

ANNUAL REPORT

1983 - Water Year

Irrigation Division No. 4



RICHARD D. LAMM
Governor



J. A. DANIELSON
State Engineer

DIVISION OF WATER RESOURCES

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January 17, 1984


Mr. Jeris A. Danielson, P.E.
State Engineer
Division of Water Resources
1313 Sherman Street, Room 818
Denver, CO 80203

Dear Mr. Danielson:

On behalf of the office and field personnel of Irrigation Division IV, I submit herewith the Annual Report for 1983.

Special attention is directed to the Division IV staff who have attended to the various responsibilities of water administration with a high degree of professionalism.

Respectfully submitted,


Ralph V. Kelling
Division Engineer

RVK:jk
Enc.

ANNUAL WATER DIVISION ENGINEER'S REPORT

Irrigation Division Four

I. WATER ADMINISTRATION

A. Water Year 1983

1. Accomplishments for the Year: Division Four began a new era with the Water Court due to the appointment of a new Referee. Results already indicated from this change are much improved--communications, cooperation, better field investigations, improved water right applications, improved water rulings and decrees. The Water Referee relies on the personal knowledge of the division Water Commissioners, and considers all of their concerns and recommendations in Referee Rulings. The mutual respect of the Division Engineer's office and the Water Court has improved many fold during the past year. This change in the Water Court has had significant affect on the division water officials in many aspects of their responsibilities, i.e., thorough field investigations, greater interest in new and old water rights, critical review of applications and rulings and decrees. The water officials are becoming more knowledgeable of their water districts and show enthusiasm toward their various responsibilities.

Division Four continues to better utilize the total personnel of the division. This is through having adjacent district commissioners acquainted with inter-district problems, constant discussion and direction between the division office, the higher level commissioners and the part-time water officials.

Division Four field personnel and Division Engineers have continued to develop communication between many of the reservoir owners, and it is believed that there were less serious reservoir incidents, failures, etc., due to this communication during an unusually wet spring and heavy winter snow accumulation.

Division Four continues to improve the quality of diversion records throughout the division, and it is considered that the data presented for this year's diversion records will be of higher quality than last year and considerable improvement of years past.

2. Community Water Users Involvement: Division Four continues to be the prime source for diversion data and decree information. Water users groups, conservancy districts, large canal companies, United States Government, land developers, attorneys and consulting engineers are regular visitors to the division office. Their requests concern all aspects of water administration and water use throughout the division. Division staff members are continually involved in "water meetings" with various entities concerning administration, dam safety, water diversion control structures, and various water conservancy district activities.

3. Policies, Statutes and Administration Practices: Concern is expressed regarding the recent legislation which removes many small dams from jurisdictional authority regarding plans and specifications. Several recently constructed structures appear to be marginally safe at best.

The changed relationship with the Water Court has required that all personnel spend more time, mileage, and effort to address all aspects of applications for water rights. This additional workload impacts mileage, budget, and personnel time.

The position of the United States Bureau of Reclamation relative to the Curecanti Reservoirs and the subgation of a portion of their storage right to upstream development will have significant impact on existing water well permit policies and administrative practices throughout the Upper Gunnison Basin. This matter is still

under review and the outcome is not certain. At the present time, all of the upper Gunnison has been designated over-appropriated and augmentation plans are required on all ground water use for subdivisions.

4. Administration Problems, Issues and Concerns: It continues to remain impossible to thoroughly visit all of the diversion structures during the irrigation season. It is necessary that the water officials prioritize their time and in some instances, choices had to be made, and some concerns were left unaddressed. The water official experienced increased demands and very often insufficient time to address all concerns. The water using public is demanding better diversion records, and in some cases due to personnel and budget limitations, it is possible to show a slight improvement each year.

5. Effect of Work-Load Changes: In the past ten years, increase in division staff has been very limited and the field commissioners are not able to always keep up with new water rights. These new decrees have in some instances nearly doubled their field work-load, and commissioner time and staff have not increased accordingly. Many of the new along with some of the old water rights are not identified adequately in the annual diversion records.

