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ANNUAL REPORT

WATER DIVISION V

I. WATER ADMINISTRATION

A. 1984 Water Year

1984 concludes the first year's operation in Water Division V under new leadership. The former Division Engineer retired 11/1/1983 and the Assistant was advanced effective 1/1/1984. Many changes have been made and are continuing to develop with time. Division personnel began to involve themselves with Water Court decision, impacting them in a positive direction for the good of all water users. This included meetings with applicants, attorneys, and court personnel, not always without tension, but increasingly effective. The Division office was made more open, friendly, and efficient. With personnel and information more available, the water-using public is provided more and better service. In general the changes seem to be progress.

1. Accomplishments

The Division staff along with a six month temporary employee and approximately four FTE's of manpower loaned from other Water Divisions completed upgrading the Water Rights tabulation for District 37, 39, 45, 50, 52, 53, and 70. Tens of thousands of line item changes or additions were made to the tabulation. It was a massive undertaking to get an adequate tabulation ready for the 1984 July printing. For most Districts even the decrees had to be assimulated, organized, bound into decree books and indexed prior to formulation of the tabulation.

In the month of May, work on the tabulation was interupted in order to put together the abandonment list. 938 Water Rights with a long term history of non-use, all pre-1969 non-use conditional rights and all rights unindated by storage reservoirs.

The upgrading of the tabulation pointed out gaping holes in the Water Commissioners old administrative lists (most of which had not been revised since the 50' or 60's). Inclusion of the new decrees has nearly doubled the size of our structure lists, for those District that have been upgraded.

A final step in the process is the water administration and record keeping or diversion data assimulation for the newly identified water rights as well as for those already known.

Our 1042 Commissioner developed a well file which will be used as the nucleus for augmentation plan administration and a ground water diversion data bank. Many contacts have been made with well owners and plant managers in anticipation of this. Some owner supplied well diversion data is included in this years records.

There were 404 Water Court Applications in 1983 and 750 in 1984. A majority of the applications have been field inspected, have had Water Referee Consultations written and have been decreed.

Other accomplishments for the year were: Collection of the Hydrographic records, necessary water administration, (very limited due to the record water year), collection of diversion data, and the required reservoir inspections.

A final very important accomplishment was the redesign and negotiated redevelopment of our office space. Utilization of it, by both us and the public, has been greatly enhanced.

2. Involvement in Water User Community

This year was the first in a new era wherein the Division is more involved with the water using community. Statistically water user contacts of all kinds are on the increase. Personnel contacts regarding water administration, augmentation plan development, well permits, dams and reservoirs, historic records and all other aspects of water use are all being handled more effectively. Aiding in this is the redesigned office space wherein the public can better utilize our services. It is also helpful to the public and us to have an accurate tabulation, a set of decree books with indexes, structure lists that include more than the earlier water rights and well permit information.

The personnel are themselves more oriented toward being helpful. They have been tutored at four Division meetings in various aspects of water administration with the idea of training them in their jobs and in their dealings with the public.

A special effort was made to help anyone concerned with the publishing of items in the tabulation and abandonment lists.

A final observation in that Division input at public meetings also seems to be more readily solicited.

3. Issues of Concern

While we accomplished a lot the past year, we still have a long way to go. There is the inability of the staff to accomplish all that needs to be done in almost any area:

50% of the needed administration is occurring.
Many diversion records are estimated rather than observed.
50% of the structures have no record at all.
Referee consultations are, for the most part, either check off boxes or one liners.
All general updating for new decrees is being handled by the office staff rather than by knowledgeable Water Commissioners.

Many physical problems are also cause for concern, such as the lack of control structures or measuring devices on many diversions. Staff gages and capacity tables are almost non-existant for reservoirs.

The tabulation is in good shape for most of the Districts but 36, 51, and 72 still need some attention. District 38 is totally inadequate and 20 to 30 of the most difficult augmentation plans are not yet tabulated.

A general river call requiring deliveries of Green Mountain water and the accounting of such is still beyond our capabilities to handle at this point. The basic decreetal information, the human resources, the data gathering network and the computer software are not yet functional to the required degree.

