EAGLE RIVER		
11	4614	HOMESTAKE TUNNEL	SO. PLATTE VIA ARKANSAS RIVER	22,961	238	27,990	104	37		HOMESTAKE CREEK		
11	4648	WURTZ DITCH	TENNESSEE CREEK	2,659	119	4,030	147	37		SO. FORK OF EAGLE RIVER		
11	4625	BOUSTEAD TUNNEL	LAKE FORK CREEK	52,028	166	88,720	365	38		FRYINGPAN RIVER		
11	4613	BUSK-IVANHOE TUNNEL	LAKE FORK CREEK	5,785	179	4,940	134	38		FRYINGPAN RIVER		
11	4617	TWIN LAKES TUNNEL	LAKE FORK CREEK	36,959	355	63,200	365	38		ROARING FORK RIVER		
3	4601	GRAND RIVER DITCH	CACHE LA POUFRE RIVER	19,216	130	24,770	130	51		NO. FORK COLORADO RIVER		
3	4602	EUREKA DITCH	CACHE LA POUFRE RIVER	45.7	37	0	0	51		NO. FORK COLORADO RIVER		
4	4634	ALVA B ADAMS TUNNEL	BIG THOMPSON RIVER	231,654	354	214,017	362	51		NO. FORK COLORADO RIVER		
6	4655	MOFFAT TUNNEL	BOULDER CREEK	62,325	352	35,640	234	51		FRASER RIVER		
7	4625	BERTHOUD PASS DITCH	CLEAR CREEK	614.1	80	1,280	132	51		FRASER RIVER		
6	505	AUGUST P GUMLUCK TUNNEL	BOULDER CREEK VIA FRASER RIVER	INCLUSIVE IN MOFFAT TUNNEL				51		WILLIAMS FORK RIVER		
6	4603	VASQUEZ PIPELINE	BOULDER CREEK VIA FRASER RIVER	INCLUSIVE IN MOFFAT TUNNEL				51		WILLIAMS FORK RIVER		
40	758	LEON TUNNEL CANAL	SURFACE CREEK	1,787	92	1,711	66	72		LEON CREEK		
				TOTAL:		608,528.00						

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
36	3533	BLACK LAKE	BLACK CREEK	1,997	11/01/92	1,997	7/01/93	1,997	7/01/93	1,997
	3535	BUFFEHR RESERVOIR	TENMILE CREEK	62	3/31/93	99.3	6/30/93	99.3	6/30/93	74.5
	3538	CATARACT LAKE	CATARACT CREEK	1,652	11/01/92	1,652	7/01/93	1,652	7/01/93	1,652
	3575	CLINTON GULCH RESERVOIR	TENMILE CREEK	3,650	6/17/93	4,450	8/10/93	4,450	8/10/93	4,400
	4512	DILLON RESERVOIR BRDP	BLUE RIVER	203,070	4/20/93	259,279	6/24/93	259,279	6/24/93	231,117
	3542	GOOSE PASTURE TARN	BLUE RIVER	922	11/01/92	922	6/30/93	922	6/30/93	922
	3543	GREEN MOUNTAIN RES	BLUE RIVER	64,452	5/11/93	153,005	7/31/93	153,005	7/31/93	131,412
	3548	HOAGLAND RESERVOIR NO 1	ELLIOTT CREEK	30	7/16/93	100	6/02/93	100	6/02/93	50
	3606	OFFICER GULCH POND	TENMILE CREEK	100	11/01/92	100	7/01/93	100	7/01/93	100
	3565	REYNOLDS RESERVOIR	SODA CREEK	157	11/01/92	157	7/01/93	157	7/01/93	157
	3569	UPPER BLACK CREEK RES	BLACK CREEK	1,672	11/01/92	1,672	7/01/93	1,672	7/01/93	1,672
	3570	UPPER BLUE LAKE RES CHS	BLUE RIVER	0	11/01/92	2,119.3	7/18/93	2,119.3	7/18/93	0
	3571	WAY RESERVOIR	BEAVER CREEK	45	7/21/93	94	6/02/93	94	6/02/93	60
36		Total of All Others < 50 AF		198		273		273		206
36		Total For District 36		278,007.00		425,919.60		425,919.60		373,819.50