6. Budget Impact: Budget conditions have seriously limited off-season attention to water diversions throughout the entire division. Because of anticipated travel deficits for the fiscal year, travel was kept to a minimum until late spring which in turn allowed almost no record-keeping or attention to winter diversions throughout the division. The reduction of the travel budget also limited some of the full-time employees from working on special projects in the division office during the winter months. The budget allocations for part-time water officials in Division Four are at the minimum need and attention to water related problems at the beginning or ending of the irrigation season are in some instances, foregone because of lack of sufficient personal service budget.

It is possible that some reallocation of full-time positions could alleviate this condition. Also, some combining of responsibilities in various areas could be accomplished to secure additional man-months. However, it is a condition that is difficult to implement unless there is a retirement or resignation. This is also a situation that involves public awareness and public relation work within the water using community in order to assure the water users that the changes made will not materially affect their quality and level of water administration. The division office has the responsibility to convince the affected water commissioners that these improvements will be beneficial both to the employee and the water users.

B. 1984 Water Year

1. Problems and Concerns to Impact Division Operation: The high volume of water right filings continue to have time and budget impact throughout Division Four. This is not considered a negative impact; however, it will require additional planning and some setting of priorities. This activity has consequences for the majority of the division administration staff. The special attention and administration of water right augmentation plans will add additional responsibilities to field personnel and division office staff. It is anticipated that the status of the Upper Gunnison River Basin and the position of the U.S.B.R., as it relates to their water rights in the Curecanti Project, will generate concerns throughout the entire area.

The Water Rights Tabulation and abandonment lists to be published in 1984 are anticipated to generate wide spread interest and significant concern throughout the entire division. The proposed abandonment of early railroad, mining, and industrial rights should produce considerable activity, especially with the legal communities.

Additional time necessary to attend the tabulation as specified by statutes will impact other activities normally worked on during the off-season.

2. Particular Problems and Concerns That Will Not Be Addressed: Due to the various legally required activities for 1984 (including the Water Rights Tabulation and abandonment), it is anticipated that on some instances the field recording of winter flows and diversions will be at a minimum. It is also anticipated that it may be difficult to address all the opposition that may arise from the forthcoming Water Rights Tabulation. Personnel and budget restrictions appear to be the main reason for these shortcomings.

3. Projected Work Items Planned for 1984 for the Division Staff: In 1984 the division staff will continue to update and correct the Water Rights Tabulation, prepare water rights abandonment lists, and work toward meeting the various deadlines and publishing dates. Division staff hopes to continue the mapping or identification of irrigated acreage throughout the division, and it is planned that at least ten per cent additional acreage could be mapped during the winter season prior to spring water administration.

4. Division Priorities in Terms of Goals and Objectives: To meet all the various deadlines that relate to the 1984 Water Rights Tabulation and abandonment. To keep as current as possible in the ongoing review and consultation of new water right applications with the Water Court. To pick up and conclude water right cases that are outstanding for more than one year. To continue an ongoing instruction process with field personnel concerning their water administrative and record-keeping responsibilities. To continue to be sensitive to the public concerns as they relate to the Division of Water Resources and to respond in an accurate and timely fashion.

II. RECOMMENDATIONS

A. Policies

1. Water Administration: It is not anticipated that the general direction and policies of Division Four will be changed significantly during 1984. It will be the commitment of the division to carry out the responsibilities of the division office and the directions of the State Engineer to the best of our abilities. During 1984, it is proposed that the division will endeavor to upgrade the overall administration of water rights by at least five per cent. This includes identifying and recording water right diversion records, increasing the number of visits to diversion structures, better coordinating the activities of field personnel, eliminating duplication, working toward closer contact with the division office and field personnel by initiating discussions and instructions concerning water rights, water right administration and responsibilities.

2. Personnel: Division Four is faced with the replacing of three (deputy) water commissioners in Water District 40 during 1984. This is due to resignation, death and retirement of three recently employed commissioners. It is hoped that recruitment for these replacements can be out of the local area with qualified candidates who will be able to work as long-term employees. An additional goal for 1984 includes the improvement of the planning and review of system procedure of "FAPAS" throughout the division personnel.