4. Effect of Workload Changes

Basically the emphasis in Division V was and is on streamlining all proceedures in order to get more accomplished for the same time and dollars. Water Commissioners are no longer just concerned with turning water on a few key structures but are required to submit more information on a lot more structures. We started gearing up our administrative lists and Water Commissioners knowledge of them in anticipation of attempting to administer a total river call. The taking over of Colorado River accounting procedures from the US Bureau of Reclamation will intail a great deal of extra work. With more involvement in Water Court, better decrees were achieved, that can be administered more efficiently. It took a lot of precious time however. Some low hazard reservoirs have also been inspected by Water Commissioners.

The overall effect is that each person is spending less time on traditional objectives and is spread farther and thinner. Those personnel who are adverse to change are having a difficult time of it. We have to be careful that the basics are still covered. It will be pointed out later under recommendations where that coverage has broken down and where we need help.

5. Impact of Budget

We continue to ask for enough FTE's to put Water Commissioners into each Water District, at least during periods of needed water administration. Secondly, limited supervision in the past combined with seasonal employees for the most part, severely hampered 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. I felt especially hamstrung when technological advances, obtainable for dollars, judicially chosen, could have reaped many returns.

B. 1985 Water Year

1. Operational Concerns

This year will be more of the same. Playing catch-up on the sizable backlog, continuing to take care of the present as needs dictate, and planning now for the future in water administration. The shear volume of water court applications continue to over load our system creating more demand on a seemingly fixed manpower resource and budget.

2. Projected Work Items
   a. Finish tabulation touchup for Water Districts 36, 51 & 72.
   b. Totally retabulate Water District 38.
   c. Tabulate outstanding augmentation plans.
   d. Tabulate 1984 and 1985 decrees.
   e. Complete FAPAS forms.
   f. Establish detailed Water Commissioner functions pertaining to water right applications and decrees.
   g. Further educate and train Water Commissioners.
   h. Review court cases and write up consultations including augmentation plans.
   i. Review and resolve old objections to 1974 and 1978 tabulation.
   j. Establish reservoir data base including capacity tables.
   k. Establish accounting system for Colorado River via satelite monitoring.
   l. Install telephone communications system.

m. Computerize many aspects of water administration and record keeping.
n. Identify and monitor augmentation usage.
o. Facilitate building of more control structures, measuring devices, staff gages.
p. Administer water.
q. Collect Diversion Data.
r. Identify structure location on mapping.
s. Establish irrigated acreages under structures.
t. Generate stream mile numbers.

3. Goals and Objectives

A goal is to educate existing employees with the objective of making them more effective. Another goal is to utilize existing monies as carefully as possible with the objective of maximizing efficiency. The primary goal is to take the manpower resource available within the bugetary constraints and be able to administer a total river call including dispersion of Green Mountain replacement water. A final goal is to plan for new occurrances with the objective of being able to administer the water of the State in the future.

II. Recommendations

I have detailed Division V work items above along with philosophical discussions of why, which, in a sense are my recommendations for us. The following are directed more at the overall operation keeping in mind our situation and needs in Division V.

A. Water Administration

I am especially enthusiastic over the satelite monitoring program and the computer system associated with it. It can fulfill one of the main thrusts of last years report. I quote from that report.

> "A centralized data base management system organizing stream flow data, storage data, water rights data, and diversion data, with localized input and access is necessary. All Division of Water Resources activites center around water administration necessitated by water use. If this water cannot be monitored, then all else is without basis. Therefore, when this base information is lacking, then policies, personnel changes, budgetary priorities, and even legislation, used to be directed at upgrading the sufficiency of the basis."

I sincerely hope that some education, software, and a communication system will also be implemented which will maximize the utilization of the satelite monitoring system.

I would also recommend quicker turnaround time on providing us with updated tabulations and structure lists. We are making thousands of corrections and additions but get lost between what we have done and what still needs correcting. We end up working months and months from hand written sheets assuming that the attempted changes have been made. The difficulties in that are many and at times we simply bog down and cannot function. This wastes manpower resources, creates additional backlogs and is plainly undesirable. Once we are caught up and working only the current years inclusions, this should not be such a problem.

Division V personnel are now more responsive to gaining knowledge and improving their output as evidenced by their participation in the Water Commissioner meetings. Denver organization of educational programs such as the dams one last year could be very effective in standardizing and maximizing output.

From the standpoint of usage volumes, we still spend a disproportionate amount of our time and energy on groundwater considerations. I am not criticizing this or recommending a change but will point out that the situation exists. I would recommend that a study be made depicting the present and future impacts of groundwater withdrawal on the western slope drainages.