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						
				Minimum		Maximum		End Of Year		
				AF	Date	AF	Date			
37	3600	BENCHMARK LAKE	EAGLE RIVER	130	11/01/92	130	5/01/93	130	5/01/93	130
	3608	BLACK LAKE	GORE CREEK	7	11/01/92	326	6/01/93	326	6/01/93	326
	3510	BLACK LAKE NO 2	GORE CREEK	90	11/01/92	90	6/17/93	90	6/17/93	90
	3698	BOLTS LAKE	CROSS CREEK	38	10/31/92	78	6/01/93	78	6/01/93	38
	3513	CHALK MOUNTAIN RESERVOIR	EAGLE RIVER	204.1	11/01/92	204.1	6/16/93	204.1	6/16/93	204.1
	3699	CLIMAX MOLY NO 4 RES	EAGLE RIVER	15	10/31/93	500	11/01/92	500	11/01/92	15
	3517	G G RESERVOIR	EBY CREEK	0	11/01/92	177	5/01/93	177	5/01/93	0
	4516	HOMESTAKE RESERVOIR	HOMESTAKE CREEK	16,785	5/01/93	42,881	8/06/93	42,881	8/06/93	42,447
	3520	L E D E RESERVOIR	GYPSUM CREEK	10	11/01/92	355	7/12/93	355	7/12/93	324
	3522	NOECKER RESERVOIR	EBY CREEK	55	10/31/93	159	6/30/93	159	6/30/93	55
	3527	ROBINSON RESERVOIR	EAGLE RIVER	1,900	11/01/92	2,200	7/27/93	2,200	7/27/93	2,100
	3524	SYLVAN LAKE	BRUSH CREEK	452	11/01/92	452	6/01/93	452	6/01/93	452
	3530	WELSH RESERVOIR	ALKALI CREEK	10	11/01/92	105	5/24/93	105	5/24/93	75
37		Total of All Others < 50 AF		95.4		121.4		121.4		95.4
37		Total for District 37		19,791.50		47,778.50		47,778.50		46,351.50

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
38	3711	ALICIA LAKE RESERVOIR	LIME CREEK	673	11/01/92	673	6/01/93	673	6/01/93	673
	4000	BEAVER LAKE	CRYSTAL RIVER	73	11/01/92	73	6/01/93	73	6/01/93	73
	3722	CONSOLIDATED RESERVOIR	WEST COULTER CREEK	0	11/01/92	880	5/01/93	880	5/01/93	711
	3774	CRAWFORD DAM NO 1	BLUE CREEK	160	11/01/92	160	6/01/93	160	6/01/93	160
	3773	CRAWFORD DAM NO 2	BLUE CREEK	56	11/01/92	56	6/01/93	56	6/01/93	56
	3721	CROOKED CREEK RES	LIME CREEK	40	11/01/92	40	6/01/93	40	6/01/93	40
	4095	FLANNERY RESERVOIR	THREE MILE CREEK	52.1	11/01/92	52.1	6/01/93	52.1	6/01/93	52.1
	3727	HIMMELAND RESERVOIR	FRYINGPAN RIVER	92	11/01/92	92	6/01/93	92	6/01/93	92
	3729	HUGHES RESERVOIR	THREE MILE CREEK	0	11/01/92	78	9/10/93	78	9/10/93	78
	3732	IVANHOE RESERVOIR	FRYINGPAN RIVER	0	11/01/92	926	6/19/93	926	6/19/93	0
	3832	JACOBSEN LAKES & PONDS	ROARING FORK RIVER	225	11/01/92	225	6/01/93	225	6/01/93	225
	3736	LAKE ANN RESERVOIR	SOPRIS CREEK	0	11/01/92	436	6/23/93	436	6/23/93	123
	3713	RUEDI RESERVOIR	FRYINGPAN RIVER	49,234	5/14/93	102,493	8/14/93	102,493	8/14/93	95,135
	3744	SPRING PARK RESERVOIR	CATTLE CREEK	1,168	4/26/93	1,700	5/05/93	1,700	5/05/93	1,200
	3747	THOMAS RESERVOIR	THOMAS CREEK	160	11/01/92	160	6/01/93	160	6/01/93	160
	3753	UPPER CHAPMAN RES	FRYINGPAN RIVER	119	11/01/92	119	6/01/93	119	6/01/93	119
	3750	VAN-CLEVE FISHER RES	MESA CREEK	--	--	--	--	--	--	--
	3752	VON SPRINGS RES NO 2	COULTER CREEK	0	11/01/92	80	6/08/93	80	6/08/93	0
	3759	WILDCAT RESERVOIR	SNOWMASS CREEK	1,100	11/01/92	1,100	6/01/93	1,100	6/01/93	1,100
	3760	WOODS LAKE RESERVOIR	LIME CREEK	300	11/01/92	300	6/01/93	300	6/01/93	300
38		Total of All Others < 50 AF		316		603		603		335
38		Total for District 38		53,768.10		110,246.10		110,246.10		100,632.10

