

ANNUAL REPORT
WATER DIVISION 5
TABLE OF CONTENTS

	<u>PAGE</u>
I. WATER ADMINISTRATION	
A. 1987 Water Year	
1. Accomplishments	1
2. Involvement in the Water User Community....	3
3. Issues Impacting Division 5	4
4. Issues of Concern	6
5. Effect of Workload Changes	7
6. Impact of the Budgets on Operations	7
B. 1988 Water Year	
1. Operational Concerns	8
2. Projected Work Items for 1988	8
3. Goals and Objectives	9
II. STATISTICAL INFORMATION	
A. Transmountain Diversion Summaries	11-13
B. Reservoir Storage Summaries	14-30
C. Water Diversion Summaries by District	31-32
D. Water Court Activities	33
E. River Calls	33
F. Office Administration	34

ANNUAL REPORT
WATER DIVISION 5

I. WATER ADMINISTRATION

A. 1987 Water Year

In 1985 a lot of projects were identified and started as well as implementation of new procedures for about everything done in Division 5. In 1986 the work force jelled and a great volume of work both accurate and professional, was accomplished. 1987 was to be the payoff year.

This year began with an aura of optimism. Reality, however, set in and to offer an analogy, the situation resembles the building of a house where the framers work for a week and have what looks like a project 50 percent done. However, it takes the plumbers, electricians, and finish workers another three months to bring it to completion.

1987 was devoted to detail. The finish work takes time and expectations of project completions and moving on to others just never materialized. The net result is that 1987 was very similar to 1986. A lot of good solid work was accomplished but the mile markers were hard to see.

1. Accomplishments

The goals and objectives of the last several years' reports are continually coming closer to being a reality as various work items are accomplished or near completion.

The abandonment hearings are completed. A decree will be forthcoming which will finalize the list and ready it for inclusion in the 1988 tabulation.

Work on the tabulation continued with approximately 50 percent of the backlog in augmentation plans completed. Sixty percent of the 399 new decrees have been entered and Water District 38 was thoroughly reviewed and corrected (3,500-plus line items). A lot of work occurred in the other districts as well since the software became available for current status listings.

There were 328 water court applications in 1986 and 398 in 1987. Most of these were field inspected, have had water referee consultations written, and were decreed.

The 1987 diversion data of water usage has been collected and entered into the diversion data base. We are now going through the last revisions of the printouts and readying them for signing by the Water Commissioners. The in-house PC and software are continuing to revolutionize this process.

We have completed all of the 44 assigned reservoir inspections plus 4 carryovers from the year before. Two were done by engineers in order to access improvements in order to remove restrictions. All five assigned to Division 5 engineers were done.

Fifty reservoir restrictions were carefully monitored by the Water Commissioners. Due to owner cooperation and efforts by personnel from the Dam Safety Branch and our office, nine restrictions were lifted; five new restrictions were added. Two restrictions were relaxed but not removed and restrictions were increased on six.

We continue to develop and use several much-needed data bases. The wells, water cases, abandonments, reservoirs, augmentation plans and our expenditures are now tracked electronically.

Each Water Commissioner diagrammed and coded a system for record keeping for diversions, deliveries, and water use for each non-ordinary (source river, use irrigation, etc.) diversion. Including these in this year's and future years' records should greatly enhance the quality of the records. Also the percentage of diversions for which records are kept increased from an estimated level of 30 percent to perhaps 50 percent. User-supplied data is being solicited in many instances, particularly in small spring and well situations and in nearly all municipal supply situations.

Probably the most significant single accomplishment, however, was that a total river call was administered much of the year--not perfectly by any means--but many of the individual parts are coming together. The Colorado River Accounting software is about 80 percent complete and usable. Water Commissioner understanding and ability to timely deliver real time diversion data is increasing.

The remote data transmitted via satellite provided real time data that enabled our administrative decisions to be more responsive and save water. This system also monitored data from other agencies such as the National Weather Service, the USGS, the U.S. Bureau of Reclamation, Denver Water Board, Northern Colorado Water Conservancy District, and Colorado Springs.

The water-using public is becoming aware that water administration does and will exist on a whole river scale.