B Personnel

We still have a backlog of work with the tabulation and need to continue utilizing temporary FTE's to expedite elimination of that problem. The backlog appeared to require 6 FTE's in addition to the regular staff two years ago. We have used six months each of the last two years, robbed Peter to pay Paul and now can clean up the tabulation with 2 FTE's. We will work on paying Peter back next year but need at least one temporary FTE this year.

We need two FTE's for new full time Water Commissioner positions. We have two Water Districts in desperate trouble administratively. The Blue River (Water District 36) with Green Mountain, Dillion, Breckenridge and a dozen plus transmountain diversions does not have a Water Commissioner. Historically the Water Commissioner for the Eagle River took care of both. It seems like half of the Augmentation Plans for the State are in these areas and the one Water Commissioner is not enough. The rest of the water rights being decreed are surely in the Roaring Fork Valley (Water District 38) where we have one part-time Water Commissioner. The total volume of decrees, administration duties, and augmentation plan activity definitely warrents another FTE for this Water District.

We need one FTE full time Engineer Tech to handle the field work and associated office duties concerning the Colorado River Accounting process.

We also need one FTE to add to existing part-time Water Commissioner positions in order to bring them to full time status. The work load has shifted from strictly an irrigation season of twenty years ago to one where most of the augmentation water is being run in the winter season. Court applications review, book work, reservoir operation, and most other new duty items are annual in nature.

C. Budget

In the area of Capital Expenditure we need the following:

1 - Phone Communication System (7 phones, 3 lines)
2 - Office Desks
2 - Side Files
2 - Book Cases
2 - Desk Chairs
1 - 4 x 10 Conference Table
4 - 4 Drawer Legal File Cabinets
1 - Computer Station
1 - Printer Stand

Our operating fund has historically been a significant curtailment upon our efficiency. We need the supplies, tools and communication with which to work. I have often heard the above statements expressed but did not find it to be true last year. I will take a wait and see attitude for this year knowing that we will need a lot of specialized computer programming and data entry needs fulfilled if the PC's are going to benefit us that greatly.

The travel budget appears to be adequate but once again we have had back to back years of record flows and were concentrating on the tabulation back log. Future demands for travel are bound to be greater. Particularly if the desperately needed FTE's are forthcoming.

D. Legislation

One problem that needs to be addressed is the physical identification of structures. Historically in remote areas with unsurveyed sections correct legal descriptions were hard to come by and many misidentifications were made. The problem has degenerated in the present to many, many complex augmentation plans that have a multiplicity of water rights transferred to or more commonly establishing alternate points at, many overlaping locations. We cannot possible, let alone reasonably, determine what water is being diverted at what structures, nor can the owners or users give you this information. The owners, Engineering Consultants, and Attorneys look at you blankly when asked for the same information and say that it is an administrative problem.

I feel that reviewing the plans and decrees help as does selected objections and court appearances. A proposed legislative solution would be to require monumentation of all points of diversion with all inclusive information in regards to divertable amounts provided at each location prior to the decree being finilized. In the case of conditional proposals and at non-developed alternate points there needs to be some mechanism for abandonment that will purge them from consideration if not acted on.

A second suggestion for legislation would be to devise a process to pass a proposed decree back to the referee for review prior to signing by the Water Judge under 37-92-304(3). What occurs is that an application has opposition, is re-referred back to the Judge by the Referee. The applicant cuts a deal, proposes a decree and gets one without review by the Referee or the Division Engineer under his consultation with the Referee in 37-92-302(4). A written recommendation directly to the court in 37-52-302(4) is generally several years too premature to be helpful, particularly without the proposed ruling to look at.

TRANSMOUNTAIN DIVERSIONS SUMMARY - INFLOWS
WATER DIVISION V

RECIPIENT			1984				SOURCE	
			PREVIOUS IYR		IYR OF RECORD			
WD	NAME	STREAM	AF	DAYS	AF	DAYS	WD	STREAM
38	Roaring Fork Bypass Flow	Roaring Fork River	3,124	11	* 1,880		11	Turquoise Reservoir
45	Divide-Highline Feeder	Divide Creek	1,065	47	1,144	47	40	Clear Fork Muddy Creek
50	Sarvis Creek Ditch	Red Dirt Creek	Est 800	67	Est 880		58	Service Creek
53	Dome Creek Ditch	Egeria Creek	442	74	Est 440		58	Bear River
53	Stillwater Ditch	Egeria Creek	3,035	141	Est 3,030		58	Bear River
72	Redlands Power Canal	Colorado River	EST Est 375,000	270	479,387	337	42	Gunnison River
72	Grand Junction Municipal	Colorado River	Est 10,700	365	8,744	366	42	Gunnison River
72	Fruita Water Works	Colorado River	Unknown	-	412	366	73	Little Dolores River
	DIVISION V TOTALS		394,246		495,917			

