



1996 Annual Report

# STATE OF COLORADO

**DIVISION OF WATER RESOURCES  
WATER DIVISION FIVE**

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Department of Natural Resources

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March 4, 1997



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Dear Hal:

On behalf of the staff of Division 5, I submit the Annual Report for 1996.

I want to express special thanks to all Division 5 personnel and to you and your staff for aid and support in fulfilling the various responsibilities of water administration in Division 5.

Respectfully submitted,

Orlyn J. Bell  
Division Engineer

:nch

1996

ANNUAL REPORT

DIVISION 5

DIVISION OF WATER RESOURCES

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**INTRODUCTION**

*He was a huge man and when he slumped into the chair, its overstuffed sides and back slumped with him. His wife grinned, handed him the day's mail, and slid into a chair near his.*

*"Have you looked through this stuff?" His voice was already loaded with his 'I'm bored, I want this over' attitude.*

*She stared at him. "Are you kidding? All it is is a bunch of bills and ads."*

*"Look at this. Now this could be something to remember." He scratched his chin. "1996 Annual Report, Water Division 5. Did we buy futures in water? I thought we bought wheat."*

*Myra looked up from her book. "We did buy wheat. Bet they want us to invest. What's the company's name again?"*

*"Water Division 5. Maybe they make Water Piks, you know, for your teeth?"*

*"Is there a cover letter?"*

*He flipped through the pages. "Nope, nothing but a big ol" report."*

*"What does the introduction say?"*

*"There isn't one."*

*She dropped her book onto the table. "Geez, what is there?"*

*"How about, 'Accomplishments in the 1996 Water Year'?"*

*"Okay, so read that."*

*He cleared his throat and began.*

**I. WATER ADMINISTRATION**

**A.. 1996 WATER YEAR**

The year started with a good early snowpack and proceeded to maintain it through the winter with all basins providing overall above-average yields. However, predicted high runoff and even

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flooding did not materialize as warm winds and average spring moisture modulated the flows. The peak at Glenwood came quite early. Crops were generally poorer than the previous year but still proved to be average or better.

*"Myra?" He glanced up to be sure she was listening. Reassured, he read on.*

### I.A.1. ACCOMPLISHMENTS

#### a. Administration

While anticipated flooding didn't materialize, a high, long runoff did. Therefore, calls on heavily administered side tributaries came later and were more junior longer, allowing for a lot of irrigation to occur. The river was called at Cameo by the Grand Valley Irrigation Canal (GVIC) 120 cfs right Aug. 13th and remained until Sept. 18th. The river above Shoshone remained on call by the senior Shoshone right until October 1st. These calls put into effect Green Mountain replacement operations for junior users that are entitled. For this year these were considered to be rights up to and including Jan. 23, 1984. A recent decision by the State Engineer covering "Operating Policy" language curtailed the coverage date back to "actual use as of Oct. 15, 1977." For more information see Section I.B.2.e.

#### b. Dam Safety

Even though the runoff was not as heavy in 1996 as in 1995, throughout all of Division 5, there were areas of heavy runoff. The northeast part of the division, (Districts 36, 50 and 51), kept the dam safety engineer and some of the water commissioners busy with several potential dam safety problems. The most concerning incident involved the Sylvan Dam in the Williams Fork basin of District 51. A major slide occurred on this class 1 dam in early June after a heavy rainstorm during the Memorial Day weekend. If it wasn't for the "heads up" reaction of the dam caretaker, the water commissioner, and the owner's consulting engineer; this dam could have easily failed causing extensive damage and possibly loss of life along the runoff swollen Colorado River near Parshall. The dam safety engineer was actively involved in the monitoring efforts of the slide over the following two months and determined the safe operating level. A temporary repair was made of this dam in the fall which allows for storage at the restricted level next spring.

The Bull Basin #2 Dam was repaired allowing for the removal of the zero storage restriction and the rehabilitation of the Upper Highline Reservoir Dam was started. Both these dams are in Water District 72. The Upper Highline

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rehabilitation is a multi-million dollar project. Our dam safety engineer took over the State Engineer's responsibilities for this project from retiring Steve Spann. The project consumed most of his time during the fall season.

Due to workload excesses, water commissioner inspections for small class 3 dams were allowed to count for the "1-2-6" inspection cycle of the dam safety engineer. This process was generally successful. However, due to their own workload problems, many of the water commissioners did not accomplish their assigned inspections until late fall, (2 were not done at all). This inundated the dam safety engineer, who had to review the inspection reports and send them to the owners at a time when he was very busy with Upper Highline. Hopefully, the new FTE's recently hired will help resolve this problem in the future. Also due to workload, the need to perform site observations of satisfactory class 2 dams every year was waived for 1996 until the new FTE's can be utilized.

Total number of inspections performed by all Division 5 personnel = 157, which consisted of the following:

95 inspections performed by Dam Safety Engineer:

- 0 class 4 routine inspections
- 14 class 3 routine inspections
- 13 class 2 routine inspections
- 18 class 1 routine inspections
- 18 construction inspections
- 1 outlet inspection
- 31 follow-up inspections

13 inspections performed by other Division 5 staff engineers:

- 3 class 1
- 6 class 2
- 4 class 3

49 inspections performed by water commissioners:

- 10 class 3
- 39 follow-up

Additionally, 6 hazard evaluations were completed and numerous snowmelt hydrology studies were done. The snowmelt hydrologic expertise of the dam safety engineer was used by local emergency managers as a guide for identifying potential flooding problems due to a heavy snowmelt. Further refinement of the dam safety engineer's "Snow Jam Potential in Spillways" was worked on and will be a tool others can use in their safety evaluation programs.

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c. Ground Water and Well Permitting

Economic conditions during 1996 showed continued strong rural growth and development. As a result the demand on Division 5 personnel continued to increase in the areas of water right and well research, planning and education of the general public.

The total number of water well permitting activity during the calendar year 1996 increased by 23 percent from 1995. A total of 1,038 well permits were approved for Division 5. These are categorized as follows:

635 exempt  
282 non-exempt (169 per aug plans & 113 per conservancy district contracts)  
43 replacement (exempt),  
0 replacement (non-exempt),  
25 late registrations,  
53 monitoring wells.

*"Hey, Myra, Bet we're in this section. Didn't you fill out a well permit application? I'll bet it was with these people." He hesitated, "What's happening with that, anyway?"*

*Myra yawned. "It's a long story, Frank. But I don't think it was with these guys. The permit had nothing to do with Water Piks."*

Monitoring and Observation Hole (MH) acknowledgments increased by 15 percent totaling 344. Two hundred forty-two (242) applications were preprocessed by the Division 5 field office. Well inspections totaled 93, (not including water court cases).

Efforts to streamline the well permitting process continued. On Feb. 20, 1996, the State Engineer distributed a memorandum clarifying and implementing new Procedures, Guidelines and Policies. Guideline Memorandum 96-2 is of great value. Its use, (acceptance of SBU), has helped decrease the number of SBU field inspection requests and reduced the backlog of pending SBU inspections. Also, use of a "Permit Application Change Form" was implemented allowing evaluators to change or amend conditions of approval other than those requested on a well permit application. When issuing well permits with amended conditions of approval "The Right to Notice of Appeal" is conditioned on the permit allowing applicants who disagree with changes the right to appeal the changes.

Additional activity affecting ground water and well permitting during 1996 was the repeal of Rule 6.3.a. from the Board of Examiners Water Well Rules and



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Regulations eliminating the notice of intent to construct permitted water wells. Furthermore, approved legislation affecting ground water and water wells were House Bills (HB) 96-1044 and 96-1364. HB 96-1044 had four key areas two of which had great impact on Division 5. The first requiring a written summary of consultation report "finding" and eliminating requirement of a valid well permit, denial or failure by the State Engineer to grant or deny a permit within six months after receipt. The second part of HB-1044 was another option to address any 600 foot spacing well to well issues. Thus, anyone proposing a well pursuant to CRS 37-90-137(2) can give certified written notice to any well owners within 600 feet of the proposed well, 10 days prior to filing a water court application. The Dakota issue in this bill also has some impact in the Colorado River Drainage. HB- 1364 addressed issues for division of land by a cluster development. Currently little activity has occurred in regard to the cluster bill, but it may be a critical statute depending on future growth issues.

### d. Hydrographic Program

Three satellite and six manual gaging stations were maintained and records computed. High water made possible three new high water measurements at Frying Pan at Thomasville, North Fork of the Frying Pan River, and Ivanhoe Creek near Nast.

New satellite stations were installed by DWR staff during the 1995-96 water year at the following locations: Ten Mile Creek below North Ten Mile Creek, Orchard Mesa at Stokes Gulch, Vidler Tunnel-West Portal, Snowmass Creek, Blue River at Highway 9 Bridge, and Snake River at Keystone Ski Area. In addition, the Division of Water Resources accessed an additional nine sites for satellite monitoring from the USGS. No stations, manual or satellite, were abandoned.

### e. Water Records and Information

The quality of records collected continues to be refined, improving consistency from year to year. Additional record was collected on structures with previously "no information available" as well as on new structures. However, construction of new structures continues to outpace these additions to the record. As a result, the overall percentage of structures with record versus active structures has declined. The increasing number of small augmentation plans and small surface structures irrigating minor acreages present the biggest challenges.