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
45	3524	ANDERSON POND NO 1	COLORADO RIVER	--	--	--	--	--	--	--
	3642	CENTENIAL LAKE	COLORADO RIVER	--	--	--	--	--	--	--
	3603	PORTER RESERVOIR	THREE MILE CREEK	16.00	11/01/92	222.00	5/31/93			47.30
45		Total of All Others < 50 AF		5.00		82.00				39.00
45		Total For District 45		21.00		304.00				86.30

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
50	3644	ALBERT RESERVOIR	ALBERT CREEK	0	7/25/93	125	6/03/93	0		
	3606	ANTELOPE RESERVOIR	ANTELOPE CREEK	6	7/22/93	368	5/28/93	104		
	3651	BASIN RESERVOIR	MUDDY CREEK	0	11/01/92	110	6/01/93	10		
	3645	BINCO RESERVOIR	TROUBLESOME CREEK	0	8/08/93	516	6/01/93	10		
	3616	HEINI RESERVOIR	PINTO CREEK	40	6/11/93	65	6/01/93	40		
	3618	HINMAN RESERVOIR	PASS CREEK	300	11/01/92	611	6/01/93	350		
	3623	LAKE AGNES	MUDDY CREEK	400	8/31/93	431	6/24/93	405		
	3648	LEWIS RESERVOIR	PINTO CREEK	0	11/01/92	50	6/09/93	0		
	3646	MARTIN RESERVOIR	MUDDY CREEK	0	8/09/93	181	5/04/93	25		
	3625	MATHESON RESERVOIR	TROUBLESOME CREEK	0	11/01/92	1,074	6/08/93	700		
	3627	MC ELROY RESERVOIR	PASS CREEK	0	11/01/92	240	6/06/93	0		
	3629	MC MAHON RESERVOIR NO 2	RED DIRT CREEK	250	11/01/92	3,509	6/01/93	600		
	3655	MILK CREEK RESERVOIR	MUDDY CREEK	25	11/01/92	100	6/01/93	30		
	3656	NORTH MEADOW RESERVOIR (AKA MARTIN LILY POND)	MUDDY CREEK	0	11/01/92	200	6/03/93	0		
50	3631	OAKS RESERVOIR	MUDDY CREEK	9	10/31/93	40	6/06/93	9		
	3632	PARSONS RESERVOIR	MUDDY CREEK	3	11/01/92	107	6/04/93	10		
	3642	WHITELEY PEAK RESERVOIR	MUDDY CREEK	11	11/01/92	773	6/03/93	300		
	3643	WOODS RESERVOIR	MUDDY CREEK	18	10/31/93	67	6/05/93	18		
50		Total of All Others < 50 AF		72.00		200.00		74.00		
50		Total For District 50		1,134.00		8,767.00		2,685.00		

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
51	4006	BULL RUN RESERVOIR	WILLIAMS FORK RIVER	75	10/31/93	100	6/04/93	75		
	4012	COTTONWOOD RESERVOIR	GARDINER CREEK	65	11/01/92	129.4	5/01/93	65		
	3715	EAST BRANCH RESERVOIR	WILLIAMS FORK RIVER	1,450	10/31/93	2,000	6/01/93	1,450		
	3660	F W LINKE NO 2 RESERVOIR	TEN MILE CREEK	0	11/01/92	61.2	5/10/93	0		
	3665	HANKINSON RESERVOIR	FRASER RIVER	116	11/01/92	116.7	10/31/93	116.7		
	4009	JACK ORR RESERVOIR	COLORADO RIVER	245	11/01/92	245	6/01/93	245		
	3752	KINGS RESERVOIR	BUFFALO CREEK	256	11/01/92	352	6/01/93	300		
	4055	LAKE GRANBY	COLORADO RIVER	241,663	2/28/93	484,310	7/21/93	437,986		
	3679	LANGHOLEN RESERVOIR	BATTLE CREEK	13	11/01/92	65	6/03/93	18		
	3686	MEADOW CREEK RES	RANCH CREEK	1,694	11/01/92	5,642	6/17/93	3,985		
	3687	MOORE RESERVOIR	WILLIAMS FORK RIVER	60	10/31/93	100	6/16/93	60		
	3688	MUSGRAVE RESERVOIR	CORRAL CREEK	5	11/01/92	350	6/05/93	5		
	3693	ROCK CREEK RESERVOIR	ROCK CREEK	0	11/01/92	0	6/01/93	0		
	3694	SCHOLL RESERVOIR	CORRAL CREEK	0	11/01/92	250	6/18/93	0		
	3695	SHADOW MOUNTAIN RES	COLORADO RIVER	16,714	6/16/93	18,057	12/10/92	17,892		
	4051	SUN VALLEY RESERVOIR	NO. FORK OF COLO RIVER	72.5	11/01/92	72.5	6/01/93	72.5		
	3701	SYLVAN RESERVOIR	LITTLE MUDDY CREEK	0	11/01/92	1,133	6/03/93	0		
	3738	UTE CREEK RESERVOIR	WILLIAMS FORK RIVER	65	8/13/93	100	6/11/93	70		
	3709	WILLIAMS FORK RES	WILLIAMS FORK RIVER	58,376	5/12/93	97,279	7/11/93	82,305		
	3710	WILLOW CREEK RESERVOIR	WILLIAMS FORK RIVER	7,167	11/20/92	10,260	6/03/93	9,421		
51		Total of All Others < 50 AF		168		319		211		
51		Total for District 51		328,205.20		620,941.80		554,277.20		