2. Involvement in the Water User Community

There has been continued effort this year to increase contact with the water user community. Water Commissioners have specifically made that their responsibility and have been successful in it. Municipalities and non-exempt well owners including those with augmentation plans have been systematically contacted concerning measuring devices and have submitted much diversion information.

The Division Engineer has been carefully reviewing each new augmentation plan. It is imperative that he work with the 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 the decrees were signed.

The Division Office continues to facilitate usage by the public. The more accurate tabulation, decree books with indexes, updated structure lists, well permit information, organized diversion data, combined with a concerted effort to assist anyone with questions has brought this about. It is also convenient for them to have a place to work.

Public information meetings were set up in five locations within the Division. While these were sporadically attended, those who did attend expressed appreciation and approval, and learned a lot. Three well-attended meetings were held for major water users where the subject was "Clarification of Division 5 Water Administration."

3. Issues Impacting Division 5

There are several important trends that are impacting Division 5 which affect the direction of water administration. Decisions will be made for manpower needs, work coverage, and new technology required to deal with these trends.

First, the NEW DEMANDS on a sometimes limited water supply are creating all kinds of pressures.

(a) The rapid growth in the high country combined with ski industry demands, including water for snow making, has necessitated not only more augmentation plans but increasingly complex augmentation plans requiring more manpower and expertise in administration.

(b) East Slope demands, such as Windy Gap, Northern Colorado's major transmountain water diversion, have come on-line and effectively depleted any excess water in the Upper Colorado River requiring more stringent administrative practices. The exchange pool from Windy Gap for the Middle Park Water Conservancy District will create additional measurements and paperwork to track water exchanged up the Blue River for snow making and municipal uses.

(c) The Front Range metropolitan area has been involved in several major negotiations concerning water from the Colorado River. An agreement has been signed with Public Service Company of Colorado concerning payment in lieu of power generation at the Shoshone Power Plant (the major river call on the Colorado River), thus freeing up an additional depletion to the Colorado River of 30,000 to 50,000 acre feet of firm yield during the non-irrigation season. No request to administer this agreement has been made but will occur sometime.

(d) Previously, agreements were signed with Summit County enabling augmentation plans and growth to proceed in the Upper Blue River with a uniform approach and protection for Denver water rights. Those have run headlong into minimum streamflow filings by the Water Conservation Board. This will create need for careful winter administration of the exchanges involved.

(e) Finally, a major agreement was worked out last year with the Colorado River Water Conservation District which basically gives Western Colorado

a number of storage reservoirs for their usage, gives Northern Colorado several storage reservoirs for their replacement usage, and gives the Denver metro area the Blue and Williams Fork Rivers, including Green Mountain Reservoir.

All of these agreements will necessarily be administered by exchanges with very little of the administrative details as of yet even conceived. The fairly new principal operating policy for Green Mountain Reservoir along with the federal Blue River decrees and Senate Document 80 now look like interim steps in the continual movement of water to the highest usage.

Second, under OLD DEMANDS, the entry and demise of the oil shale industry has affected Division 5 in many ways.

(a) Conditional water rights have been left undeveloped, water rights that were transferred from agriculture to industrial uses have been left standing and once farmed lands are turning to sagebrush. Oil prices will rise again and therefore the industry is protecting their rights but the population growth pressures associated with it has waned.

(b) Agriculture, along with the economy on the lower river, is just getting by. With farm prices as low as they are and real estate falling terribly with the oil shale industry, there is little incentive to use water and maintain agriculture. The bright spots are the good fruit crop this year and the rise in cattle prices.

(c) Further downstream, the Central Arizona Project is using more water and so far has taken it from California. Someday this will affect administration in Colorado also and we should be prepared for it.

(d) Finally, governmental policies are continuing to slowly shift toward more emphasis on environmental issues. The federal government has been heavily involved in cleaning up the salinity problems in the Grand Valley. The Federal Fish and Wildlife Service is making overtures toward storage pools in West Slope reservoirs to be used for endangered species programs. The United States Bureau of Reclamation is less involved with large agriculture projects. Even the Colorado Water Conservation Board's involvement centers around minimum streamflows and fish and wildlife habitat.