*Myra interrupted, "This sounds like a government agency, or something. How'd we get on their mailing list?"*

*"Um, don't know."*

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*He read on.*

f. Substitute Supply Plans

Rifle Correctional Facility obtained one. There have been no substantial changes.

g. Special Projects

- CRDSS: QA/QC

This year several CRDSS projects dominated the Division 5 staff's time. The primary project was the QA/QC of historic diversion records; though essentially complete, a few loose ends remain. A review of the irrigated acres inventory and a QA/QC of the project's databases was completed this year. A few unresolved issues remain for the summer of 1997, which are mainly fields not attached to proper ditches.

- SWAT, CROS, GVMS

Members of the Division 5 staff continued to participate in the "SWAT" team discussions involving Colorado River administration. The team consists of city, county, state, and federal officials and was originally formed as a discussion group to resolve administration of Green Mountain but has also tackled accounting problems associated with the Dillon Reservoir and Green Mountain Reservoir refill cases, and the Clinton Gulch Reservoir agreement. It is hoped that this cooperative effort to reach a consensus in a technical forum will minimize opposition to a final decree on the refill cases and help to reach an early settlement in the courts. The group adopted mutually agreeable accounting principles for administration of the three reservoirs in 1994 and has now expanded the forum to other issues including Grand Valley Water Management Study (GVMS), Homestake/Eagle Valley "Water Trading" Plans, Denver's PACSM Modelling Project, Vidler agreements with the U.S. Bureau of Reclamation (USBR), and the Consolidated Reservoir Operations Study (CROS).

h. Water Court

A total of 349 water right applications for Division 5 were filed during 1996. Of those applications, 51 were applications involving new augmentation plans and 3 were to amend existing aug. plans. Many of these applications require significant effort on the part of Division 5 employees to prevent issuance of decrees that cannot be administered properly or that injure existing water rights. Most of the applications must be field inspected by the Water Commissioners, who then file

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a written report and make recommendations to the Division Engineer. After a thorough review of the Water Commissioners' reports and the application, the Division Engineer consults with the Denver staff and makes his summary of consultation to the court. The State and Division Engineers formally objected in 13 cases and entered 2 protests to referee rulings.

### I. Tabulation

The biennial publication of the Tabulation occurred in July 1996. All water court decrees were tabulated through Dec. 31, 1995, with the exception of the following: In District 36 no record has been entered since 1988 and all augmentation plan decrees in District 36 need to be re-tabulated to bring them up to current standards. In District 37 all augmentation plans in the Gore Valley need to be re-tabulated. In District 38 no record has been entered since 1990. These deficiencies are the same as those in the 1994 publication. During 1996 effort was focused on data quality and consistency. Also several protests to the 1994 Tabulation were resolved in time for the 1996 publication.

#### I.A.2. MILESTONES IN WATER ISSUES

*Frank began to laugh.*

*"Myra." He waited. Nothing from his wife. "Myra."*

*Louder now. "Myra, listen to this!"*

*She stirred, fumbled with the book resting in her lap. "Huh? What?"*

*"This is good."*

*"Give me a break, Frank. This is boring."*

*"OMID-USBR-91CW247. What do you suppose it means?"*

*"Out of mind interdepartmental United States brown bag lunch. The numbers are just there to make it sound official. This ain't no Water Pik manufacturer."*

*Frank's eyes began to tear as he laughed. "Come on, listen to this. No more sleepin'."*

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a. OMID-USBR - 91CW247 - The "Check Case"

The application to adjudicate the historic "check operation" blossomed into a full-blown attempt to solve all future decisions regarding the operation of Green Mountain Reservoir, incorporating into it wet year/dry year differences with protections for late season municipal users from irrigators while providing water for transmountain diversions and endangered fish. Also included were specific attacks on some of the lower river decrees and the beneficial use-wastage-water salvage issues in the Grand Junction area. These were extremely important issues that needed to be addressed but seemed inappropriate in this case. However, it's the forum that attorneys had available to them and in spite of everything, a stipulated settlement occurred. The decree adopts much of our administrative practices for the past 10 years and gives great guidance into the future. These are very much along the lines worked out in previous SWAT team sessions and later expanded "check" case Advisory Committee meetings.

b. Four Mile Creek - 96CW45 & 94CW344

Three years ago water commissioners and office staff placed Four Mile Creek on notice that administration of out-of-priority domestic diversions would begin, kicking off a water range war of sorts between Four Mile Water Company and the West Divide Water Conservancy District. Existing users needed augmentation coverage and growth pressure was extreme. These cases were transferred to Division 4 with Judge Brown presiding because a previous water referee was involved in the case. Rulings occurred granting an augmentation plan to West Divide and awarding damages of approximately \$40,000 in one of the cases. For now it is quiet on Four Mile Creek.

c. Other Court Cases That Have Significance

- The Snowmass case - 92CW307 went on to the Supreme Court. The Colorado Water Conservation Board obtained the right to modify its decrees.
- The Grand County/Denver Water Board abandonment case - 96CW204, (96SA15). The ruling grants that an owner can retire rights and have them abandoned, thus adding yield to his/her junior rights.
- Hines Highlands case - 93CW322 and 93CW323, (95SA294). This case dealt with new water rights, change of water rights, and their impact on CWCB minimum stream flow rights.

In all three cases the strength of our administrative processes was challenged and ultimately enhanced by the decisions that occurred. Our ability and techniques for administering water were found to be adequate and appropriate.

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d. Wolford Mountain Reservoir

This reservoir, owned and built by the Colorado River Water Conservation District near Kremmling, began storage and filled, (three years ahead of schedule), in its first year of operation. It has a capacity of 66,000 AF. It was cost-shared by Northern Colorado Water Conservancy District, the Denver Water Board, and the Colorado Water Conservation Board.

e. Green Mountain Power Plant

The U.S. Bureau of Reclamation placed its Blue River call from the Green Mountain power plant for its continuous operation for the first time. It has actually been in place since the 1950's and, in fact, the Denver Water Board and Colorado Springs, as a result of the Blue River cases, have been paying power interference for decades.

I.A.3. INVOLVEMENT IN THE WATER USER COMMUNITY

There seem to be several roles that the Division of Water Resources fills in the community. The first involves the statutory duties of the State Engineer in water administration and dam safety. Another role is as collector of records and data and as keeper of the depository for these. A third would be as knowledgeable professionals in planning processes concerning both water supply and legal matters. Finally, our role in public education about water is always of utmost importance. Sometimes we take leadership roles and sometimes supporting roles. Some examples of these are:

The Division office continues to facilitate usage of our records and data by the public. More accurate tabulation, decree books with indices, updated structure lists, well permit information, organized diversion data, combined with a concerted effort to assist anyone with questions has brought this about. The office provides a convenient place for them to work.

Specific meetings were held with: Mesa and Spring Creek water users, Bull Creek water users, Mesa County planning association, Big Creek water users, Pitkin County and Aspen planners and attorneys, realtor groups, Well Drillers Association, Northwest Colorado Council of Governments, Colorado River Water Conservation District, U.S. Bureau of Reclamation, Denver Water Conservation Board, Northern Colorado Water Conservancy District, West Divide Water Conservancy District, Collbran Water Conservancy District, Basalt Water Conservancy District, and numerous ditch companies.

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Bench-Bar Committee involvement and water SWAT team meetings are water-user community efforts at solving water issues. Efforts to identify and address water conservation, (salvage), in the Grand Junction area are under way with a Memorandum of Agreement, (MOA), and frequent meetings with the USBR, Colorado Water Conservation Board, Colorado River Water Conservation District, and State Engineer's Office personnel.

The Division Engineer has been carefully reviewing each new augmentation plan. It is imperative that he work with applicants' engineers and attorneys to make these plans acceptable for water administration. Establishment of accounting procedures for each is of utmost importance. Many, many problems and misconceptions have been resolved before decrees were signed.

### I.A.4. WATER ISSUES NOT ADDRESSED

*Frank glanced toward his wife who was now snoring. "Just getting interesting. They're finally going to admit to something undone and what does she do? Sleep," he mumbled.*

Three challenges stand out for future solution. Two are in the works and the third will always be with us.

It surfaced this year that the potential exists for the illegal use of wells in Summit County. Approximately 1700 wells have been permitted, many as in-house only. County building codes require landscaping. Secondly, there is a real propensity to build additional guest or caretaker units or mother-in-law apartments within homes themselves. Multi-party meetings are being held searching for plans that can remedy the situation. With near continuous calls from multiple sources including Green Mountain, Denver Water Board and Colorado River Water Conservation District's minimum stream flows, finding solutions will be no small undertaking.

The second issue will be the conversion of saved and/or salvaged water (up to 70,000 AF) from existing Grand Valley irrigation usage into the 15-mile reach for endangered fish. The previously mentioned Grand Valley Management Study (GVMS) committee is working on this. Past efforts at legislative fixes have failed as the Grand Valley's unique position of being at the downstream end of a major stream has no support from the general water community that often depends on return flows for its supplies. Because water court is such a costly and unwieldy procedure, it appears that administrative remedies are being targeted.