RESERVOIR STORAGE SUMMARIES BY DISTRICT

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		End Of Year	
				AF	Date	AF	Date		
53	3959	CLYDE RESERVOIR	EGERIA CREEK	0	11/01/92	66	6/01/93	0	
	3960	CRESENT LAKE RESERVOIR	DERBY CREEK	75	10/31/93	237	7/16/93	75	
	3961	ED W HARPER RESERVOIR	EGERIA CREEK	68	10/31/93	194	6/01/93	68	
	3962	EGERIA RESERVOIR	EGERIA CREEK	0	11/01/92	168	6/01/93	0	
	3966	GRIMES BROOKS RESERVOIR	RED DITCH CREEK	79	11/01/92	426	6/16/93	186	
	3968	HADLEY RESERVOIR	EGERIA CREEK	0	10/31/93	169	6/01/93	0	
	3971	HEART LAKE RESERVOIR	DEEP CREEK	2,785	10/31/93	3,275	7/01/93	2,785	
	3972	HIDDEN SPRINGS RESERVOIR	HORSE CREEK	50	11/01/92	50	6/01/93	50	
	3974	JONES NO 1 RESERVOIR	SHEEP CREEK NO 2	0	11/01/92	250	6/19/93	0	
	3975	JONES NO 2 RESERVOIR	SHEEP CREEK NO 2	72	11/01/92	400	5/23/93	133	
	3978	KELLY RESERVOIR	EGERIA CREEK	71	10/31/93	190	5/07/93	71	
	3982	LUARK RESERVOIR	SPRING CREEK	10	11/01/92	90	6/14/93	20	
	4020	MACKINAW LAKE RES	DERBY CREEK	0	11/01/92	138	7/16/93	18	
	3986	MORRIS RESERVOIR	TOPONAS CREEK	0	11/01/92	75	6/15/93	0	
	3988	NEWTON GULCH RES	KING CREEK	0	11/01/92	114	6/03/93	0	
	3992	REID NO 3 RESERVOIR	EGERIA CREEK	93	11/01/92	93	6/14/93	93	
	3995	STERNER RESERVOIR	EGERIA CREEK	0	11/01/92	194	6/14/93	0	
	3997	SWEETWATER RESERVOIR	SWEETWATER CREEK	490	11/01/92	490	5/06/93	490	
	3999	TONIER GULCH RES	TOPONAS CREEK	20	11/01/92	60	6/01/93	20	
	4001	TOPONAS ROCK NO 2 RES	TOPONAS CREEK	0	9/14/93	197	6/14/93	0	
	4004	WOHLER RESERVOIR	ELK CREEK	10	11/01/92	82.6	6/01/93	67.6	
53		Total of All Others < 50 AF		100.2		336.6		127.2	
53		Total for District 53		3,923.20		7,295.20		4,203.80	