The adopting of the Colorado River Accounting which is being phased out by the United States Bureau of Reclamation has put considerable strain on our manpower. This project has had to be absorbed by our staff and the hydrographic work necessary is left undone. A bill is presently before the state legislature to create the FTE's and funding support to correct the deficiencies.

4. Issues of Concern

We, again, have many of the same concerns that we had last year. The main concern is the inability of the staff to accomplish all that needs to be done in almost any area. The continuing areas of concern are:

- Number and complexity of augmentation plans are prohibitive to administer with existing staff and methods.
- Much work is still needed on the tabulation prior to republishing.
- Do not have the hydrographic staff to handle the river accounting.
- Fifty percent of the structures have no record at all.
- Many diversion records are estimated rather than observed.
- Staff gauges and capacity tables are almost non-existent for reservoirs.
- Many of the structures have no control and/or measuring devices.

A general river call requiring deliveries of Green Mountain water and the accounting of such is still not satisfactory. The Satellite Monitoring system has improved our accessibility to accurate data; however, there are a number of holes in the system.

There is a lack of Water Commissioner coverage in the Blue River area. There has been a large conversion of agricultural lands and waters to commercial and municipal development in District 36

and the decretal information and the data-gathering network cannot function without a Water Commissioner.

Three hundred thousand to five hundred thousand acre-feet of diversions are not monitored for quality control by any neutral party, which creates nervousness and feeds East Slope/West Slope tensions.

5. Effect of Workload Changes

As mentioned above, the adoption of the Colorado River Accounting, the addition of the PC's to the Division Office, and the Abandonment proceedings have all placed extra time demands on the Division 5 office staff. The time spent learning how to operate the PC's will eventually decrease as we develop operating proficiency. The Satellite Monitoring system does take additional time to put the data produced in a usable form as well as time spent in training personnel in operations.

An engineering FTE was transferred into Division 5. This has helped offset the general increase in workload and will eventually help to reduce the work backlog.

6. Impact of the Budgets on Operations

We do not have enough FTE's to put Water Commissioners in each Water District. Additionally, 14 of 19 are part-time people and the seasonal nature of their employment severely hampers the updating of structure lists, administrative lists, tabulations, or any other non-direct water administration activity.

Not only were we short in human resources but operating funds were precariously low. We had only enough to provide us with the supplies we needed to function by transferring travel money to operating.

Funds for capital expenditures were not received. However, we did divert small amounts of operating to purchase used goods through the government resale program.

Travel money was one place we had an excess in 1987. This was due to the terrible water year that we had. We also were fairly confined to the office due to priority work there. This will shift as the backlog of work is completed.

B. 1988 Water Year

1. Operational Concerns

1988 will surely be the year of finishing old projects and moving on to new ones. We are still working on a sizable backlog but expect to bring much of that to an end, especially if we get some additional help. The real problem is the large backlog of untabulated decrees. Most are very complicated augmentation plans or large multi structure decrees covering several water districts. We continue to deal with the present as needs dictate and are implementing projects necessary to provide the basis for better administration in the future.

The U.S. Bureau of Reclamation's pullout of operations on the Colorado-Big Thompson has left a hydrographic void on the Upper Colorado that, combined with the Satellite Monitoring maintenance on gaging stations, creates a need for several full-time hydrographers.

The volume of Water Court activity has increased somewhat again which will continue to use our resources.

2. Projected Work Items for 1988:

Other than the usual business of:

(1) administering water, (2) collecting and recording diversion data, (3) reservoir inspections, (4) hydrographic work, and (5) reviewing water applications, the following are Projected Work Items for the next year and for the next five years:

- (a) Train Water Commissioners in (1) reviewing water rights applications, (2) estimating irrigated acreage, (3) determining stream mile numbers.
- (b) Finish tabulation work for Districts 36 and 51.
- (c) In Colorado River Accounting, create spread sheet program for West Slope depletions.
- (d) Assemble corrected up-to-date current status lists for all Water Districts by which water administration can take place.
- (e) Tabulate outstanding augmentation plans.
- (f) Install control structures and measuring devices at appropriate headings.