The final issue is simply the rapid rate of conversion of land use and, therefore, water usage from agriculture to those associated with growth. The last

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crop -- "condominiums" -- taxes us as administrators as nothing else has. A multiplicity of water right owners and rights now exist where only large ranches with single owners of several rights existed before. Also, because the general public is becoming more aware of water issues and limiting conditions on water, well permits and production (gpm), requirements from lending institutions are more common, research demands continue to increase. Thus the need and demand for new and existing water wells continues to be a critical element.

Benjamin Franklin can be quoted as follows, "We will know the worth of the water when the well runs dry." Let's hope we won't have to test his theory.

### I.A.5. EFFECTS OF WORKLOAD CHANGES AND/OR ADMINISTRATIVE LIMITS ON OPERATIONS

We have just hired three new full-time employees. Two techs will be devoted to dam safety, augmentation plans, and tabulation backlogs; and 1 FTE split out to provide additional water commissioner coverage in the field and to help with the decentralization of the well permitting process. These FTE's are what has been asked for for years. This "A-Team" has begun in earnest to clean up problem areas backlogged because of lack of manpower.

We are still trying to fill a permanent part-time administrative assistant position. So far we have been making do with temporary clerical workers.

#### a. Impact of the Budgets on Operations

We did not have enough FTE's to put Water Commissioners in each water district. Additionally, 11 of the 20 water commissioners were part-time employees and the seasonal nature of their employment severely hampered the updating of structure lists, administrative lists, tabulations, maps or any other non-direct water administration activity. Another problem was that as the jobs are becoming more complex, adequate training was harder to achieve. The pressure for part-timers to seek full-time employment was a problem. One-half of the Water Commissioner work force is still in this situation.

Operating funds were precariously low. We had only enough to provide minimal supplies. High-tech machinery required to operate was costly. Inflationary replacement costs were the biggest budget busters with telephone, FAX, and copy machines taking an increasingly larger bite. In travel, we curtailed on a percentage basis from previous years' expenditures. It is in this area that it's easiest to make up deficiencies. As we traveled less, we had to rely on other avenues for information. We opted to use more user-supplied data.

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Expenditures matched the budget; however, mileage was adjusted to provide all the other needed operating items. This is a very undesirable situation. We have to be adding money for mileage so the Water Commissioners can do their jobs. The amount of capital available to bring three new FTE's on board was terribly inadequate. We really scrounged to outfit them with needed supplies, especially capital items. The figure was \$660 each, which didn't go very far toward desks, chairs, file cabinets and computers.

b. Operational Concerns

Based on what happened in 1996, I believe that toeing the line on expenditures will be more difficult without decreasing service. Training needs of the new employees will be critical and will take time, energy, and training funds..

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 designed for user-supplied data is becoming increasingly important and will receive attention.

Funds allocated for travel have been cut, cut, and cut. This trend has to be reversed. However, when employees driving their own vehicles have been told not to drive so many miles they have not complained too much as any miles they drive cost them money and, in effect, subsidize the state.

**B. 1997 WATER YEAR**

I.B.1. KEY OBJECTIVES

Our objectives are:

- To administer river calls as they occur;
- To uphold all other statutory duties of the State Engineer's office; and
- To address the public's needs in water resources.

In order to fulfill these objectives, the following goals must be attained or maintained:

- 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.



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- 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 1997

The usual business of:

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

Specific work items for 1997:

(1) Issuing of exempt well permits from the Division Office.

(2) Train Water Commissioners in:

- computer usage
- field inspecting water right applications
- creating schematics and coding for aug plans.

(3) Inventory all fee wells and set up mechanism for administering and obtaining records. Proposal to spend SB-200 funds to accomplish will be submitted.

- Determine locations and establish mapping accordingly.
- Determine usage.
- Determine compliance with permit and decree.

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- Prepare ownership directory.
- Send orders.
- Sort WELLBROW database for fee wells and cross reference for ID's.
- Establish GIS subdivision layer.
- Establish GIS well location layer.

*Frank stopped reading. Light from the window was fading as night pulled close. "Man, this sounds like a work load! How're they gonna do it?"*

*Myra jerked and said something in her sleep but he ignored her, got up and paced the kitchen. This outfit needed help, that was obvious. He checked the return address on the envelope. A post office box. Not much help if he was going to apply for work. Maybe if I read on, he thought.*

(4) Lower the "NUC - No Information Available" level by 30 in each Water District.

(5) For Augmentation Plans:

- Finish tabulation of augmentation plans, (all districts complete but District 36 and District 38).
- 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).
- Installation of control structures and measuring devices as necessary.
- Obtain field data.
- Administer.

(6) Design a system to solicit user-supplied information on wells and ground water diversions. Proposal to spend SB-200 funds to accomplish.

### b. Problems, Concerns, Limitations To Overcome

- Hiring of a permanent part-time administrative assistant to add support to inundated existing staff.
- Developing three new FTE's into a well-trained, efficient "A team."
- 
- Augmentation plan accounting and data.
- Number and complexity of augmentation plans are prohibitive to administer until software and databases are developed along with appropriate accounting sheets.

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- Work is still needed on the tabulation. We need to include augmentation entries for Districts 36 and 38 and revise for all others.
- Fifteen 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.
- Staff gages and capacity tables are still needed for some reservoirs.
- Well inspections need to be increased as inconsistencies are increasingly evident.
- Budget constraints are deepening for ordinary operating monies.
- 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. They need a quality review.
- The water community, referee, and judge seem to be relying more and more on our expertise in the decretal process. Our field investigations are increasingly important as is the review of proposed rulings.

#### I.B.2. CHANGES THAT WILL IMPACT THE DIVISION

a. The three new hires, properly funded -- which we're working on --, trained and well managed under good leadership, will allow many of the long needed work items to move forward.

b. The move within the Division of Water Resources toward principle-centered leadership and providing Dr. Stephen Covey's *Seven Habits of Highly Effective People* to our staff will allow for genuine personal development.

c. The proposed wide area network (WAN) system will finally tie our personnel together so data dissemination, knowledge, and general communication can occur. We have a sense of this importance from those who are tied together with E-mail. The PC Tool Kits for Water Commissioners will help us take another dramatic step forward in our collective ability to function.

d. The Number One issue in this division seems to be population growth. This and the continued pressures to shift water uses to environmental protection, mandate better efficiencies with less wasteful consumption. Water administration will have to become more of an exact science with better equipped

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and trained administrators. The CRDSS program has headed us in that direction and will be a great tool when fully developed.

e. The re-interpretation made by the State Engineer of "Green Mountain Operating Policy" coverage to include only actual use up to Oct. 15, 1977 seems to place us in the position of looking at more than decrees in order to make decisions on administrative curtailment. Some 1700 water rights are affected by the change between Oct. 15, 1977 and Jan. 23, 1984. Many others prior to 1977 are, or were conditional. We don't yet know the impact this will have but will be working on it with the USBR and the River District.

*Once more, he climbed out of the chair and pulled his bulk to the kitchen, grabbed milk from the fridge and carried it with the cookie jar back into the living room. This outfit isn't for me. But what about Myra's brother? Didn't Myra say he was just graduating from School of Mines? Or was it CSU? Anyway, this could be for him. Maybe his future's in water. Frank grabbed a cookie and pushed it into his mouth. Then a second on top of the first.*

1996 TRANSMOUNTAIN DIVERSIONS - INFLOWS

RECIPIENT								SOURCE		
WD	ID	Name	Stream	10-Year Average		Current Year		WD	ID	Stream
				AF	Days	AF	Days			
36	4677	ARKANSAS WELL	TENMILE CREEK	213.3	338	332	366	11		ARKANSAS RIVER
38	4682	ROARING FORK BYPASS	ROARING FORK	1703.5	317	1563	306	11		TWIN LAKES
45	4657	DIVIDE-HIGHLINE	DIVIDE CREEK	11664.5	49	1346.9	40	40		CLEAR FORK MUDDY
50	4600	SARVIS CREEK DITCH	RED DIRT CREEK	12205	184	778	104	58		SARVIS CREEK
53	4716	DOME CREEK DITCH	EGERIA CREEK	250	50	357	72	58		BEAR CREEK
53	4715	STILLWATER DITCH	EGERIA CREEK	1851.4	102	1196	104	58		BEAR CREEK
72	4713	REDLANDS POWER	COLORADO RIVER	538866.7	354	560206	345	42		GUNNISON RIVER
72	4711	GRAND JUNCTION	COLORADO RIVER	6410.3	365	4771	364	42		KANNAH CREEK
72	4712	FRUITA WATER WORKS	COLORADO RIVER	0	0	0.0	0	73		LITTLE DOLORES
						TOTAL:	548,636.6			