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)						End Of Year
				Minimum		Maximum		Date	Date	
				AF	Date	AF	Date			
72	3833	ANDERSON BROS RES NO 1	LEON CREEK	0	11/01/92	216.30	6/04/93	0	0	
	3887	BIG BEAVER RESERVOIR	BULL CREEK	0	11/01/92	126.70	5/06/93	0	0	
	3904	BIG CREEK NO 1 RESERVOIR	BIG CREEK	0	11/01/92	0	6/01/93	0	0	
	3905	BIG CREEK NO 3 RESERVOIR	BIG CREEK	558.10	4/26/93	1,549.40	6/01/93	1,549.40	1,549.40	
	3906	BIG CREEK NO 4 RESERVOIR	BIG CREEK	0	11/01/92	188.40	6/17/93	49.40	49.40	
	3907	BIG CREEK NO 5 RESERVOIR	BIG CREEK	26.90	10/31/93	104.60	6/01/93	26.90	26.90	
	3909	BIG CREEK NO 7 RESERVOIR	BIG CREEK	550.30	3/01/93	1,222.60	5/24/93	954.00	954.00	
	3841	BOB MC KELVIE RESERVOIR	PLATEAU CREEK	30.00	11/01/92	248.00	5/15/93	248.00	248.00	
	3888	BULL BASIN NO 1 RES	BULL CREEK	4.90	11/01/92	124.20	4/20/93	124.20	124.20	
	3889	BULL BASIN NO 2 RES	BULL CREEK	41.70	11/01/92	94.90	6/14/93	68.20	68.20	
	3890	BULL CREEK NO 1 RES	BULL CREEK	0	11/01/92	83.20	4/20/93	0	0	
	3891	BULL CREEK NO 2 RES	BULL CREEK	0	11/01/92	69.80	4/20/93	12.40	12.40	
	3892	BULL CREEK NO 3 RES	BULL CREEK	0	11/01/92	59.20	4/29/93	0	0	
	3893	BULL CREEK NO 4 RES	BULL CREEK	0	11/01/92	202.50	4/20/93	0	0	
	3894	BULL CREEK NO 5 RES	BULL CREEK	17.60	11/01/92	260.00	4/20/93	22.50	22.50	
	3884	COLBY HORSE PARK RES	LEON CREEK	137.70	9/30/93	490.10	5/31/93	137.70	137.70	
	3883	COON CREEK NO 1 RES	COON CREEK	60.10	11/01/92	391.20	6/01/93	131.00	131.00	
	3884	COON CREEK NO 2 RES	COON CREEK	0	11/01/92	195.00	6/05/93	57.60	57.60	
	3885	COON CREEK NO 3 RES	COON CREEK	0	11/01/92	158.30	6/05/93	158.30	158.30	
			Subtotal this page	1,427.30		5,784.40		3,539.60		

RESERVOIR STORAGE SUMMARIES BY DISTRICT, continued

1993

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		Date	End Of Year
				AF	Date	AF	Date		
72	3923	COTTONWOOD LAKE RES NO 1	COTTONWOOD CREEK	793.30	1/25/93	1,939.60	7/06/93	1,496.60	
	3924	COTTONWOOD LAKE RES NO 2	COTTONWOOD CREEK	0	11/01/92	172.60	6/10/93	105.60	
	3925	COTTONWOOD LAKE RES NO 4	COTTONWOOD CREEK	0	11/01/92	303.00	6/14/93	286.80	
	3926	COTTONWOOD LAKE RES NO 5	COTTONWOOD CREEK	0	1/22/93	342.30	6/17/93	342.30	
	4065	CURRIER RES NO 2	BUZZARD CREEK	0	11/01/92	222.50	5/15/93	222.50	
	3910	DAWSON RESERVOIR	BIG CREEK	0	11/01/92	220.00	6/01/93	0	
	3914	GROVE CREEK RES NO 1	GROVE CREEK	0	11/01/92	159.00	5/31/93	0	
	3915	GROVE CREEK RES NO 2	GROVE CREEK	0	11/01/92	76.40	5/31/93	0	
	3849	HAWXHURST RESERVOIR	HAWXHURST CREEK	0	11/01/92	140.00	8/15/93	0	
	3957	HIGHLINE RESERVOIR	MACK WASH	2,640.00	10/31/93	3,208.00	3/24/93	2,640.00	
	3929	JENSEN RESERVOIR	COTTONWOOD CREEK	0	11/01/92	92.70	6/10/93	78.00	
	3961	JERRY CREEK RES NO 1	PLATEAU CREEK	1,068.00	11/01/92	1,157.00	7/01/93	1,120.00	
	3962	JERRY CREEK RES NO 2	PLATEAU CREEK	6,696.00	11/01/92	7,054.00	6/01/93	7,054.00	
	3837	KENDALL RESERVOIR	LEON CREEK	0	11/01/92	87.00	8/04/93	12.20	
	3838	KIRKENDALL RESERVOIR	LEON CREEK	0.00	11/01/92	110.00	7/01/93	110.00	
	3839	LEON LAKE RESERVOIR	LEON CREEK	307.55	11/01/92	2,316.62	7/25/93	882.31	
	3895	LOST LAKE RESERVOIR	BULL CREEK	13.50	11/01/92	111.00	7/15/93	111.00	
	4077	MACK MESA RESERVOIR	MACK WASH	130.90	11/01/92	130.90	5/01/93	130.90	
			Subtotals this page:	11,649.25		17,842.62		14,592.21	