- (g) Establish an augmentation plan data base that can be used for administration.
- (h) Establish accounting system for each active augmentation plan.
- (i) Write Individual Performance Objectives (IPO's) for Water Commissioners on diversion data and annual record submittal.
- (j) Upgrade structure data base to complement tabulation.
- (k) Organize and implement program for hydrographic data collection for Division.
- (l) Utilize accounting system to monitor expenditures.

Projected Long-Range Work Items:

- (a) Create and assemble a Water Commissioner handbook.
- (b) Implement regular training sessions for Water Commissioners.
- (c) Spend time in field with Water Commissioners.
- (d) PACE program.
- (e) In Colorado River Accounting, continue to (1) phase in hydrographic support and (2) utilize real time diversion data.
- (f) Continue upgrading each Water District's tabulations.
- (g) Get reservoir staff gages installed and capacity tables to match.

3. Goals and Objectives

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

- (a) Establish the capability to administer a total river call prompted by either in-state priorities or an interstate water compact requirement.
- (b) Uphold all other statutory duties of the State Engineer's office.
- (c) Provide the public with service regarding our administration and their 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. 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 have our needs provided for. We can begin to reach these objectives as more of the work projects are completed.

TRANSMOUNTAIN DIVERSIONS SUMMARY - IMPORTS
WATER DIVISION V

WD	NAME	STREAM	PREVIOUS YR		YR OF RECORD		WD	SOURCE
			AF	DAYS	AF	DAYS		
			1986		887			
38	Roaring Fork Bypass Flow	Roaring Fork River	* 1,191	273	* 1,958	283	11	Turquoise River
45	Divide-Highline Feeder	Divide Creek	1,003	114	1,360	64	40	Clear Fork Muddy Creek
50	Sarvis Creek Ditch	Red Dirt Creek	962	83	2,210	169	58	Servicee Creek
53	Dome Creek Ditch	Egeria Creek	543	75	414	57	58	Bear River
53	Stillwater Ditch	Egeria Creek	2,924	100	1,040	118	58	Bear River
72	Redlands Power Canal	Colorado River	511,715	355	549,957	357	42	Gunnison River
72	Grand Junction Municipal	Colorado River	7,096	365	6,686	365	42	Kannah Creek
72	Fruita Water Works	Colorado River	396	365	0	0	73	Little Dolores River
TOTAL DIVISION 5 IMPORTS:			525,830		563,625			
* Twin Lakes Bypass Exchanged for Fry-Ark Water								

TRANSMOUNTAIN DIVERSIONS SUMMARY - EXPORTS
WATER DIVISION V

WD	NAME	STREAM	PREVIOUS YR		YR OF RECORD		WD	STREAM
			AF	DAYS	AF	DAYS		
			1986		87			
7	Vidler Tunnel	Clear Creek	493	51	421	122	36	Snake River
7	Straight Creek Tunnel	Clear Creek	354	365	N/A	N/A	36	Straight Creek
23	Boreas Pass Ditch	Tarryall Creek	72	39	0	0	36	Blue River
23	Hoosier Tunnel	M.F. So. Platte River	12,999	164	8,450	149	36	Blue River
80	Roberts Tunnel	N.F. So. Platte River	954	3	14,640	123	36	Blue River
11	Homestake Tunnel	South Platte via Arkansas River	16,929	89	20,420	143	37	Homestake Creek
11	Wurtz Ditch	Tennessee Creek	3,857	116	2,200	103	37	S.F. Eagle River
11	Ewing Ditch	Tennessee Creek	1,073	78	813	103	37	S.F. Eagle River
11	Columbine Ditch	Tennessee Creek	1,916	110	1,210	100	37	S.F. Eagle River
11	Twin Lakes Tunnel	Lake Creek	50,600	267	36,130	365	38	Roaring Fork River
11	Busk-Ivanhoe Tunnel	Lake Fork Creek	4,940	199	3,398	166	38	Fryingpan River
11	Boustead Tunnel	Lake Fork Creek	31,750	88	3,328	52	38	Fryingpan River
SUBTOTAL (Pg. 1):			125,937		91,010			