1996 TRANSMOUNTAIN DIVERSIONS - OUTFLOWS

RECIPIENT								SOURCE		
WD	ID	Name	Stream	10-Year Averag		Current Year		WD	ID	Stream
				AF	Days	AF	Days			
7	4658	STRAIGHT CREEK	CLEAR CREEK	438	329	237	366	36		STRAIGHT CREEK
7	4626	VIDLER TUNNEL	CLEAR CREEK	742	93	268	43	36		SNAKE RIVER
23	4685	BOREAS PASS DITCH	TARRYALL CREEK	89	32	209	61	36		BLUE RIVER
23	4699	HOOSIER TUNNEL	MAIN FORK OF SO. PLATTE	9571	146	5318	136	36		BLUE RIVER
80	4684	ROBERTS TUNNEL	MAIN FORK OF SO. PLATTE	59181	262	24110	269	36		BLUE RIVER
11	4641	COLUMBINE DITCH	TENNESSEE CREEK	1721	98	2499	113	37		SO. FORK OF EAGLE
11	4642	EWING DITCH	TENNESSEE CREEK	10587	138	1440	145	37		SO. FORK OF EAGLE
11	4614	HOMESTAKE TUNNEL	SO. PLATTE VIA ARKANSAS	25864	113	19503.8	110	37		HOMESTAKE CREEK
11	4648	WURTZ DITCH	TENNESSEE CREEK	2319	103	4209	92	37		SO. FORK OF EAGLE
11	4625	BOUSTEAD TUNNEL	LAKE FORK CREEK	49334	255	38492	366	38		FRYING PAN RIVER
11	4613	BUSK-IVANHOE TUNNEL	LAKE FORK CREEK	4488	187	2450	366	38		FRYING PAN RIVER
11	4617	TWIN LAKES TUNNEL	LAKE FORK CREEK	40685	365	33599	366	38		ROARING FORK RIVER
3	4601	GRAND RIVER DITCH	CACHE LA POUFRE RIVER	20254	136	23253	131	51		NO. FORK COLORADO
4	4602	EUREKA DITCH	CACHE LA POUFRE RIVER	42	27	0	0	51		NO. FORK COLORADO
4	4634	ALVA B ADAMS TUNNEL	BIG THOMPSON RIVER	198281	355	99322.1	333	51		NO. FORK COLORADO
6	4655	MOFFAT TUNNEL	BOULDER CREEK	52892	346	51975.4	366	51		FRASER RIVER
7	4625	BERTHOUD PASS	CLEAR CREEK	767	87	1527	92	51		FRASER RIVER
6	505	AUGUST P GUMBLICK	BOULDER CREEK VIA	INCLUSIVE IN MOFFAT TUNNEL				51		WILLIAMS FORK RIVER
6	4603	VASQUEZ PIPELINE	BOULDER CREEK VIA	INCLUSIVE IN MOFFAT TUNNEL				51		WILLIAMS FORK RIVER
40	758	LEON TUNNEL CANAL	SURFACE CREEK	1777	88	1120	116	72		LEON CREEK
						TOTAL:		309532.3		

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
				36	3533	BLACK LAKE	BLACK CREEK	
	3535	BUFFEHR ENLG RESERVOIR	TENMILE CREEK	4.0	11/01/95	111.4	10/31/96	111.4
	3538	CATARACT LAKE	CATARACT CREEK	1,652.8	11/01/95	1,652.8	11/01/95	1,652.8
	3575	CLINTON GULCH RESERVOIR	TENMILE CREEK	2,947.0	06/04/96	4,443.0	07/12/96	4,310.0
	4512	DILLON RESERVOIR BRDP	BLUE RIVER	198,427.0	05/05/96	258,579.0	07/07/96	238,062.0
	3542	GOOSE PASTURE TARN	BLUE RIVER	922.0	11/01/95	922.0	11/01/95	922.0
	3543	GREEN MOUNTAIN RES	BLUE RIVER	48,590.0	05/04/96	152,412.0	08/03/96	125,510.0
	3548	HOAGLAND RESERVOIR NO 1	ELLIOTT CREEK	50.0	11/01/95	110.0	08/01/96	50.0
	3643	KEYSTONE POND	SNAKE RIVER	100.0	11/01/95	100.0	11/01/95	100.0
	3606	OFFICER GULCH POND	TENMILE CREEK	100.0	11/01/95	100.0	11/01/95	100.0
	3565	REYNOLDS RESERVOIR	SODA CREEK	78.5	03/01/96	157.0	04/15/96	157.0
	3569	UPPER BLACK CREEK RES	BLACK CREEK	273.0	11/01/95	273.0	11/01/95	273.0
	3570	UPPER BLUE LAKE RES	BLUE RIVER	0.0	11/12/95	2,119.3	06/30/96	0.0
	3571	WAY RESERVOIR	BEAVER CREEK	65.0	11/01/95	93.0	06/09/96	69.0
36		Total of All Others < 50 AF		196.3		265.8		196.8
36		Total For District 36		255,402.8		423,335.5		373,511.2

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
37	3600	BENCHMARK LAKE	EAGLE RIVER	125.0	11/01/95	125.0	10/31/96	125.0
	3608	BLACK LAKE	GORE CREEK	362.0	11/01/95	362.0	10/31/96	362.0
	3510	BLACK LAKE NO 2	GORE CREEK	90.0	11/01/95	90.0	10/31/96	90.0
	3698	BOLTS LAKE	CROSS CREEK	34.0	11/01/95	34.0	10/31/96	34.0
	3513	CHALK MOUNTAIN RESERVOIR	EAGLE RIVER	63.8	02/01/96	236.1	07/01/96	236.1
	3699	CLIMAX MOLY NO 4 RES	EAGLE RIVER	0.0		0.0		0.0
	4516	HOMESTAKE RESERVOIR	HOMESTAKE CREEK	20,772.2	04/30/96	42,881.1	11/01/95	40,892.6
	3520	L E D E RESERVOIR	GYP SUM CREEK	230.0	11/01/95	310.0	10/31/96	310.0
	3522	NOECKER RESERVOIR	EBY CREEK	0.0	08/31/96	130.0	06/06/96	0.0
	3524	O Z LAKE (aka Sylvan Lake)	BRUSH CREEK	452.0	11/01/95	452.0	10/31/96	452.0
	3527	ROBINSON RESERVOIR	EAGLE RIVER	1,655.6	07/01/96	2,427.0	11/01/95	1,941.1
	3530	WELSH RESERVOIR	ALKALI CREEK	55.0	11/01/95	147.0	05/01/96	80.0
37		Total of All Others < 50 AF		88.5		137.5		0.0
37		Total for District 37		23,928.1		47,331.7		44,522.8



RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
38	3711	ALICIA LAKE RESERVOIR	LIME CREEK	673.0	11/01/95	673.0	10/31/96	673.0
	4000	BEAVER LAKE	CRYSTAL RIVER	62.5	09/18/96	72.5	11/01/95	72.5
	3722	CONSOLIDATED RESERVOIR	WEST COULTER CREEK	0.0	10/31/96	866.0	04/01/96	0.0
	3774	CRAWFORD DAM NO 1	BLUE CREEK	160.0	11/01/95	160.0	10/31/96	160.0
	3773	CRAWFORD DAM NO 2	BLUE CREEK	56.0	11/01/95	56.0	10/31/96	56.0
	3721	CROOKED CREEK RES	LIME CREEK	40.0	11/01/95	40.0	10/31/96	40.0
	4087	CRYSTAL SPRING LAKE	CRYSTAL SPRING	80.0	11/01/95	80.0	10/31/96	80.0
	4095	FLANNERY RESERVOIR	THREE MILE CREEK	52.1	11/01/95	57.0	06/26/96	57.0
	3779	GRIZZLY RESERVOIR	LINCOLN CREEK	400.0	11/01/95	400.0	10/31/96	400.0
	3727	HIMMELAND LAKE	FRYING PAN RIVER	92.0	11/01/95	92.0	10/31/96	92.0
	3729	HUGHES RESERVOIR	THREE MILE CREEK	62.0	11/01/95	66.5	10/31/96	66.5
	3732	IVANHOE RESERVOIR	FRYING PAN RIVER	246.0	11/01/95	1,097.0	06/01/96	246.0
	3832	JACOBSON LAKES & PONDS	ROARING FORK RIVER	225.0	11/01/95	225.0	10/31/96	225.0
	4154	KODIAK LAKE & WETLANDS	ROARING FORK	60.0	11/01/95	60.0	10/31/96	60.0
	3736	LAKE ANN RESERVOIR	SOPRIS CREEK	0.0	11/01/95	367.0	07/06/96	0.0
	3955	MCNULTY RESERVOIR #2	SHIPPEE RUN CREEK	63.0	11/01/95	72.0	06/25/96	52.0
	3740	RALSTON RESERVOIR	COULTER CREEK	0.0	11/01/95	20.0	06/12/96	0.0
	3713	RUEDI RESERVOIR	FRYING PAN RIVER	32,398.9	04/25/96	99,605.4	08/14/96	80,105.9
	3744	SPRING PARK RESERVOIR	CATTLE CREEK	44.8	10/31/96	1,733.3	06/30/96	44.8
	3747	THOMAS RESERVOIR	THOMAS CREEK	160.0	11/01/95	160.0	10/31/96	160.0
	3753	UPPER CHAPMAN RES	FRYINGPAN RIVER	119.0	11/01/95	119.0	10/31/96	119.0
	3750	VAN-CLEVE FISHER RES	MESA CREEK	0.0	10/31/96	553.0	05/05/96	0.0
	3759	WILDCAT RESERVOIR	SNOWMASS CREEK	1,100.0	11/01/95	1,100.0	10/31/96	1,100.0
	3760	WOODS LAKE RESERVOIR	LIME CREEK	300.0	11/01/95	300.0	10/31/96	300.0
38		Total of All Others < 50 AF		630.4		891.9		0.0
38		Total for District 38		37,024.7		108,866.6		84,109.7