RESERVOIR STORAGE SUMMARIES BY DISTRICT, continued

WD	ID	RESERVOIR NAME	SOURCE STREAM	AMOUNT IN STORAGE (AF)					
				Minimum		Maximum		Date	End Of Year
				AF	Date	AF	Date		
72	3871	MESA CREEK NO 1 RES	MESA CREEK	66.70	11/01/92	280.20	4/20/93	166.60	
	3872	MESA CREEK NO 2 RES	MESA CREEK	48.00	11/01/92	48.00	6/01/93	48.00	
	3873	MESA CREEK NO 3 RES	MESA CREEK	0	11/01/92	234.50	6/20/93	94.10	
	3874	MESA CREEK NO 4 RES	MESA CREEK	0	11/01/92	432.70	6/14/93	0	
	3842	MONUMENT NO 1 RES	LEON CREEK	0	11/01/92	572.00	8/24/93	0	
	3843	MONUMENT NO 2 RES	LEON CREEK	0	11/01/92	111.00	8/24/93	0	
	3854	PALISADE CABIN RES	RAPID CREEK	785.50	4/01/93	1,150.00	6/01/93	1,140.00	
	3855	PALISADE STORAGE RES 1	RAPID CREEK	0	11/01/92	15.00	6/01/93	0	
	3856	PALISADE STORAGE RES 2	RAPID CREEK	0	11/01/92	0	6/01/93	0	
	3932	PARKER BASIN RES NO 1	COTTONWOOD CREEK	0	11/01/92	271.60	6/07/93	268.90	
	3933	PARKER BASIN RES NO 2	COTTONWOOD CREEK	0	11/01/92	60.00	6/01/93	15.10	
	3934	PARKER BASIN RES NO 3	COTTONWOOD CREEK	0	11/01/92	0	6/01/93	0	
	3858	RAPID CREEK NO 1 RES	RAPID CREEK	210.00	11/01/92	603.00	6/01/93	217.00	
	3859	RAPID CREEK NO 2 RES	RAPID CREEK	5.00	11/01/92	442.00	6/01/93	5.00	
	3901	STUBBS MCKINNEY CLARK RES	SPRING CREEK	25.10	11/01/92	230.50	6/14/93	55.90	
	3931	T E KITSON RESERVOIR	COTTONWOOD CREEK	0	1/25/93	184.30	7/06/93	184.30	
	3902	TWIN BASIN RESERVOIR	BULL CREEK	0	11/01/92	116.20	6/20/93	0	
	3844	VEGA RESERVOIR	PLATEAU CREEK	6,588.00	11/01/92	35,488.00	6/16/93	13,427.00	
	3919	Y T RESERVOIR	GROVE CREEK	0	11/01/92	133.10	8/09/93	131.10	
			Subtotals this page:	7,728.30		40,372.10		15,753.00	
			Subtotals Other WD 72 Pages:	13,076.55		23,627.02		18,131.81	
72		Total of All Others < 50 AF:		40.00		292.00		96.00	
72		Total for District 72		20,844.85		64,291.12		33,980.81	

WATER DIVERSION SUMMARIES

1993

WD	Structures Reporting			All Other Structures		Estimated Number of Visits to Structure	Total Diversions - AF -	Total Diversions to Storage - AF -	To Irrigation		
	With Record (1)	No Water Avail (2)	No Water Taken (3)	No Info Avail (4)	No Record (5)				Total Diversions - AF	Number of Acres Irrigated	Average AF per Acre
36	345	1	146	106	179	2,010	739,334	147,285	82,397	12,868	6.4
37	338	3	266	109	372	1,937	166,782	27,475	95,172	14,295	6.66
38	1139	6	146	851	747	2604	753,415	59,924	326,595	40,457	8.1
39	476	4	151	113	183	660	198,020	15,781	131,148	21,901	6.0
45	565	19	134	14	84	2789	149,425	549	126,551	27,585	4.6
50	222	1	26	23	11	1,156	93,630	7,694	85,463	22,373	3.82
51	326	3	151	201	212	15,676	891,637	319,776	172,187	39,208	4.39
52	191	3	25	26	59	331	45,921	161	45,313	7,872	5.76
53	479	4	79	71	64	1,678	910,749	4,669	103,619	27,631	3.75
70	196	9	60	2	63	775	55,818	39	53,534	6,719	8.0
72	416	23	102	374	302	4,517	1,880,872	60,110	859,774	129,434	6.64
TOTAL	4,693	76	1,286	1,890	2,276	34,133	5,885,603	643,463	2,081,753	350,343	5.83