*Delivered by Exchange with Division 2

[illegible] - EXPORT
WATER DIVISION V

RECIPIENT							SOURCE	
			PREVIOUS IYR		IYR OF RECORD			
WD	NAME	STREAM	AF	DAYS	AF	DAYS	WD	STREAM
7	Vidler Tunnel	Clear Creek	475	53	752		36	Snake River
80	Roberts Tunnel	N.F.S. Platte River	20,780	46	1,204	55	36	Blue River
23	Boreas Pass Ditch	Tarryall Creek	0	0	0	0	36	Blue River
23	Hoosier Tunnel	M.F. S. Platte River	6,180	112	8000 EST		36	Blue River
11	Homestake Tunnel	S. Platte via Arkansas River	22,751	95	27,740	159	37	Homestake Creek
11	Wurtz Ditch	Tennessee Creek	4,681	145	5,730	169	37	S.F. Eagle River
11	Ewing Ditch	Tennessee Creek	1,994	152	2,700	132	37	S.F. Eagle River
11	Columbine Ditch	Tennessee Creek	2,609	129	3,190	160	37	E.F. Eagle River
11	Twin Lakes Tunnel	Lake Creek	59,442	365	8,760	365	38	Roaring Fork River
11	Busk-Ivanhoe Tunnel	Lake Fork Creek	9,374	173	9,760	208	38	Fryingpan River
11	Boustead Tunnel	Lake Fork Creek	87,510	144	97,315	171	38	Fryingpan River

TRANSMOUNTAIN DIVERSIONS SUMMARY - EXPORT
WATER DIVISION V

RECIPIENT							SOURCE	
			PREVIOUS 1YR		1YR OF RECORD			
WD	NAME	STREAM	AF	DAYS	AF	DAYS	WD	STREAM
3	Grand River Ditch	Cache La Poudre River	12,665	75	17,620	111	51	N.F. Colorado River
3	Eureka Ditch	Big Thompson River	0	0	36	105	51	N.F. Colorado River
4	Alva B. Adams Tunnel	Big Thompson River	159,969	365	195,500	322	51	N.F. Colorado River
6	Moffat Tunnel	Boulder Creek	37,294	318	57,394	345	51	Frazier River
7	Berthoud Pass Ditch	Clear Creek	708	132	760 EST.		51	Frazier River
6	August P. Gimlick Tunnel	Boulder Via Frazer R.	Included in Moffat Tunnel			*	51	Williams Fork
6	Vasquez Pipeline	Boulder via Fraizer R.	Included in Moffat Tunnel			*	51	Williams Fork
4	Leon Tunnel Canal	Surface Creek	1,849	98	1,923	106	72	[illegible] Creek
	Total Division 5 Exports		428,281		438,384			

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR				IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
36	Black Lake	Black Creek	1,997		1,997		1,997		1,997		1,997
36	Cataract Lake	Cataract Creek	1,653		1,653		1,653		1,653		1,653
36	Green Mountain Reservoir	Blue River	140,494		57,671		137,027		40,668		144,173
36	Hogland Reservoir No. 1	Elliot Creek	461		800		200		900		400
36	Lost Lake	Brush Creek	125		125		125		125		125
36	Reynolds Reservoir	Keystone Creek	157		157		157		157		157
36	Upper Black Creek Res.	Black Creek	140		140		140		140		140
36	Upper Blue Lake Reservoir	Blue River	0		2,140		0		2,140		0
36	Way Reservoir	Springs Creek	12		72		40		94		42
36	Buffehr Enlarged Res.	Ten Mile Creek	106.7		106.7		106.7		106.7		106.7
36	Goose Pasture Tarn	Blue River	912		912		912		912		912
36	Dillon Reservoir BRDP	Blue River	255,356		243,540		241,391		240,993		231,410
36	Lower Black Creek Res.	Black Creek	No Information Available				430		522		450
			401,414		309,314		384,179		290,408		381,566