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
39	3999	CHAMBERS POND NO 1	COLORADO RIVER	100.0	11/01/95	137.0	06/01/96	100.0
	4000	CHAMBERS POND NO 2	COLORADO RIVER	200.0	11/01/95	239.0	06/01/96	200.0
	4002	CHAMBERS POND NO 4	COLORADO RIVER	170.0	11/01/95	180.0	06/01/96	170.0
39	3927	CITY OF RIFLE POND NO 1	COLORADO RIVER	64.0	10/31/96	112.0	06/01/96	64.0
	3505	GRASS VALLEY RESERVOIR	RIFLE CREEK	3,084.0	11/01/95	5,700.0	05/01/96	3,666.0
	3506	HARRIS RESERVOIR	WEST RIFLE CREEK	180.0	11/01/95	200.0	06/01/96	180.0
	3940	MEADOW CREEK RESERVOIR	ELK CREEK	885.6	11/01/95	984.0	06/01/96	885.6
	3941	MIDDLE FORK RESERVOIR	PARACHUTE CREEK	85.0	11/01/95	100.0	06/01/96	85.0
	3507	PARK RESERVOIR	WEST ELK CREEK	0.0	09/17/96	140.0	05/31/96	0.0
	3508	RIFLE GAP RESERVOIR	RIFLE CREEK	5,295.0	10/01/96	14,035.0	06/01/96	5,905.0
39		Total of All Others < 50 AF		37.4		72.4		42.3
39		TOTAL FOR DISTRICT 39		10,101.0		21,899.4		11,297.9

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
45	3603	PORTER RESERVOIR	EAST AKALI CREEK	47.0	10/31/96	206.0	05/10/96	47.0
45		Total of All Others < 50 AF		34.9		79.9		38.0
45		TOTAL FOR DISTRICT 45		81.9		285.9		85.0

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
50	3644	ALBERT RESERVOIR	ALBERT CREEK	0.0	07/16/96	126.0	05/29/96	0.0
	3606	ANTELOPE RESERVOIR	ANTELOPE CREEK	90.0	07/28/96	346.0	05/07/96	170.0
	3651	BASIN RESERVOIR	MUDDY CREEK	1.0	11/01/95	116.0	06/04/96	20.0
	3645	BINCO RESERVOIR	ALBERT CREEK	0.0	08/03/96	517.0	06/04/96	0.0
	3618	HINMAN RESERVOIR	PASS CREEK	350.0	07/30/96	611.0	05/15/96	430.0
	3623	LAKE AGNES	MUDDY CREEK	400.0	11/01/95	420.0	06/19/96	400.0
	3646	MARTIN RESERVOIR	COLBURN CREEK	0.0	07/31/96	180.0	05/20/96	180.0
	3625	MATHESON RESERVOIR	TROUBLESOME CREEK	500.0	07/12/96	1,073.0	06/29/96	575.0
	3627	MC ELROY RESERVOIR	PASS CREEK	0.0	11/01/95	240.0	05/18/96	0.0
	3629	MC MAHON RESERVOIR NO 2	RED DIRT CREEK	0.0	09/24/96	3,500.0	06/17/96	0.0
	3655	MILK CREEK RESERVOIR	MILK CREEK	0.0	07/20/96	105.0	06/01/96	0.0
	3656	NORTH MEADOW RESERVOIR (aka Martin	MUDDY CREEK	0.0	07/04/96	302.0	06/10/96	0.0
	3631	OAKS RESERVOIR	MILK CREEK	12.0	11/01/95	53.0	06/10/96	14.0
	3632	PARSONS RESERVOIR	CARTER CREEK	10.0	07/23/96	107.0	06/04/96	20.0
	3642	WHITELEY PEAK RESERVOIR	DIAMOND CREEK	250.0	11/01/95	773.0	05/20/96	550.0
	3657	WOLFORD MOUNTAIN RESERVOIR	MUDDY CREEK	27,669.0	04/24/96	63,777.0	07/07/96	48,553.0
	3643	WOODS RESERVOIR	DUNNING CREEK	19.0	10/31/96	66.0	06/10/96	19.0
	3666	DUMONT LAKE	MUDDY CREEK	180.0	11/01/95	220.0	06/25/96	185.0
50		Total of All Others < 50 AF		130.4		347.1		164.4
50		TOTAL FOR DISTRICT 50		29,611.4		72,879.1		51,280.4

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
				51	4006	BULL RUN CREEK RESERVOIR	BULL RUN CREEK	
	4055	CBT GRANBY RESERVOIR	COLORADO RIVER	438,641.0	05/06/96	539,257.0	06/19/96	502,410.0
	3695	CBT SHADOW MOUNTAIN GRAND LAKE	NO. FORK OF COLO RIVER	17,358.0	05/27/96	18,093.0	12/13/95	17,965.0
	3710	CBT WILLOW CREEK RESERVOIR	WILLOW CREEK	7,002.0	04/29/96	10,089.0	07/09/96	8,629.0
	4012	COTTONWOOD RESERVOIR	GARDINER CREEK	38.0	07/25/96	126.0	05/31/96	112.0
	3715	EAST BRANCH RESERVOIR	UTE CREEK	1,200.0	10/05/96	2,000.0	06/06/96	1,500.0
	3660	F W LINKE NO 2 RESERVOIR	TEN MILE CREEK	0.0	11/01/95	61.0	05/01/96	30.0
	3665	HANKINSON RESERVOIR	FRASER RIVER	116.0	11/01/95	116.0	07/01/96	116.0
	4009	JACK ORR RESERVOIR	COLORADO RIVER	NO INFORMATION AVAILABLE				
	3752	KINGS RESERVOIR	BUFFALO CREEK	230.0	05/01/96	625.0	06/05/96	310.0
	3679	LANGHOLEN RESERVOIR	BATTLE CREEK	7.0	07/22/96	65.0	05/15/96	8.0
	3686	MEADOW CREEK RESERVOIR	MEADOW CREEK	1,209.0	11/01/95	5,598.0	06/07/96	2,802.0
	3687	MOORE RESERVOIR	WILLIAMS FORK RIVER	40.0	10/31/96	100.0	06/09/96	40.0
	3688	MUSGRAVE RESERVOIR	ROCK CREEK	0.0	09/11/96	350.0	07/01/96	0.0
	3693	ROCK CREEK RESERVOIR	ROCK CREEK	0.0	11/01/95	0.0	06/01/96	0.0
	3694	SCHOLL RESERVOIR	CORRAL CREEK	0.0	08/14/96	300.0	06/03/96	0.0
	3734	SNOW MOUNTAIN RESERVOIR NO 1	POLE CREEK	173.7	11/01/95	173.7	06/01/96	173.7
	4051	SUN VALLEY RESERVOIR	NO. FORK OF COLO RIVER	72.0	11/01/95	72.0	07/01/96	72.0
	3701	SYLVAN RESERVOIR	LITTLE MUDDY CREEK	0.0	11/01/95	630.0	06/03/96	0.0
	3738	UTE CREEK RESERVOIR	UTE CREEK	70.0	11/01/95	100.0	06/06/96	70.0
	3709	WILLIAMS FORK RES	WILLIAMS FORK RIVER	59,464.0	05/03/96	97,148.0	06/16/96	77,898.0
51		Total of All Other Reservoirs Less Than 50 AF		223.9		428.1		271.4
51		TOTAL FOR DISTRICT 51		525,934.6		675,456.8		612,497.1

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
52	3940	JONES RESERVOIR	HENRY CREEK	37.9	10/01/96	69.2	05/08/96	37.9
	3982	MARMA LAKE	PINEY RIVER	63.0	11/01/95	63.0	08/22/96	63.0
	3946	OXFORD RESERVOIR	COLORADO RIVER	25.0	10/31/96	59.0	05/01/96	25.0
	3949	ROCK GAP DAM	HARTMAN GULCH	38.6	10/01/96	50.0	11/01/95	38.6
52		Total of All Others < 50 AF		126.2		201.0		134.4
52		TOTAL FOR DISTRICT 52		290.7		442.2		298.9