3. Budget: It continues to be the goal for Division Four to secure sufficient man-months for the nineteen part-time water commissioners in order that they might be able to have annual leave time beyond their normal allocations and also to be able to utilize these commissioners during the "non-active" irrigation season. The total allocation for part-time personnel for Division Four only addresses

the minimum needs of the various water districts throughout the division, and in order to allow time for special concerns (annual leave and any emergencies) necessitates curtailment of the minimum responsibilities of part-time employees. The same concern also exists with mileage allocation although this need is not as severe.

4. Litigation Activities: Division Four's policy is to limit the necessity of litigation as much as possible through close communications with the Water Court, the water users, and the State Engineer's office. This position is addressed with knowledge of the responsibilities of the division office.

- B. Personnel Changes: (See Item A.2.) It is possible that the needs of Water District 40 will involve realignment of some of the various part-time employees with the purpose of eliminating one position and allowing the time saved to be distributed throughout the other commissioners in that district. It will be necessary to assign additional responsibilities to several of the adjacent commissioners as necessary.
- C. Budgetary Priorities: (See A.3.) The highest priority considering budgetary concerns is the addition of man-months for the part-time employees. Additional concern is for modest increase in the travel budget and consideration for upgrading of several division personnel.
- D. Administrative Practices: It is anticipated in 1984 that the division will be more involved in the administration of plans of augmentation, dam safety inspections and reports, better and more accurate diversion records, arbitrators in jurisdictional water disputes, and a general attention to the various responsibilities as in past years.

III. STATISTICAL INFORMATION

- A. Transmountain Diversions (See attached.)
- B. Storage Water (See attached.)
- C. Water Diversions (See attached.)
- D. Court Activities (See attached.)
- E. Office Administration: It is not anticipated that the office administration shall change significantly from past years. The office is open from eight o'clock to five o'clock to assist the general public in water related matters. We will continue to direct and advise water well applicants, help with routine water right applications, interpret water decrees, and present the position of the State Engineer to the public. The locating of a well inspector in the division office has increased the division secretary-administrator work-load.
- F. River Calls: It is anticipated with the present snow-pack that similar conditions to 1983 will exist during the 1984 season. Water was administered during 1983 in the Cedaredge area under the priority system. The remainder of the division had sufficient water to meet all needs and a "call" was not placed on any of the river systems in Division Four. However, it is possible that the Kannah Creek system may be subject to "call" during the 1984 irrigation season.
- G. Compact Deliveries: Division Four is under the Colorado River Compact and at the present time, there is no administration involvement in the delivery of water to the Colorado River Water Compacts.
- H. Administration of Plans of Augmentation: During 1984, it is not anticipated that the administration of plans of augmentation will be necessary with the exception of one or two instances. In these cases the diverted water will be replaced in a manner in which the senior water right holders will be able to best utilize the stored augmentation water. A radical change in the weather pattern between this writing and the beginning of the irrigation season could have significant effect on the administration of augmentation plans.

TRANSMOUNTAIN DIVERSIONS SUMMARY - INFLOWS

Division IV - 1983

		RECIPIENT						SOURCE	
WD	NAME	STREAM	PREVIOUS IYR		IYR OF RECORD		WD	STREAM	
			AF	Days	AF	Days			
28	None								
40	Leon Lake Tunnel	Surface Creek	1,604	72	1,859	83	72	Leon Creek	
41	None								
42	None								
59	None								
60	None								
61	None								
62	Tabor Ditch #2	Cebolla tributary	782		1,180			Rio Grand River trib	
63	None								
68	Carbon Lake	Uncompahgre River	556	129	None			Unnamed	
	Red Mountain	Uncompahgre River	-	-	-			Mineral	
73	None								
Total			2,952		3,039				