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
37	Black Lake No. 2	Gore Creek	90		90		90		90		90
37	Chalk Mountain Reservoir	Eagle River	204.1		204.1		204.1		204.1		204.1
37	Lower G G Reservoir	Eby Creek	0		69.6		0		69.6		0
37	L.E.D.E. Reservoir	Gypsum Creek	0		400		30		175		45
37	O.Z. Reservoir	Brush Creek	452		452		450		450		450
37	G G Reservoir	Eby Creek	0		178		0		180 EST		0
37	Welsch Reservoir	Alkali Creek	0		225		35		308		50
37	Robinson Reservoir	Eagle River	3,136		3,136		3,136		3,136		3,136
37	Homestake Reservoir	Homestake Creek	37,093		1,183		43,333		39,828		26,214
37	Noecker Reservoir	Eby Creek	No Information Available				0				0
			40,975		5,938		47,278		44,600		30,189

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
38	Alicia Lake Reservoir	Lime Creek	673		673		673		673		673
38	Ruedi Reservoir	Fryingpan River	97,231		76,007		93,742		87,090		97,077
38	Crooked Creek Reservoir	Lime Creek	80		80		80		80		35
38	Consolidated D Reservoir	W Coulter Creek	274		970		502		970		300
38	Elk Creek Reservoir No. 2	Elk Creek	100		100		100		100		100
38	Hopkins Reservoir	Landis Creek	150		1,063		0		900		200
38	Hughes Reservoir	Three Mile Creek	0		1,500		0		850		0
38	Ivanhoe Reservoir	Fryingpan River	1,200		1,200		1,200		1,200		1,200
38	McNulty Reservoir	Cattle Creek	0		100		0		100		0
38	Ralston No. 2 Reservoir	W Coulter Creek	0		80		0		80		0
38	Spring Park Reservoir	Cattle Creek	300		4,340		508		4,340		508
38	Tagert Lake	Roaring Fork River	60		60		60		60		60
38	Thomas Reservoir	Thomas Creek	80		80		80		80		80
38	Van Clevefisher Res.	Mesa Creek	0		400		0		400		0
38	Van Springs Reservoir # 2	Coulter Creek	100		280		120		270		120
38	Warren Lakes	Warren Creek	1,500		1,500		1,50		1,500		1,500
38	Wildcat Reservoir	Snowmass Creek	1,140		1,140		1,140		1,140		1,140
38	Woods Lake Reservoir	Lime Creek	279		279		279		279		279
38	Lake Ann D Reservoir	Sopris Creek	No Information Available				0		1,060		0
			103,167		89,852		99,984		101,172		103,272

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
39	Rifle Gap Reservoir	Rifle Creek	3,776		12,897		9,107		12,676		11,117
39	Harris Reservoir	Rifle Creek	100		200		100		200		100
39	Park Reservoir	Elk Creek	42		163		81		163		92
39	Grass Valley Reservoir	Rifle Creek	4,018		5,600		1,480		5,480		3,600
			7,936		18,860		10,768		18,519		14,909

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
45	Porter Reservoir	Three Mile Creek	0		230		110		230		115

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
50	Antelope Reservoir	Colorado River	41.5		320		20		270		100
50	Hinman Reservoir	Muddy Creek	458		325		200		611		450
50	Lake Agnes	Muddy Creek	432		432		432		432		432
50	Matheson Reservoir	Troublesome Creek	804		1,073		1,000		1,073		1,000
50	McElroy Reservoir	Pass Creek	0		240		0		240		0.5
50	McMahon Reservoir #2	Red Dirt Creek	750		2,850		1,000		3,500		1,500
50	Parsons Reservoir	Muddy Creek	20		360		40		107		70
50	Whiteley Peak Reservoir	Muddy Creek	560		773		400		733		425
50	Woods Reservoir	Muddy Creek	8		41		10		41		10
50	Binco Reservoir	Troublesome Creek	35		278		100		516		75
50	Milk Creek Reservoir	Milk Creek	10		50		60		105		65
50	Albert Reservoir	Albert Creek	No Information Available				0		125		0
50	Martin Reservoir	Muddy Creek	No Information Available				70		170		80
50	Basin Reservoir	Muddy Creek	No Information Available				0		180		0
			3,118.5		6,742		3,332		8,103		4,217.5