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
53	3959	CLYDE RESERVOIR	EGERIA CREEK	0.0	11/01/95	66.0	06/06/96	0.0
	3960	CRESENT LAKE RESERVOIR	DERBY CREEK	138.0	11/01/95	237.0	05/02/96	138.0
	3961	ED W HARPER RESERVOIR	EGERIA CREEK	40.0	08/05/96	70.0	11/01/95	40.0
	3962	EGERIA RESERVOIR	EGERIA CREEK	0.0	11/01/95	107.0	06/06/96	0.0
	3966	GRIMES BROOKS RESERVOIR	RED DIRT CREEK	0.0	11/01/95	408.0	06/19/96	116.0
	3968	HADLEY RESERVOIR	EGERIA CREEK	0.0	10/31/96	164.0	06/12/96	0.0
	3971	HEART LAKE RESERVOIR	DEEP CREEK	2,443.0	11/01/95	3,255.0	07/03/96	2,443.0
	3972	HIDDEN SPRINGS RESERVOIR	HORSE CREEK	50.0	11/01/95	50.0	05/30/96	50.0
	3974	JONES NO 1 RESERVOIR	SHEEP CREEK NO 2	0.0	10/31/96	240.0	06/12/96	0.0
	3975	JONES NO 2 RESERVOIR	SHEEP CREEK NO 2	200.0	07/01/96	400.0	06/01/96	260.0
	3978	KELLY RESERVOIR	EGERIA CREEK	67.0	07/29/96	138.0	05/18/96	120.0
	3982	LUARK RESERVOIR	SPRING CREEK	42.0	11/01/95	90.0	05/02/96	42.0
	4020	MACKINAW LAKE RES NO 2	DERBY CREEK	128.0	11/01/95	138.0	05/02/96	128.0
	3986	MORRIS RESERVOIR	TOPONAS CREEK	0.0	11/01/95	0.0	06/01/96	0.0
	3988	NEWTON GULCH RES	KING CREEK	0.0	11/01/95	114.0	05/16/96	0.0
	3992	REID NO 3 RESERVOIR	EGERIA CREEK	0.0	10/31/96	60.0	05/17/96	0.0
	3995	STERNER RESERVOIR	EGERIA CREEK	0.0	11/01/95	195.0	06/06/96	0.0
	3997	SWEETWATER RESERVOIR	SWEETWATER CREEK	490.0	11/01/95	490.0	05/24/96	490.0
	3999	TONIER GULCH RES	TOPONAS CREEK	10.0	10/31/96	60.0	06/06/96	10.0
	4001	TOPONAS ROCK NO 2 RES	TOPONAS CREEK	137.0	11/01/95	196.0	06/06/96	137.0
	4004	WOHLER RESERVOIR	ELK CREEK	70.0	11/01/95	82.0	05/02/96	70.0
53		Total of All Others < 50 AF		257.4		446.7		267.9
53		TOTAL FOR DISTRICT 53		4,072.4		7,006.7		4,311.9

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
70								
70		Total of All Others < 50 AF						
70		TOTAL FOR DISTRICT 70		0.0		0.0		0.0



RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
72	3833	ANDERSON BROS RES NO 1	LEON CREEK	0.0	11/01/95	216.0	05/24/96	0.0
	3887	BIG BEAVER RESERVOIR	BULL CREEK	0.0	11/01/95	126.7	05/02/96	0.0
	3904	BIG CREEK NO 1 RESERVOIR	BIG CREEK	NOT USABLE--UNDER RECONSTRUCTION				
	3905	BIG CREEK NO 3 RESERVOIR	BIG CREEK	618.0	04/22/96	1,549.4	11/01/95	1,549.4
	3906	BIG CREEK NO 4 RESERVOIR	BIG CREEK	0.0	12/11/95	180.1	09/23/96	180.1
	3907	BIG CREEK NO 5 RESERVOIR	BIG CREEK	0.0	12/11/95	104.6	05/28/96	104.6
	3909	BIG CREEK NO 7 RESERVOIR	BIG CREEK	702.2	11/20/95	1,222.6	05/16/96	906.3
	3841	BOB MC KELVIE RESERVOIR	PLATEAU CREEK	0.0	09/10/96	291.0	06/18/96	0.0
	3888	BULL BASIN NO 1 RES	BULL CREEK	63.7	10/04/96	124.2	11/01/95	70.0
	3889	BULL BASIN NO 2 RES	BULL CREEK	0.0	11/01/95	68.2	06/04/96	0.0
	3890	BULL CREEK NO 1 RES	BULL CREEK	0.0	11/01/95	60.0	05/02/96	0.0
	3891	BULL CREEK NO 2 RES	BULL CREEK	0.0	08/23/96	62.2	11/01/95	0.0
	3892	BULL CREEK NO 3 RES	BULL CREEK	0.0	11/01/95	59.2	05/02/96	0.0
	3893	BULL CREEK NO 4 RES	BULL CREEK	0.0	11/01/95	202.5	05/02/96	0.0
	3894	BULL CREEK NO 5 RES	BULL CREEK	42.4	10/15/96	260.0	07/15/96	42.4
	3834	COLBY HORSE PARK RES	LEON CREEK	48.7	10/01/96	474.2	06/01/96	48.7
	3883	COON CREEK NO 1 RES	COON CREEK	107.5	09/27/96	393.6	06/04/96	118.2
	3884	COON CREEK NO 2 RES	COON CREEK	0.0	11/01/95	185.1	06/19/96	0.0
	3885	COON CREEK NO 3 RES	COON CREEK	12.1	11/01/95	154.2	07/02/96	52.0
	3923	COTTONWOOD LAKES RES NO 1	COTTONWOOD CREEK	998.7	01/24/96	1,928.6	06/24/96	1,620.6
	3924	COTTONWOOD LAKES RES NO 2	COTTONWOOD CREEK	0.0	11/01/95	206.1	06/03/96	0.0
	3925	COTTONWOOD LAKES RES NO 4	COTTONWOOD CREEK	47.0	05/01/96	302.8	06/03/96	285.1
	3926	COTTONWOOD LAKES RES NO 5	COTTONWOOD CREEK	230.4	05/06/96	342.3	11/01/95	329.7
	4065	CURRIER RESERVOIR NO 2	BUZZARD CREEK	NO INFORMATION AVAILABLE				
	3910	DAWSON RESERVOIR	BIG CREEK	0.0	01/29/96	213.4	05/20/96	145.0
	3920	ECHO LAKE RESERVOIR	BIG SALT WASH	0.0	07/15/96	95.5	06/01/96	0.0
	3914	GROVE CREEK RESERVOIR NO 1	GROVE CREEK	0.0	11/01/95	251.7	06/17/96	0.0
	3915	GROVE CREEK RESERVOIR NO 2	GROVE CREEK	0.0	11/01/95	75.5	06/17/96	0.0
72		Subtotal This Page		2,870.7		9,149.7		5,452.1

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1995				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
				72	3849	HAWXHURST RESERVOIR	HAWXHURST CREEK	
	3957	HIGHLINE RESERVOIR	COLORADO RIVER	2,380.0	09/30/96	2,900.0	10/24/96	2,705.0
	3929	JENSEN RESERVOIR	COTTONWOOD CREEK	51.9	08/22/96	90.7	11/01/95	51.9
	3961	JERRY CREEK RESERVOIR NO 1	PLATEAU CREEK	1,095.4	02/02/96	1,167.6	07/09/96	1,121.7
	3962	JERRY CREEK RESERVOIR NO 2	PLATEAU CREEK	6,237.1	02/01/96	6,320.9	11/01/95	6,320.9
	3837	KENDALL RESERVOIR	LEON CREEK	0.0	08/30/96	76.0	11/01/95	0.0
	3838	KIRKENDALL RESERVOIR	LEON CREEK	0.0	08/30/96	161.0	11/01/95	0.0
	3839	LEON LAKE RESERVOIR	LEON CREEK	147.5	10/31/96	1,610.2	07/01/96	147.5
	3895	LOST LAKE RESERVOIR	BULL CREEK	0.0	08/05/96	111.0	06/12/96	0.0
	3871	MESA CREEK NO 1 RESERVOIR	MESA CREEK	0.0	11/01/95	280.2	05/02/96	179.1
	3872	MESA CREEK NO 2 RESERVOIR	MESA CREEK	48.8	11/01/95	48.8	11/01/95	48.8
	3873	MESA CREEK NO 3 RESERVOIR	MESA CREEK	0.0	10/18/96	238.9	06/19/96	0.0
	3874	MESA CREEK NO 4 RESERVOIR	MESA CREEK	43.1	10/22/96	320.2	06/04/96	43.1
	3842	MONUMENT NO 1 RESERVOIR	LEON CREEK	0.0	08/31/96	572.0	06/01/96	0.0
	3843	MONUMENT NO 2 RESERVOIR	LEON CREEK	0.0	08/31/96	168.0	11/01/95	0.0
	3854	PALISADE CABIN RESERVOIR	RAPID CREEK	799.2	09/23/96	989.5	11/01/95	799.2
	3932	PARKER BASIN RESERVOIR NO 1	COTTONWOOD CREEK	0.0	04/08/96	271.6	11/01/95	249.5
	3933	PARKER BASIN RESERVOIR NO 2	COTTONWOOD CREEK	50.8	11/01/95	60.0	05/13/96	52.9
	3934	PARKER BASIN RESERVOIR NO 3	COTTONWOOD CREEK	0.0	09/30/96	278.5	05/23/96	0.0
	3858	RAPID CREEK NO 1 RESERVOIR	RAPID CREEK	0.0	11/01/95	436.3	06/28/96	217.5
	3859	RAPID CREEK NO 2 RESERVOIR	RAPID CREEK	0.0	11/01/95	521.1	06/12/96	0.0
	3901	STUBB McKINNEY CLARK RESERVOIR	SPRING CREEK	10.3	10/18/96	200.1	05/02/96	10.3
	3931	T E KITSON RESERVOIR	COTTONWOOD CREEK	108.2	05/06/96	184.3	11/01/95	157.6
	3902	TWIN BASIN RESERVOIR	BULL CREEK	0.0	11/01/95	114.0	07/05/96	1.7
	3844	VEGA RESERVOIR	PLATEAU CREEK	5,217.0	11/01/95	34,849.0	07/09/96	6,081.0
	3919	Y T RESERVOIR	GROVE CREEK	66.5	11/01/95	119.2	05/13/96	45.0
72		Subtotal This Page		16,255.8		52,295.9		18,232.7
72		Subtotal Previous Page(s)		2,870.7		9,149.7		5,452.1
72		Total of All Other Reservoirs Less Than 50 AF		43.5		239.8		58.8
72		TOTAL FOR DISTRICT 72		19,170.0		61,685.4		23,743.6