RESERVOIR STORAGE SUMMARIES (page 1) Division IV - 1983

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR			IYR OF RECORD							
			Beg. IYR		Beg. IYR		Beg. Irr. Season		End IYR				
			AF	%	AF	%	AF	%	AF	%			
	<u>MAJOR</u>												
28	Hot Springs Reservoir	Hot Springs Creek	119.8	20	603.0	100	254.4	42	603.0	100	24.5		
	McDonough Reservoir #1	Los Pinos Creek	654.8	81	805.2	100	805.2	100	805.2	100	805.2		
	McDonough Reservoir #2	Los Pinos Creek	201.8	27	741.6	100	741.6	100	741.6	100	741.6		
	Needle Creek Reservoir	Needle Creek	340.0	46	641.9	87	412.9	56	742.0	100	492.0		
	Upper Cochetopa Res.	Cochetopa Creek	243.3		312.8		395.2		492.0		442.0		
	Vouga Reservoir	Razor Creek	0	0	810.0	89	565.0	62	910.0	100	495.0		
	<u>MAJOR</u>												
40	Alexander Lake Res.	Ward Creek	73	38	145	75	133	69	157	81	121		
	Ault Reservoir	Muddy Creek	0	0	116	100	0	0	116	100	0		
	Bailey Reservoir	Leroux Creek	168	40	423	100	110	26	423	100	79		
	Barren Lake Reservoir	Kiser Creek	152	19	800	100	719	90	800	100	521		
	Basin #1 Reservoir	Dirty George Creek	0	0	104	40	0	0	258	100	65		
	Basin #2 Reservoir	Dirty George Creek	0	0	24	20	0	0	63	53	0		
	Battlement #2 Reservoir	Dirty George Creek	913	100	913	100	913	100	913	100	913		
	Baxter Reservoir	Smith Fork Creek	318	100	318	100	318	100	318	100	318		
	Beaver Dam Reservoir	Escalante Creek	0	0	396	100	0	0	396	100	0		
	Beaver Reservoir	Minnesota Creek	37	2	1,287	79	41	3	1,308	81	123		
	Bruce Park Reservoir	Hubbard Creek	0	0	700	100	0	0	650	93	0		
	Carbonate Camp #6	Youngs Creek	2	2	113	100	96	85	113	100	50		
	Carbonate Camp #7	Youngs Creek	2	2	108	100	65	60	108	100	0		
	Carl Smith Reservoir	Leroux Creek	776	93	838	100	569	68	838	100	0		
	Cedar Mesa Reservoir	Surface Creek	258	28	926	100	480	52	926	100	325		
	Cole #5 Reservoir	Surface Creek	0	0	117	100	0	0	117	100	0		
	Columbine #1 Reservoir	Muddy Creek	0	0	176	100	0	0	176	100	0		

VD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR			IYR OF RECORD							
			Beg. IYR		Beg. Irr. Season		Beg. Irr. Season		End IYR				
			AF	%	AF	%	AF	%	AF				
	MAJOR												
40	Crawford Reservoir	Iron Creek	2,506	18	13,972	98	8,271	58	14,300	100	7,723		
	Daniels Sl. Reservoir	Kiser Creek	55	24	228	100	180	79	228	100	140		
	Deep Slough Reservoir	Ward Creek	120	24	498	100	212	43	498	100	161		
	Deep Ward Reservoir	Ward Creek	259	15	1,102	65	1,043	61	1,700	100	1,213		
	Dog Fish Lake Reservoir	Leroux Creek	0	0	243	100	0	0	243	100	0		
	Donnelly Slough Res.	Kiser Creek	132	48	277	100	165	60	277	100	252		
	Dowdy Reservoir	Leroux Creek	0	0	264	100	0	0	264	100	0		
	Dugger Reservoir	Oak Creek	0	0	212	100	117	55	212	100	212		
	East Beckwith #1 Res.	Anthracite Creek	0	0	360	100	156	43	360	100	80		
	Eggleston Lake Res.	Kiser Creek	662	24	2,645	98	2,350	87	2,705	100	2,143		
	Elk Wallows Reservoir	Leroux Creek	168	77	218	100	218	100	218	100	86		
	Ella Reservoir	Leroux Creek	0	0	109	100	0	0	98	90	0		
	Fruitgrowers Reservoir	Dry Creek	1,249	29	4,312	100	3,503	81	4,312	100	1,927		
	Goodenough Reservoir	Kiser Creek	74	50	149	100	90	60	149	100	90		
	Goodenough #2 Res.	Leroux Creek	116	13	684	78	684	78	872	100	372		
	Granby #11 Reservoir	Dirty George Creek	39	5	703	91	579	75	775	100	761		
	Granby #12 Reservoir	Dirty George Creek	212	35	566	93	499	82	610	100	480		
	Gray Reservoir	Leroux Creek	24	6	423	100	56	13	424	100	126		
	Hanson #2 Reservoir	Leroux Creek	0	0	225	100	0	0	225	100	0		
	Holy Terror Reservoir	Terror Creek	0	0	146	100	0	0	146	100	0		
	Hotel Lake Reservoir	Ward Creek	177	32	548	100	436	100	548	80	451		
	Island Lake Reservoir	Ward Creek	381	23	1,678	100	1,251	75	1,678	100	1,454		
	Kehmeir Reservoir	Surface Creek	51	16	320	100	177	55	320	100	116		
	Kiser Slough Reservoir	Kiser Creek	24	5	512	100	290	57	512	100	158		