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

WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
36	138,114	0	6,055	35	0	6,217	54	344	19
37	36,121	0	6,268	0	190	0	0	63	1
38	158,129	663	7725	70	340	72	71,933	2693	4,672
39	0	0	1823	3	43	0	39,571	957	1,831
45	0	0	1341	2	17	0	0	583	19,030
50	0	0	0	0	0	0	17	16	353
51	275,694	2,358	2,015	58	2,030	884	144	274	5,067
52	0	0	0	1	4	0	0	83	283
53	0	0	3,435	0	2	7	792	344	226
70	0	0	54	0	6	0	0	11	1,347
72	1,711	626	17,867	0	0	0	2,463	94	5,367
TOTAL	609,769	3,647	46,583	169	2,632	7,180	114,974	5,462	38,196
WD	AUGMENTATION	EVAPORATION	GEOTHERMAL	SNOWMAKING	MIN FLOW*	POWER	WILDLIFE	RECHARGES	OTHER
36	1,150	8,926	0	1,049	0	347,727	0	2	0
37	0	1,214	0	278	0	0	0	0	0
38	0	2651	0	11	0	104,833	1	0	12,512
39	0	170	0	0	0	71	14	0	6,608
45	0	158	0	0	0	44	0	0	1,146
50	0	87	0	0	0	0	0	0	0
51	1,162	23,547	0	87	0	86,354	0	0	0
52	0	76	0	0	0	0	0	0	0
53	0	996	0	0	0	796,659	0	0	0
70	0	39	0	0	0	0	0	0	784
72	0	2,124	0	0	0	930,736	0	0	0
TOTAL	2,312	39,988	0	1,425	0	2,266,424	15	2	21,050

WATER COURT ACTIVITIES

Calendar Year 1993

Applications Made to Water Court	337
Decrees Issued by Court	559
Dismissals	27

TYPES OF DECREES

TYPE OF DECREE	NUMBER OF CASES	NUMBER OF STRUCTURES
Findings of Diligence on Conditional Rights	107	249
Cancellations of Conditional Rights	15	21
Conditional Rights Made Absolute	78	135
Surface Water Rights Adjudicated	116	235
Underground Water Rights Adjudicated	29	66
Water Storage Rights Adjudicated	45	75
Plans for Augmentation Adjudicated	85	154
Changes of Water Rights Adjudicated	80	186
Changes of Use	4	15
Instream Flow Rights Adjudicated	0	0
TOTAL:	559	1,136

**1993 Annual Report
Water Division 5**

1993 WATER YEAR

**COLORADO RIVER MAINSTEM
GOVERNING CALL ABOVE
SHOSHONE POWER PLANT
(Districts 36, 37, 50, 51, 52, 53)**

<u>DATE ON</u>	<u>DATE OFF</u>	<u>CALLING WATER RIGHT</u>	<u>DECREED AMOUNT</u>	<u>ADMIN NO.</u>
11/01/92	01/04/93	Shoshone Power Plant	1250.0 cfs	20427.18999
02/19/93	04/14/93	Shoshone Power Plant	1250.0 cfs	20427.18999
04/14/93	04/21/93	Shoshone Power Plant	158.0 cfs	33023.28989
08/22/93	09/03/93	Shoshone Power Plant	158.0 cfs	33023.28989
09/03/93	09/17/93	Shoshone Power Plant	1250.0 cfs	20427.18999
(only rights with Admin No greater than or equal to 31258.00000 were curtailed)				
09/17/93	09/30/93	Shoshone Power Plant	158.0 cfs	33023.18999
09/30/93	10/18/93	Shoshone Power Plant	1250.0 cfs	20427.18999
10/18/93	10/31/93	Shoshone Power Plant	158.0 cfs	33023.28989

**NO CALLS OCCURRED AT CAMEO
DURING THE 1993 WATER YEAR**

**1993 Annual Report
Water Division 5**

III. OFFICE ADMINISTRATION AND WORKLOAD MEASURES

A. NUMBER OF WATER COURT APPLICATIONS: 93CW001 through 93CW337

Division 5 = 308 Division 6 = 29

B. NUMBER OF WATER COURT APPLICATIONS BY DISTRICT:

District 36 = 19	District 45 = 11	District 53 = 7
District 37 = 44	District 50 = 9	District 70 = 2
District 38 = 116	District 51 = 22	District 72 = 39
District 39 = 34	District 52 = 5	

C. NUMBER OF STRUCTURES IN WATER COURT APPLICATIONS BY DISTRICT:

District 36 = 117	District 45 = 19	District 53 = 14
District 37 = 125	District 50 = 13	District 70 = 23
District 38 = 271	District 51 = 48	District 72 = 70
District 39 = 94	District 52 = 6	

D. NUMBER OF PROTESTS TO THE 1992 ABANDONMENT LIST BY DISTRICT:

District 36 = 1	District 45 = 1	District 53 = 0
District 37 = 1	District 50 = 0	District 70 = 0
District 38 = 0	District 51 = 0	District 72 = 1
District 39 = 0	District 52 = 0	