RESERVOIR STORAGE SUMMARIES BY DISTRICT

1996				AMOUNT IN STORAGE (AF)				
WD	ID	RESERVOIR NAME	SOURCE STREAM	Minimum		Maximum		End Of Year
				AF	Date	AF	Date	
36				255,402.8		423,335.5		373,511.2
37				23,928.1		47,331.7		44,522.8
38				37,024.7		108,866.6		84,109.7
39				10,101.0		21,899.4		11,297.9
45				81.9		285.9		85.0
50				29,611.4		72,879.1		51,280.4
51				525,934.6		675,456.8		612,497.1
52				290.7		442.2		298.9
53				4,072.4		7,006.7		4,311.9
70				0.0		0.0		0.0
72				19,170.0		61,685.4		23,743.6
		GRAND TOTAL FOR DIVISION 5		905,617.6		1,419,189.3		1,205,658.5

DIVISION 5 -- 1996  
WATER DIVERSION SUMMARIES

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 AVAILABLE (2)	NO WATER TAKEN (3)	NO INFO AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS AF	NUMBER OF ACRES IRRIGATED	AVERAGE AF PER ACR
36	319	0	76	97	174	9,971	890,685	173,888	86,492	12,567	6.88
37	248	0	272	100	362	4,831	195,050	25,627	113,890	14,270	7.98
38	1,165	9	164	817	318	5,226	682,911	73,056	298,438	40,598	7.35
39	500	3	159	158	199	657	181,806	8,371	133,827	21,899	6.11
45	554	21	99	7	114	2,448	120,296	390	111,115	25,754	4.31
50	234	0	20	11	23	1,033	138,639	41,496	93,025	22,191	4.19
51	693	0	144	159	201	22,202	788,933	169,301	175,187	26,428	6.63
52	203	2	27	18	69	349	41,784	163	38,792	6,375	6.09
53	496	0	92	49	86	1,323	956,263	2,932	89,991	19,322	4.66
70	201	29	39	2	102	554	35,572	48	34,642	6,463	5.36
72	583	9	137	343	335	29,301	1,959,950	35,518	919,907	113,245	8.12
TOTAL	5,196	73	1,229	1,761	1,983	77,895	5,991,889	530,790	2,095,306	309,112	6.15

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.



DIVISION 5 -- 1996  
WATER DIVERSION SUMMARIES TO VARIOUS USES

'D	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
6	56,403	0	7,352	42	1,349	3,896	638	486	24
7	46,833	0	4,916	1	457	0	0	68	1,535
8	74,541	2,218	7,292	18	531	65	57,922	3,281	3,318
9	0	1,606	2,061	20	21	0	30,805	3,031	1,413
5	0	0	1,592	4	31	0	0	797	6,106
0	0	0	421	0	0	0	28	16	379
1	278,894	2,123	1,990	65	1,692	612	1,695	266	3,051
2	0	584	0	3	4	0	726	99	1,324
3	0	0	3,023	3	0	7	558	1,004	332
0	0	0	49	0	0	0	0	19	754
2	2,252	1,773	19,525	0	0	0	26,450	508	21,836
TAL	458,923	8,304	48,221	156	4,085	4,580	118,822	9,575	40,072

D	AUGMENTATION	EVAPORATION	GEOHERMAL	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
6	231	11,255	0	893	0	547,736	0	0	0
7	192	825	0	706	0	0	0	0	0
8	171	2,950	53	209	1,563	157,211	74	0	0
9	182	304	0	0	0	165	0	0	0
5	15	192	0	0	0	54	0	0	0
0	0	3,274	0	0	0	0	0	0	0
1	14	27,411	0	173	0	126,458	1	0	0
2	5	84	0	0	0	0	0	0	0
3	3	1,336	0	0	0	857,074	0	0	0
0	11	49	0	0	0	0	0	0	0
2	70	2,337	0	0	0	929,774	0	0	0
TAL	894	50,017	53	1,981	1,563	2,618,472	75	0	0

**DIVISION 5 -- 1996  
WATER DIVERSION SUMMARIES**

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 AVAILABLE (2)	NO WATER TAKEN (3)	NO INFO AVAILABLE (4)	NO RECORD (5)				TOTAL DIVERSIONS AF	NUMBER OF ACRES IRRIGATED	AVERAGE AF PER ACRE
36	695	474	550	571	174	9,976	890,659	173,919	86,473	12,567	6.88
37	819	556	828	656	362	4,731	194,767	25,344	113,890	14,270	7.98
38	3,229	1,950	2,105	2,758	318	5,226	681,347	73,056	298,438	40,598	7.35
39	1,265	764	920	919	199	636				21,899	
45	1,296	706	784	692	114	2,448	120,281	390	111,115	25,754	4.31
50	428	252	272	263	23	1,033	138,639	41,496	93,025	22,191	4.19
51	988	988	1,024	988	201						
52	389	252	277	268	69	349	41,784	163	38,792	6,375	6.09
53	632	632	635	632	86						
70	497	307	317	280	102	554	35,572	48	34,642	6,463	5.36
72	966	966	1,003	966	335						
<b>TOTAL</b>	<b>11,204</b>	<b>7,847</b>	<b>8,715</b>	<b>8,993</b>	<b>1,983</b>	<b>24,953</b>	<b>2,103,049</b>	<b>314,416</b>	<b>776,375</b>	<b>150,117</b>	<b>6.02</b>

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.

DIVISION 5 -- 1996  
WATER DIVERSION SUMMARIES TO VARIOUS USES

WD	TRANSMOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	MUNICIPAL	COMMERCIAL	INDUSTRIAL	RECREATION	FISHERY	DOMESTIC & HOUSEHOLD	STOCK
36	56,403	0	7,352	42	1,349	4,231	197	545	33
37	46,833	0	4,916	1	457	0	0	68	1,535
38	74,541	2,218	7,292	18	531	65	57,922	3,280	3,318
39									
45	0	0	1,592	4	31	0	0	797	6,106
50	0	0	421	0	0	0	28	16	379
51									
52	0	584	0	3	4	0	726	99	1,324
53									
70	0	0	49	0	0	0	0	19	754
72									
<b>TOTAL</b>	<b>177,777</b>	<b>2,802</b>	<b>21,622</b>	<b>68</b>	<b>2,372</b>	<b>4,296</b>	<b>58,873</b>	<b>4,824</b>	<b>13,449</b>

WD	AUGMENTATION	EVAPORATION	GEOHERMAL	SNOWMAKING	MINIMUM STREAMFLOW	POWER GENERATION	WILDLIFE	RECHARGES	OTHER
36	231	11,255	0	893	0	547,736	0	0	0
37	192	825	0	706	0	0	0	0	0
38	171	2,950	53	209	0	157,211	74	0	0
39									
45	0	192	0	0	0	54	0	0	0
50	0	3,274	0	0	0	0	0	0	0
51									
52	5	84	0	0	0	0	0	0	0
53									
70	11	49	0	0	0	0	0	0	0
72									
<b>TOTAL</b>	<b>610</b>	<b>18,629</b>	<b>53</b>	<b>1,808</b>	<b>0</b>	<b>705,001</b>	<b>74</b>	<b>0</b>	<b>0</b>



**1996 Annual Report  
Water Division 5**

**D. WATER COURT ACTIVITIES**

Calendar Year 1996

Applications Made to Water Court for Div. 5 (96CW001 - 96CW387) = 349

No. of Consultations with Referee = 284 Complaints = 1

Withdrawn Cases = 3 Dismissals = 18 Denials = 2

No. of Cases Decreed by Water Court = 359

TYPE OF DECREE	# CASES	# STRUCTURES
Findings of Diligence on Conditional Rights	116	
Cancellations of Conditional Water Rights	13	16
Conditional Rights Made Absolute	40	
Surface Water Rights Adjudicated	95	278
Underground Water Rights Adjudicated	54	132
Water Storage Rights Adjudicated	35	75
Plans for Augmentation Adjudicated	54	
Changes of Water Rights (Location) Adjudicated	45	
Changes of Water Rights (Use) Adjudicated	4	
Instream Flow Rights Adjudicated	0	0
Amend Augmentation Plans	4	
TOTAL.....:	460	