VD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR				IYR OF RECORD							
			Beg. IYR		Beg. Irr. Season		Beg. IYR		Beg. Irr. Season					
			AF	%	AF	%	AF	%	AF	%				
	MAJOR													
40	Scotland Peak Reservoir	Ward Creek	0	0	59	20	28	9	256	85	0			
	Sheep Lake Reservoir	Ward Creek	88	58	153	100	114	75	153	100	120			
	Apatofore Reservoir	Muddy Creek	0	0	100	100	0	0	100	100	0			
	Todd Reservoir	McDonald Creek	0	0	150	94	0	0	160	100	100			
	Trio Reservoir	Surface Creek	79	48	164	100	119	73	164	100	63			
	Twin Lake Reservoir #1	Surface Creek	0	0	107	35	0	0	133	43	68			
	Twin Lake Reservoir #2	Surface Creek	0	0	136	76	0	0	160	89	43			
	Tyler Reservoir	Iron Creek	0	0	169	100	0	0	169	100	110			
	Upper Hotel Lake Res.	Ward Creek	0	0	110	100	110	100	110	100	110			
	Vela Reservoir	Surface Creek	225	51	437	100	437	100	437	100	245			
	Ward Creek Reservoir	Ward Creek	95	33	284	100	226	80	284	100	158			
	Weir & Johnson #2 Res.	Surface Creek	269		501		545	100	545	100	488			
	West #1 Reservoir	Jay Creek	0	0	450	100	0	0	450	100	177			
	Williams Creek Res.	Muddy Creek	34	34	100	100	37	37	100	100	80			
	Willow Reservoir	Leroux Creek	0	0	104	81	0	0	128	100	0			
	Womack #1 Reservoir	Ward Creek	25	12	207	100	35	17	207	100	106			
	Womack #2 & #3 Res.	Kiser Creek	29	19	156	100	54	35	156	100	45			
	Young Creek Res. #1, #2	Youngs Creek	162	18	645	73	561	63	797	90	521			
	Young Creek Res. #3	Youngs Creek	101	50	193	96	113	56	200	100	76			
	Y & S Reservoir	Surface Creek	54	29	189	100	126	67	189	100	124			
	OTHER													
40	Various		514	16	2,918	93	852	27	2,941	93	1,022			