E. ORDERS FOR INSTALLATION AND/OR REPAIR OF HEADGATES BY DISTRICT:

District 36 = 0	District 45 = 2	District 53 = 0
District 37 = 0	District 50 = 0	District 70 = 0
District 38 = 11	District 51 = 0	District 72 = 5
District 39 = 4	District 52 = 0	

**1993 Annual Report
Water Division 5**

F. CALENDAR YEAR 1993:

PERSONAL REIMBURSABLE MILEAGE (2-WHEEL AND 4-WHEEL) (P):

OFFICE STAFF:

<u>NAME</u>	<u>POSITION</u>	<u>MILEAGE</u>
Bell, Orlyn	Division Engineer	790 P
Martellaro, Alan	Assistant Division Engineer	1,289 P
McCabe, Robert	Water Resource Engineer	760 P
Schildt, Wayne	Water Resource Engineer (Hydro)	0 P
Blair, John	Water Resource Engineer (Dam Safety)	253 P
Whitehead, Dwight	Water Commissioner (Wells)	30 P
Hitchcock, Nancy	Secretary	0 P

FULL-TIME EMPLOYEES IN FIELD:

<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>	<u>MILEAGE</u>
Hummer, Scott	Water Commissioner C	36	11,719 P
Bergquist, Joe	Water Commissioner C	38	(+) 9,311 P
Cerise, Alvin	Water Commissioner C	38/39/45	(+) 7,011 P
Klenda, Robert	Senior Water Commissioner	45	(+) 1,635 P
Thompson, William	Senior Water Commissioner	50	9,915 P
Wells, L. Wayne	Senior Water Commissioner	72	(+) 400 P

(+) means plus lease veh mileage

PERMANENT PART-TIME EMPLOYEES IN THE FIELD:

<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>	<u>MILEAGE</u>
McEwen, William	Water Commissioner C	37	0 P
Lemon, James	Water Commissioner B	39	3,152 P
Nelson, Glen	Water Commissioner B	45	1,397 P
Daxton, James	Water Commissioner B	51	9,732 P
Schaffner, Frank	Water Commissioner A	52/53	6,738 P
Comerer, Alan *	Water Commissioner A	70	6,039 P
Cox, Tom	Water Commissioner B	72	3,115 P
Greene, Ronald	Water Commissioner B	72	7,210 P
Brigham, Tom	Water Commissioner B	72	8,711 P
Nostrand, John *	Water Commissioner A	72	4,790 P
Linn, Paul *	Water Commissioner A	72	4,681 P

* (Temporary) - Comerer Hired 4/93; Linn & Nostrand Hired 5/93

TOTAL OFFICE STAFF AND FIELD PERSONAL MILES DRIVEN: **98,678 P**

1993 Annual Report
Water Division 5

G. CALENDAR YEAR 1993:

MILEAGE FOR LEASE VEHICLES ASSIGNED TO DIVISION 5 (L):

<u>VEHICLE</u>	<u>PRINCIPAL DRIVER</u>	<u>COMMENT</u>	<u>MILEAGE</u>
01-8416	McEwen, William		12,558 L
01-8795	Whitehead, Dwight		18,069 L
01-8796	Schildt, Wayne		14,961 L
01-9145	Blair, John		15,992 L
01-9153	Wells, L. Wayne		19,967 L
01-9243	Bell, Orlyn		17,920 L
13-0426	Hummer, Scott	Turned in 7/16/93	2,638 L
TOTAL LEASE VEHICLE MILES DRIVEN:			<u>91,105</u> L
TOTAL MILES DRIVEN (PERSONAL + LEASE) 1993:			<u>189,783</u> T

STATE OF COLORADO

**DIVISION OF WATER RESOURCES
WATER DIVISION FIVE**

Office of the State Engineer
Department of Natural Resources

50633 U.S. Hwy 6 & 24
P.O. Box 396
Glenwood Springs, CO 81602
Phone (303) 945-5665
FAX (303) 945-8741

March 18, 1994

RECEIVED

MAR 21 '94

WATER RESOURCES
STATE ENGINEER
COLO.



Roy Romer
Governor

~~xxxxxx~~ Jim Lochhead
Executive Director

Hal D. Simpson
State Engineer

Orlyn J. Bell
Division Engineer

MEMORANDUM

TO: ✓ Hal Simpson
Alan Berryman
Steve Witte
Steve Vandiver
Ken Knox
Ed Blank
Ken Beegles
Alan Martellaro
Wayne Wells
Dwight Whitehead
Bob Klenda

FROM: Orlyn J. Bell, Division Engineer

RE: 1993 Annual Report - Revisions

Jody

OJB

Please replace pages 31, 32, and 36 of the Division 5 1993 Annual Report with the enclosed pages.
Thank you.

OJB:nch
Enc.