Number of Cases Decreed by Water District:

WD 36 = 28      WD 39 = 26      WD 51 = 29      WD 70 = 5  
 WD 37 = 33      WD 45 = 32      WD 52 = 5      WD 72 = 58  
 WD 38 = 117      WD 50 = 12      WD 53 = 21

Number of Cases of Decreed Augmentation Plans - by Water District:

WD 36 = 8      WD 39 = 1      WD 51 = 9      WD 70 = 1  
 WD 37 = 5      WD 45 = 5      WD 52 = 0      WD 72 = 3  
 WD 38 = 26      WD 50 = 1      WD 53 = 1

Number of Decreed Surface Rights - by Water District: = 278

WD 36 = 6      WD 39 = 49      WD 51 = 4      WD 70 = 17  
 WD 37 = 45      WD 45 = 28      WD 52 = 2      WD 72 = 48  
 WD 38 = 56      WD 50 = 3      WD 53 = 17

Number of Decreed Underground Rights - by Water District: = 132

WD 36 = 10      WD 39 = 3      WD 51 = 50      WD 70 = 0  
 WD 37 = 8      WD 45 = 10      WD 52 = 0      WD 72 = 5  
 WD 38 = 32      WD 50 = 2      WD 53 = 3

Number of Decreed Storage Rights - by Water District: = 75

WD 36 = 2      WD 39 = 0      WD 51 = 1      WD 70 = 7  
 WD 37 = 7      WD 45 = 4      WD 52 = 0      WD 72 = 26  
 WD 38 = 24      WD 50 = 0      WD 53 = 4

**1996 Annual Report  
Water Division 5**

**E. COLORADO RIVER CALLS**

**SUMMARY OF COLORADO RIVER CALLS**

**1996 WATER YEAR**

**COLORADO RIVER MAINSTEM  
GOVERNING CALL ABOVE  
SHOSHONE POWER PLANT**

(Districts 36, 37, 50, 51, 52, 53)

DATE ON	DATE OFF	CALLING WATER RIGHT	DECREED AMOUNT	ADMINISTRATIVE NUMBER
12/11/1995	01/02/1996	Shoshone Power Plant	158.00 cfs	33023.28989
08/13/1996	09/18/1996	Grand Valley Canal	119.47 cfs	30895.23491
09/18/1996	10/01/1996	Shoshone Power Plant	1250.00 cfs	20427.18999
(Note: Only rights with Admin. Numbers less than or equal to 31258.00000 had to be curtailed as a result of this call.)				
10/01/1996	10/28/1996	Shoshone Power Plant	158.00 cfs	33023.28989

**COLORADO RIVER MAINSTEM  
GOVERNING CALL ABOVE  
CAMEO AND BELOW SHOSHONE POWER PLANT  
(Districts 38, 39, 45, 70, 72)**

DATE ON	DATE OFF	CALLING WATER RIGHT	DECREED AMOUNT	ADMINISTRATIVE NUMBER
08/13/1996	09/18/1996	Grand Valley Canal	119.47 cfs	30895.23491

**1996 Annual Report**  
**Water Division 5**

**III. OFFICE ADMINISTRATION AND WORKLOAD MEASURES**

NUMBER OF WATER COURT APPLICATIONS: 96CW001 through 96CW387  
Division 5 = 349

No. Of Water Court Applications For Div. 5 - By Water District:  
(3 cases include more than one district)

WD 36 =	37	WD 39 =	26	WD 51 =	43	WD 70 =	6
WD 37 =	47	WD 45 =	31	WD 52 =	3	WD 72 =	38
WD 38 =	88	WD 50 =	12	WD 53 =	21		

No. of Surface Rights in New Applications - By Water District: = 193

WD 36 =	19	WD 39 =	24	WD 51 =	5	WD 70 =	14
WD 37 =	24	WD 45 =	34	WD 52 =	2	WD 72 =	24
WD 38 =	27	WD 50 =	6	WD 53 =	14		

No. of Underground Rights in New Applications - By Water District: = 90

WD 36 =	5	WD 39 =	19	WD 51 =	33	WD 70 =	0
WD 37 =	12	WD 45 =	9	WD 52 =	0	WD 72 =	2
WD 38 =	6	WD 50 =	0	WD 53 =	4		

No. of Storage Rights in New Applications - By Water District: = 89

WD 36 =	0	WD 39 =	10	WD 51 =	9	WD 70 =	7
WD 37 =	27	WD 45 =	19	WD 52 =	0	WD 72 =	3
WD 38 =	8	WD 50 =	5	WD 53 =	1		

No. of Cases of Augmentation Plans in New Applications - By Water District: = 51

WD 36 =	5	WD 39 =	5	WD 51 =	13	WD 70 =	1
WD 37 =	9	WD 45 =	3	WD 52 =	1	WD 72 =	1
WD 38 =	12	WD 50 =	1	WD 53 =	0		

Orders For Installation and/or Repair of Headgates - By Water District:

WD 36 =	7	WD 39 =	1	WD 51 =	1	WD 70 =	0
WD 37 =	0	WD 45 =	1	WD 52 =	0	WD 72 =	2
WD 38 =	1	WD 50 =	0	WD 53 =	0		

No. of Protests to 1992 Abandonment List = 1

**1996 Annual Report  
Water Division 5**

DIVISION 5 - PERSONAL REIMBURSABLE MILEAGE (2-WHEEL and 4-WHEEL):

NAME	POSITION	CALENDAR YR 1/1-12/31/96	FISCAL YR 7/1/95- 6/30/96	IRRIGATION YR 11/1/95- 10/30/96
<u>OFFICE STAFF</u>				
Orlyn Bell	Division Engineer	330	330	330
Alan Martellaro	Assistant Division Engineer	1,040	1783	1124
Robert McCabe	Water Resource Engineer	1,650	893	1991
Judy Sappington	Hydrographer	0	0	0
John Blair	Dam Safety Engineer	0	0	0
Dwight Whitehead	Wells Commissioner	0	0	0
Don Meyer	Eng/Phys Sci Tech (hired 12/96)	0	0	0
Steve Pope	Eng/Phys Sci Tech (hired 12/96)	0	0	0
Nancy Hitchcock	Admin Assistant	0	0	0
<u>FULL TIME EMPLOYEES IN THE FIELD:</u>				
Scott Hummer	Wtr Commissioner WD 36	2,795	2,512	2,903
Joe Bergquist	Wtr Commissioner WD 38	9,902	6,319	8,862
Robert Klenda	Wtr Commissioner WD 45	895	766	895
William Thompson	Wtr Commissioner WD 50	14,275	13,596	15,014
L. Wayne Wells	Wtr Commissioner WD 72	377	85	377
<u>PERMANENT PART-TIME EMPLOYEES IN THE FIELD:</u>				
William McEwen	Wtr Commissioner WD 37	658	175	453
Larry Gepfert	Wtr Commissioner WD 38/45	10,043	10,426	9,675
James Lemon	Wtr Commissioner - WD 39	1,854	3,435	1,854
James Daxton	Wtr Commissioner - WD 51	10,645	10,157	10,840
Frank Schaffner	Wtr Commissioner - WD 52/53	4,990	7,833	5,414
Don Mackey	Wtr Commissioner - WD 70	10,579	9,548	11,255
Tom Brigham	Wtr Commissioner - WD 72	10,453	11,507	11,129
Alan Comerer	Wtr Commissioner - WD 72	5,905	5,064	5,905
Tom Cox	Wtr Commissioner - WD 72	8,240	8,676	8,735
Ronald Greene	Wtr Commissioner - WD 72	6,202	6,164	6,202
<u>OTHER:</u>				
Glen Nelson	Wtr Comm WD 45 (retired 12/95)	0	563	0
Rebecca Nichols	Temp QA/QC (till 4/96)	430	910	910
<b>TOTALS:</b>		<b>101,263</b>	<b>100,742</b>	<b>103,868</b>

**1996 Annual Report  
Water Division 5**

MILEAGE FOR LEASE VEHICLES ASSIGNED TO DIVISION 5:

VEHICLE NO.	CALENDAR YR 1/1-12/31/96	FISCAL YR 7/1/95- 6/30/96	IRRIGATION YR 11/1/95-10/30/96
01-8416= 368A71	11,384	6,868	9,552
01-8730= 369A71	14,731	15,725	14,969
01-8795= 370A71	20,388	18,282	21,372
01-8796= 371A71	15,247	14,609	16,648
01-9145= 372A71	17,454	16,842	16,550
01-9243= 373A71	17,122	17,946	16,333
01-9153= 374A71	19,158	14,793	18,710
<b>TOTALS:</b>	<b>115,484</b>	<b>105,065</b>	<b>114,134</b>
TOTAL LEASE VEHICLE MILES DRIVEN:	115,484	105,065	114,134
TOTAL PERSONAL MILES DRIVEN:	101,263	100,742	103,868
<b>TOTAL MILES DRIVEN:</b>	<b>216,747</b>	<b>205,807</b>	<b>218,002</b>