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
51	F.W. Linke No. 2 Res.	Frazer River	0		60		0		61		61
51	Hankinson Reservoir	Frazer River	80		0		0		116		0
51	Lake Granby	Colorado River	337,969		197,969		516,909		538,963		530,869
51	Lancholen Reservoir	Battle Creek	0		60		20		65		20
51	Meadow Creek Reservoir	Frazer River	313		4,800		1,029		5,653		2,426
51	Musgrave Reservoir	Corral Creek	20		810		178		840		300
51	Scholl Reservoir	Corral Creek	0		80		95		256		75
51	Shadow Mountain Res.	Colorado River	18,213		18,213		18,075		18,296		17,700
51	Williams Fork Reservoir	Williams Fork River	63,619		29,619		79,763		36,417		84,098
51	Willow Creek Reservoir	Willow Creek	9,335		3,835		9,723		10,596		10,298
51	Cottonwood Reservoir	Colorado River	26		65		0		86		86
51	Never Summer Lake	Colorado River	130		130		No Information Available				
51	Sylvan Reservoir	Little Muddy Creek	No Information Available				75		560		100
			429,705		244,681		625,867		611,909		646,233

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
53	Clyde Reservoir	Egeria Creek	50		66.5		36.5		66.5		36.5
53	Cresent Lake	Derby Creek	0		230		0		230		0
53	Egeria Reservoir	Egeria Creek	0		200		57		227		167
53	Tonier Gulch Reservoir	Tonier Gulch	0		64		0		64		0
53	Toponas Rock No. 2 Res.	Toponas Creek	0		88		0		80		0
53	Wohler Reservoir		No Information Available				60		85		65
53	Sterner Reservoir		No Information Available				28		176		136
53	Grimes Brooks Reservoir	Red Dirt Creek	50		200		140		340		280
53	Kelly Reservoir	Egeria Creek	0		132		52		192		112
53	Luark Reservoir	Spring Creek	0		100		0		92		0
53	Newton Gulch Reservoir	King Creek	0		240		0		240		0
53	Ed W. Harper	Egeria Creek	200		500		200		500		500
53	Hadley No. 2 Reservoir	Egeria Creek	0		178		178		178		178
53	Morris Reservoir	Toponas Creek	0		300		0		0		0
			300		2,378.5		751.5		2,470.5		1,474,5

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
72	Big Creek Reservoir No.3	Big Creek	815.9		1,721.8		1549.35		910.34		1,775.64
72	Big Creek Reservoir No. 4	Big Creek	No information Available				108.93		103.35		180.93
72	Fred McCamp Reservoir	Cottonwood Creek	No information Available				38.41		44		73.35
72	Cottonwood Lakes Res. #1	Cottonwood Creek	No information Available				1860.94		517.63		2,224.26
72	Cottonwood Lake Res. #2	Cottonwood Creek	No information Available				138.44		0		136.33
72	Big Creek Res. No. 7	Big Creek	No information Available				1069.89		258.27		319.29
72	Big Creek Reservoir #5	Big Creek	No information Available				0		94.16		175.52
72	Parker Basin Res. No. 3	Cottonwood Creek	No information Available				56.51		0.27		57.49
72	T. E. Kitson Reservoir	Cottonwood Creek	No information Available				0		136.96		136.96
72	Dawson Reservoir	Big Creek	No information Available				220.0		220.0		220.0
72	Big Creek Reservoir No.1	Big Creek	No information Available				745.8		745.8		745.8
72	Coon Creek Reservoir No.1	Coon Creek	292.64		518		0		769		0
72	Coon Creek Reservoir #2	Coon Creek	9.62		185		0		225		0
72	Coon Creek Reservoir #3	Coon Creek	0		112		0		66.4		0
72	Mesa Creek Reservoir #1	Mesa Creek	0		82.41		82.5		238.88		0
72	Mesa Creek Reservoir #2	Mesa Creek	No information Available				48.8		48.8		48.8
72	Mesa Creek Reservoir #3	Mesa Creek	0		290		0		290		0
72	Mesa Creek Reservoir #4	Mesa Creek	227.72		366.41		0		356.54		0
72	Mesa Creek Reservoir #5	Mesa Creek	No information Available				15.75		15.75		15.75
		SUB-TOTALS	1,345.93		3,275.62		6007.32		5,041.14		6,110.12