TRANSMOUNTAIN DIVERSIONS SUMMARY - EXPORTS
WATER DIVISION V

WD	NAME	STREAM	RECIPIENT				WD	SOURCE
			1986		1987			
			PREVIOUS YR	YR OF RECORD	AF	DAYS		
3	Grand River Ditch	Cache La Poudre Rivr	24,481	124	17,246	145	51	N.F. Colorado River
3	Eureka Ditch	Cache La Poudre Rivr	0	0	0	0	51	N.F. Colorado River
4	Alva B. Adams Tunnel	Big Thompson River	275,230	365	250,219	333	51	N.F. Colorado River
6	Moffat Tunnel	Boulder Creek	78,930	365	48,878	365	51	Fraser River
7	Berthoud Pass Ditch	Clear Creek	911	91	271	55	51	Fraser River
6	August P. Gimlick Tunnel	Boulder via Fraser River	Inclusive in	In	Moffat Tunnel		51	Williams Fork
6	Vasquez Pipeline	Boulder via Fraser River	Inclusive in	In	Moffat Tunnel		51	Williams Fork
40	Leon Tunnel Canal	Surface Creek	1,021	73	2,523	73	72	Leon Creek
SUBTOTAL (Pg. 2):			380,573		319,137			
SUBTOTAL PAGE 1:			125,937		91,010			
SUBTOTAL PAGE 2:			380,573		319,137			
TOTAL DIVISION 5 EXPORTS:			506,510		410,147			

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS YR				YR OF RECORD				
			Beg. YR	%	Beg. Irr. Season	%	Beg. YR	%	Beg. Irr. Season	%	End YR
38	Alicia Lake Res	Lime Creek	673		688		673		688		673
	Beaver Lake	Crystal Lake	N.I.A.		N.I.A.		73		76		73
	Consolidated Res	West Coulter Creek	300		970		300		1,141		0
	Crawford Dam No. 1	Blue Creek	160		163		160		163		160
	Crawford Dam No. 2	Blue Creek	56		57		56		57		56
	Crooked Creek Res	Elk Creek	40		40		40		40		40
	Elk Creek Res No. 2	Elk Creek	10		10		10		10		10
	Hopkins Res	Landis Creek	800		816		800		0		0
	Ivanhoe Res	Fryingpan River	20		1,200		20		1,200		20
	Jacobson Lakes & Ponds	Roaring Fork River	225		250		225		275		225
	Lake Ann Ditch Res	Sopris Creek	20		N.I.A.		20		215		10
	McNulty Res	Shippie Run Creek	0		100		0		50		0
	Polaris Res	Coulter Creek	0		0		0		N.I.A.		N.I.A.
	Ralston No. 1 Res	West Coulter Creek	0		0		0		0		0
	Ruedi Res	Fryingpan River	93,641		100,884		97,580		101,398		90,874
	Spring Park Res	Blue Creek	508		4,340		508		4,350		0
	Tagert Lake	Roaring Fork River	N.I.A.		N.I.A.		30		31		30
	Thomas Res	Thomas Creek	N.I.A.		N.I.A.		160		165		160
	Upper Chapman Res	Fryingpan River	2,448		2,498		2,448		2,525		2,450
		SUBTOTAL (Pg. 1):	98,901		113,076		103,103		112,384		94,781

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS YR				YR OF RECORD				
			Beg. YR		Beg. Irr. Season		Beg. YR		Beg. Irr. Season		End YR
			AF	%	AF	%	AF	%	AF	%	
51	Bull Run Res	Williams Fork River	300		650		100		250		200
	Cottonwood Res	Colorado River	40		80		40		35		10
	East Branch Res	Williams Fork River	100		250		125		2,000		1,250
	F W Linke No. 2 Res	Fraser River	6		0		0		40		5
	Hankinson Res	Fraser River	116		116		116		116		116
	Jack Orr	Colorado River	245		245		245		245		245
	Lake Granby	Colorado River	480,011		535,777		517,835		482,295		428,765
	Langhollen Res	Battle Creek	17		65		22		50		20
	Meadow Creek Res	Fraser River	553		5,477		874		4,148		206
	Moore Res	Williams Fork River	90		220		80		220		20
	Musgrave Res	Corral Creek	200		320		75		300		50
	Scholl Res	Corral Creek	0		300		0		250		20
	Shadow Mountain Res	Colorado River	17,836		17,959		17,959		17,761		17,653
	Sun Valley Res	N Fork of Colorado	72.5		72.5		72.5		72.5		72.5
	Sylvan Res	Little Muddy Creek	250		1,134		200		1,134		90
	Ute Creek Res	Williams Fork River	N.I.A.		N.I.A.		75		100		70
	Williams Fork Res	Williams Fork River	78,470		90,285		85,015		79,526		79,176
	Willow Creek Res	Willow Creek	8,767		9,400		9,359		9,667		7,243
	TOTAL:		587,074		662,350		632,192		598,120		535,212

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS YR				YR OF RECORD				
			Beg. Yr		Beg. Irr. Season		Beg. Yr		Beg. Irr. Season		End Yr
			AF	%	AF	%	AF	%	AF	%	
53	Clyde Res	Egeria Creek	20.0		66.0		6.0		66.4		6.4
	Crement Lake	Derby Creek	2.0		237.0		5.0		237.0		87.0
	Ed W. Harper	Egeria Creek	100.0		194.0		192.0		194.0		14.0
	Egeria Res	Egeria Creek	26.0		107.0		57.0		107.0		87.0
	Grimes Brooks Res	Red Ditch Creek	161.0		247.0		120.0		426.0		316.0
	Hadley Res	Egeria Creek	9.0		164.0		151.0		164.0		164.0
	Heart Lake Res	Deep Creek	192.0		346.0		341.0		3,255.0		3,255.0
	Hidden Springs Res	Horse Creek	51.0		53.0		52.0		N.I.A.		N.I.A.
	Jones No. 1 Res	Sheep Creek No. 2	236.0		240.0		238.0		240.0		0.0
	Jones No. 2 Res	Sheep Creek No. 2	247.0		333.0		247.0		333.0		83.0
	Kelly Res	Egeria Creek	122.0		290.0		10.0		93.0		43.0
	Luark Res	Spring Creek	1.0		90.0		10.0		90.0		0.0
	Mackinaw Lake Res	Derby Creek	N.I.A.		N.I.A.		N.I.A.		79.0		79.0
	Morris Res	Toponas Creek	317.0		325.0		25.0		324.0		30.0
	Newton Gulch Res	King Creek	19.0		227.0		27.0		120.0		0.0
	Reid Res No. 3	Egeria Creek	N.I.A.		N.I.A.		N.I.A.		93.0		93.0
	Sterners Res	Egeria Creek	1.0		68.0		18.0		100.0		30.0
	Sweetwater Res	Sweetwater Creek	990.0		1,200.0		1,190.0		1,200.0		1,200.0
	Tonier Gulch Res	Tonier Gulch	0.0		65.0		0.0		64.3		64.3
	SUBTOTAL (Pg. 1):		2,494.0		4,252.0		2,689.0		7,186.0		5,552.0