RESERVOIR STORAGE SUMMARIES GREATER THAN 50 AF

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR Beg. IYR AF	%	Beg.Irr.Season AF	%	1984 IYR OF RECORD Beg. IYR AF	%	Beg.Irr.Season AF	%	End IYR AF
72	Bull Creek Reservoir #1	Bull Creek	0		83.5		83.15		83.15		83.15
72	Bull Creek Reservoir #2	Bull Creek	0		69.83		69.83		69.83		69.83
72	Bull Creek Reservoir #3	Bull Creek	0		59.2		0		59.2		0
72	Bull Creek Reservoir #4	Bull Creek	78.74		312.69		0		312.69		0
72	Bull Creek Reservoir #5	Bull Creek	0		236.4		0		236.4		0
72	Lost Lake Reservoir	Bull Creek	No information Available				0		0		0
72	Big Beaver Reservoir	Bull Creek	0		130.0		0		130.0		0
72	Bull Basin No. 1 Res.	Bull Creek	0		132.2		0		132.2		132.2
72	Bull Basin No. 2 Res.	Bull Creek	0		57.0		0		94.9		0
72	Twin Basin Reservoir	Bull Creek	0		114.0		114.0		114.0		114.0
72	Stubb McKinny Clark Res	Bull Creek	No information Available				230.5		230.5		230.5
72	Parker Basin Res. No. 1	Cottonwood Creek	No information Availabel				271.62		259.82		359.27
72	Parker Basin Res. No. 2	Cottonwood Creek	No information Available				111.03		205.11		125.12
72	Colby Horse Park Res.	Lean Creek	122.31		500.67		No information Available				
72	Monument Reservoir No. 1	Plateau Creek	0		545.72		No information Available				
72	Monument Reservoir No. 2	Plateau Creek	o		111.81		No information Available				
72	Vega Reservoir	Plateau Creek	18,373.0		32,000.0		18,148.0		33,848		17,019
72	Hawx Hurst Reservoir	Hawshurst Creek	0		130		No information Available				
		SUB-TOTAL	18,574.05		34,456.02		19,028.13		35,775.8		18,133.07
	PREVIOUS PAGE	SUB-TOTALS	1,345.93		3,275.62		6,007.32		5,041.14		6,110.12
		TOTAL	19,920.0		37,732.0		25,035.0		40,817.0		24,243.0

RESERVOIR STORAGE SUMMARIES

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
	DISTRICT TOTALS, RESERVOIRS LESS THAN 50 AF										
36			95		113		107		154.6		119
37			0		28		0		22		0
38			236		236		231		235		231
39			0		0		0		0		0
45			2		16		2		16		0
50			62		228		23		178		58
51			233		503		4		300		189
52			0		88		0		26		0
53			0		137		0		105		0
70			0		0		0		37		0
72			0		0		0		0		0
	• DIVISION TOTALS		628		1,349		367		1,074		605

RESERVOIR STORAGE SUMMARIES

WD	RESERVOIR NAME	STREAM SOURCE	1983 PREVIOUS IYR				1984 IYR OF RECORD				
			Beg. IYR		Beg.Irr.Season		Beg. IYR		Beg.Irr.Season		End IYR
			AF	%	AF	%	AF	%	AF	%	AF
	DISTRICT TOTALS, RESERVOIRS GREATER THAN 50 AF										
36			401,414		309,314		384,179		290,408		381,566
37			40,975		5,938		47,278		44,600		30,189
38			103,167		89,852		99,984		101,172		103,272
39			7,936		18,860		10,768		18,519		14,909
45			0		230		110		230		115
50			3,118		6,742		3,332		8,103		4,218
51			429,705		255,681		625,867		611,909		646033
52			0		0		0		0		0
53			300		2,378		752		2,470		1,474
70			0		0		0		0		0
72			19,920		37,732		25,035		40,817		24,243
	DIVISION TOTAL RESERVOIRS GREATER THAN 50 AF		1,006,535		726,727		1,197,305		1,118,228		1,206,019
	DIVISION TOTAL RESERVOIRS LESS THAN 50 AF		628		1,349		367		1,074		605
	DIVISION V TOTAL STORAGE		1,007,200		728,100		1,197,672		1,119,302		1,206,624