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS YR				YR OF RECORD				
			Beg. YR	%	Beg. Irr. Season	%	Beg. YR	%	Beg. Irr. Season	%	End YR
72	Big Beaver Res	Bull Creek	0.0		130.0		0.0		108.0		0.0
	Big Creek No. 1 Res	Big Creek	746.0		746.0		746.0		746.0		746.0
	Big Creek No. 3 Res	Big Creek	1,462.0		1,549.0		1,549.0		1,549.0		1,549.0
	Big Creek No. 4 Res	Big Creek	181.0		181.0		181.0		181.0		0.0
	Big Creek No. 5 Res	Big Creek	94.2		105.0		105.0		105.0		55.4
	Big Creek No. 7 Res	Big Creek	995.0		1,223.0		985.0		1,223.0		891.0
	Bull Basin No. 1 Res	Bull Creek	132.0		132.0		0.0		69.7		0.0
	Bull Basin No. 2 Res	Bull Creek	0.0		94.9		23.0		0.0		0.0
	Bull Creek No. 1 Res	Bull Creek	N.I.A.		N.I.A.		N.I.A.		83.0		0.0
	Bull Creek No. 2 Res	Bull Creek	69.8		69.8		69.8		69.8		69.8
	Bull Creek No. 3 Res	Bull Creek	0.0		59.2		0.0		0.0		0.0
	Bull Creek No. 4 Res	Bull Creek	0.0		226.0		0.0		226.0		0.0
	Bull Creek No. 5 Res	Bull Creek	0.0		236.0		214.0		315.0		0.0
	Colby Horse Park Res	Leon Creek	200.0		469.0		183.0		469.0		130.0
	Coon Creek No. 1 Res	Coon Creek	0.0		299.0		0.0		251.0		0.0
	Coon Creek No. 2 Res	Coon Creek	0.0		147.0		0.0		0.0		0.0
	Coon Creek No. 3 Res	Coon Creek	0.0		138.0		0.0		0.0		0.0
	Cottonwood No. 1 Res	Cottonwood Creek	2,102.0		652.0		1,710.0		1,765.0		1,445.0
	Cottonwood No. 2 Res	Cottonwood Creek	0.0		220.0		137.0		220.0		0.0
	SUBTOTAL (Pg. 1):		5,982.0		6,676.9		5,902.8		7,380.5		4,886.2

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR				IYR OF RECORD								
			Beg. IYR	AF	%	Beg. Irr. Season	AF	%	Beg. Irr. Season	AF	%	Beg. Irr. Season	AF	%	End IYR
72	Cottonwood No. 4 Res	Cottonwood Creek	160.0			259.0			377.0			377.0			149.0
	Cottonwood No. 5 Res	Cottonwood Creek	289.0			183.0			342.0			342.0			342.0
	Dawson Res	Big Creek	220.0			220.0			220.0			220.0			220.0
	Decamp (Fred) Res	Cottonwood Creek	16.0			38.4			38.4			38.4			38.4
	Hawxhurst Res	Hawxhurst Creek	0.0			283.0			117.0			154.0			50.0
	Jenson Res	Cottonwood Creek	0.0			225.0			225.0			225.0			225.0
	Jerry Creek No. 1 Res	Plateau Creek	N.I.A.			N.I.A.			N.I.A.			1,320.0			1,320.0
	Jerry Creek No. 2 Res	Plateau Creek	N.I.A.			N.I.A.			N.I.A.			5,500.0			5,495.0
	Kitson (T.E.) Res	Cottonwood Creek	0.0			0.0			0.0			0.0			0.0
	Leon Lake Res	Levy Creek	N.I.A.			N.I.A.			N.I.A.			2,166.0			459.0
	Lost Lake Reservoir	Bull Creek	0.0			0.0			0.0			0.0			0.0
	Mesa Creek No. 1 Res	Mesa Creek	0.0			239.0			87.3			131.0			91.0
	Mesa Creek No. 2 Res	Mesa Creek	48.4			48.4			48.4			0.0			0.0
	Mesa Creek No. 3 Res	Mesa Creek	290.0			290.0			290.0			285.0			223.0
	Mesa Creek No. 4 Res	Mesa Creek	0.0			227.0			0.0			9.1			0.0
	Mesa Creek No. 5 Res	Mesa Creek	15.8			15.8			15.8			0.0			0.0
	Monument No. 1 Res	Plateau Creek	0.0			573.0			66.0			572.0			0.0
	Monument No. 2 Res	Plateau Creek	0.0			254.0			0.0			1,020.0			0.0
	Palisade Cabin Res	Rapid Creek	163.0			61.6			166.0			1,006.0			776.0
		SUBTOTAL (Pg. 2):	1,202.2			2,917.2			1,992.9			13,365.5			9,388.4

DISTRICT TOTALS RESERVOIR STORAGE SUMMARIES LESS THAN 50 AF

(PAGE 1 OF 1)

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS YR				YR OF RECORD				
			Beg. YR	%	Beg. Irr. Season	%	Beg. YR	%	Beg. Irr. Season	%	End YR
36			109		152		56		120		49
37			0		28		0		120		120
38			312		288		265		306		279
39			19		37		37		30		25
45			73		90		77		149		103
50			65		189		45		182		93
51			98		192		32		196		52
52			124		90		59		132		102
53			264		392		180		364		212
70			0		37		0		37		0
72			0		0		0		0		0
		TOTAL:	1,064		1,495		751		1,636		1,035

D. WATER COURT ACTIVITIES - 1987 CALENDAR YEAR 1/1/87 - 12/31/87

Number of Water Court Applications Filed 398

Structures in Water Court Applications 719

- Canals and Tunnels = 5
- Conduits = 6
- Ditches = 71
- Pipelines (Pumping Stations, etc.) = 41
- Power Plants = 6
- Reservoirs = 83
- Springs and Ponds = 215
- Wells = 252
- Miscellaneous = 46

Number of Consultations with Water Referee 341

Number of Decrees Issued by Water Court 399

Abandonment List Activity

- 215 Water Rights Decreed Abandoned
- 233 Water Rights Deleted from Abandonment List
- 6 Cases Pending in Water Court re Abandonment

E. RIVER CALLS - 1987

11/24/86 - 1/5/87 Shoshone down to one generator while making repairs on other

1/5 - 3/10 Shoshone call off

3/10 - 4/17 Shoshone call on

4/17 - 7/10 Shoshone call off

- 7/10 Shoshone 1408 call on
- 7/12 Shoshone 1408 call off
- 7/16 Shoshone 1408 call on
- 7/24 Shoshone 1250 call on
- 7/28 Shoshone calls off
- 8/6 Shoshone 1408 call on
- 8/7 Shoshone 1408 call off
- 8/11 Shoshone 1408 call on
- 8/12 Shoshone 1250 call on
- 8/20 Grand Valley Canal (Cameo) call on
- 8/22 Grand Valley Canal (Cameo) call off
- 8/24 Shoshone 1408 call on
- 8/24 Shoshone 1250 call off
- 8/27 Shoshone 1250 call on
- 9/11 Grand Valley Canal (Cameo) call on
- 10/1 Grand Valley Canal (Cameo) call for 119.47 still on
- 10/1 Grand Valley Project call for 300 still on
- 10/23 Grand Valley Canal (Cameo) call off
- 10/23 Grand Valley Project call off
- 10/26 Shoshone 1250 call off
- 10/28 Shoshone 1250 call on

10/29/87 - 12/31/87 Shoshone 1250 call still on

F. OFFICE ADMINISTRATION

Public Served - 6,642
 Public Consultations - 9,282
 Water Court Appearances - 46

No. of Employees - 4 Professional
 1 Clerical
 18 FTE's

WATER DISTRICT	EMPLOYEE	PRIVATE VEH 2-WHEEL	PRIVATE VEH 4-WHEEL	STATE VEH	TOTAL MILEAGE
36 & 37	Wells, Wayne	-	-	9,376	9,376
38	Callicotte, Stephen	1,700	353	-	2,053
38	Nichols, Rebecca	8,289	1,958	-	10,247
38	Whitehead, Dwight	-	-	-	-
39	Lemon, James	1,838	4,067	-	5,905
45	Klenda, Robert	1,343	9,225	-	10,568
45	Nelson, Glen	1,229	-	-	1,229
50	Thompson, William	-	13,609	-	13,609
51	Daxton, James	16,106	-	-	16,106
52 & 53	Shelden, James	9,828	4,612	-	14,440
70	Anderson, George	6,666	-	-	6,666
72	Klocker, Marcus	-	-	7,486	7,486
72	Bieser, Robert	-	2,627	-	2,627
72	Cox, Tom	368	3,425	-	3,793
72	Hill, Clifford	360	4,530	-	4,890
72	Hittle, Ray	-	3,953	-	3,953
72	Reed, Miles	251	2,476	-	2,727
WELLS COMMISSR	Cerise, Alvin	-	-	19,060	19,060
OFFICE STAFF	Bell, Orlyn	-	-	20,440	20,440
	Martellaro, Alan	721	-	12,320	13,041
	Blair, John	1,689	-	-	1,689
	McCabe, Robert	-	-	-	-
	Hitchcock, Nancy	659	-	-	659
TOTALS:		51,047 mi	50,835 mi	68,682 mi	170,564 mi