WATER DIVERSION SUMMARIES BY DISTRICT
DIVISION V

WD	TOTAL DITCHES REPORTING				ESTIMATED NUMBER OF DITCH VISITATIONS	TOTAL DIVERSION -AF-	TOTAL DIVERSIONS TO STORAGE -AF-	IRRIGATION		
	ACTIVE		INACTIVE					TOTAL DIVERSIONS -AF-	NUMBER OF ACRES IRRIGATED	AVERAGE AF PER ACRE
	WA	NWA	NU	NR						
36	356	0	245	291	940	909,077	139,648	117,634	15,295	7.69
37	454	0	132	415	1,041	220,393	5,058	167,452	20,890	8.02
38	616	6	216	66	597	809,063	63,848	513,508	58,432	8.79
39	160	0	151	363	526	186,646	8,464	166,895	23,275	7.17
45	190	0	127	488	1,226	143,742	134	120,908	31,422	3.85
50	193	0	87	29	668	76,860	6,004	70,523	22,573	3.12
51	292	0	314	540	659	791,664	221,280	148,528	29,662	5.01
52	114	0	49	90	475	59,292	26	58,546	8,305	7.05
53	244	0	158	267	1,474	865,200	1,784	126,267	26,975	4.68
70	58	0	72	124	733	51,906	37	49,462	9,185	5.39
72	269	0	257	621	3,282	1,504,213	14,204	953,059	103,656	9.19
	2946	6	1808	3294	11,621	5,618,056	460,487	2,492,787	349,670	7.13

WATER DIVERSION SUMMARIES BY DISTRICT IN ACRE FEET (Continued)

WD	TRANS-MOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	STOCK	MUNICIPAL	DOMESTIC	INDUSTRIAL	RECREATIONAL	FISHERY	COMMERCIAL
36	13,088			2,996	1,463	634,243			
37	39,360			6,559	1,964				
38	115,835	531		8,397	2,297		53,757	50,890	
39			216	1,424	8,922			725	
45			17,144	1,391	1,088			2,838	
50			30		13			290	
51	271,643			3,491		146,722			
52		720							
53				4,454	4	732,691			
70			2,407						
72		2,116		18,142		516,689			3
	439,926	3,367	19,797	46,854	15,751	2,030,345	53,757	54,743	3

OFFICE ADMINISTRATION

WATER DIVISION V - 1984

Public Served	Public Consultation	Court Appearances	Number of Employees
3992	200	23	4 Professional & Tecl 1 Clerical 19 FTE & Part-Time

District	Employee	Total Mileage	Private	State	Total Distri
36 & 37	Wayne Wells	8668		8668	8,668
38	Stephen Callicotte	6148	6148		6,148
39	James Lemon	5237	5237		5,237
45	Arlen Jackson	11456	11456	Total Priv.	16.463
45	Bob Gregory	2956	2956	Total State	0
45	Glen Nelson	982	982	Total for 45	16,463
45	Richard Yeoman	1069	1069		
50	William Thompson	13222	13222		13,222
51	James Daxton	7354	7354		7,354
52 & 53	Jim Shelden	13916	13916		13,916
70	George Anderson	4798	4798		4,798
72	Marcus Klocker	7567		7567	
72	Robert Bieser	3122	3122	Total Priv.	17,061
72	Robert Klenda	2194	2194	Total State	7,567
72	Clifford Hill	4647	4647	Total for 72	24,628
72	Ray Hittle	4319	4319		
72	Miles Reed	2779	2779		
Office	Orlyn Bell	15778	1190	15659	
Well Ins	Alvin Cerise	11994	394	11600	
Eng.	John Blair	1620	1620		
Secretary	Mary Bacino	360	360		

WATER COURT ACTIVITIES

WATER DIVISION V

Number of Applications for Decrees 450

Number of Consultations with Referee - 516

Number of Decrees Issued by Water Court - 476

Type of Decree

- Surface Water - 113
- Ground Water - 187
- Reservoir - 87
- Combination - 47

Action Of Decree

- Transfer - 2
- Alternate Point - 10
- Change of Use - 10
- Plan for Augmentation - 37
- Absolute - 83
- Conditional - 99
- Combination (Absolute/Conditional) - 17
- Due Diligence - 132
- Conditional to Absolute - 27
- Combination (Due Diligence/Make Absolute) - 14
- Other - 11

Number of Structures in Decrees

Types of Structures

- Ditches - 91
- Reservoir - 202
- Wells - 322
- Springs - 228
- Pipelines (Pumping Stations, Etc) - 85
- Canals & Tunnels - 11
- Conduits - 6
- Miscellaneous -13