VD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR			IYR OF RECORD							
			Beg. IYR		Beg. Irr. Season		Beg. Irr. Season		End IYR				
			AF	%	AF	%	AF	%	AF				
41	<u>MAJOR</u>												
	Buckhorn Reservoir	Beaton Creek	182.0	74	247.0	100	182.0	74	247.0	100	206.2		
	Fairview Reservoir		400.0	100	382.0	96	400.0	100	358.0	90	400.0		
	Garnet Mesa Reservoir	Uncompahgre River	1,372.0	100	1,372.0	100	1,372.0	100	1,372.0	100	1,372.0		
41	<u>OTHER</u>												
	Various		0	0	73.0	100	0	0	73.0	100	0	0	
42	<u>MAJOR</u>												
	Anderson #1 Reservoir	Kannah Creek	285	61	466	100	298	64	466	100	413		
	Anderson #2 Reservoir	Kannah Creek	330	58	568	100	400	70	568	100	165		
	Anderson #6 Reservoir	Kannah Creek	0	0	100	100	65	65	100	100	80		
	Bolen Reservoir	Kannah Creek	218	41	535	100	315	59	535	100	256		
	Bolen Anderson Res.	Kannah Creek	96	33	293	100	199	68	293	100	60		
	Carson Reservoir	Kannah Creek	637	100	637	100	637	100	637	100	637		
	Deep Creek Reservoir #2	Kannah Creek	0	0	350	100	80	23	350	100	0		
	Dry Cr. Res. (Chambers)	Kannah Creek	0	0	230	100	0	0	230	100	5		
	Flowing Park Reservoir	Kannah Creek	50	6	782	100	200	26	782	100	0		
41	<u>OTHER</u>												
	Fruita Reservoir #1	No. Fk. East Creek	30		No Record		No Record		No Record		No Record	No Record	
	Fruita Reservoir #2	No. Fk. East Creek	0		0		0		0		0	0	
	Fruita Reservoir #3	No. Fk. East Creek	No Record		No Record		No Record		No Record		No Record	No Record	
	Grand Mesa #1 Res.	Kannah Creek	6	2	348	100	75	22	348	100	222		
	Grand Mesa #6 Res.	Kannah Creek	0	0	230	100	0	0	0	0	0		
	Grand Mesa #8 Res.	Kannah Creek	0	0	378	100	45	12	0	0	0		
	Grand Mesa #9 Res.	Kannah Creek	0	0	153	100	0	0	0	0	0		

WD	RESERVOIR NAME	STREAM SOURCE	PREVIOUS IYR			IYR OF RECORD						
			Beg. IYR		Beg. Irr. Season	Beg. Irr. Season		End IYR				
			AF	%	AF	%	AF	%				
62	<u>MAJOR</u>											
	Blue Mesa Reservoir	Gunnison River	356,990	38	739,100	78	723,600	77	823,900	88	695,800	
	Morrow Point Reservoir	Gunnison River	113,120	95	115,200	97	114,000	96	114,706	96	109,300	
	Crystal Reservoir	Gunnison River	13,995		17,580		13,995		30,000		14,230	
	Silverjack Reservoir	Big Cimarron	4,370	32	13,600	100	5,530	41	13,600	100	4,865	
	San Cristobal Reservoir	Big Cimarron	9,786	100	9,786	100	9,786	100	9,786	100	9,786	
	Fish Creek No. 1 Res.	Big Cimarron	100	71	143	100	100	71	143	100	85	
	Fish Creek No. 2 Res.	Big Comarron	150	29	522	100	100	19	522	100	325	
	Soderquist Reservoir	Willow Creek	65	39	165	100	45	27	165	100	85	
	Arrowhead Reservoir	Big Blue	0		0		0		25		25	
	High Park Lake	Big Cimarron	35	8	400	95	50	12	422	100	100	
	63	<u>MAJOR</u>										
Burg Reservoir		West Creek	0	0	108	89	0	0	*122	100	0	
Casement Reservoir			0	0	112	72	0	0	*155	100	0	
68	Casto Reservoir		0	0	120	70	0	0	*171	100	0	
	<u>OTHER</u>											
	Various		1,750	1,950		1,750		1,950		1,760		

*No record and no capacity table, contents shown are the decreed amounts.

WATER DIVERSION SUMMARIES BY DISTRICT

WD	TOTAL DITCHES REPORTING				ESTIMATED NUMBER OF DITCH VISITATIONS	TOTAL DIVERSIONS - AF -	TOTAL DIVERSIONS TO STORAGE - AF -	TOTAL DIVERSIONS - AF -	IRRIGATION		AVERAGE AF PER ACR
	ACTIVE		INACTIVE						NUMBER OF ACRES IRRIGATED	TOTAL DIVERSIONS - AF -	
	WA	MWA	NU	NR							
28	361	0	52	55	2,227	164,510	1,120	164,510	34,377	4.80	
40	784	0	56	890	20,323	486,590	50,471	451,792	120,510	3.74	
41	79	0	0	147	2,466	*654,421	138	*627,243	88,646	7.07	
42	41	17	3	100	4,077	35,444	3,382	34,913	8,352	4.18	
59	186	16	21	39	1,873	243,939	24,830	242,064	35,220	6.87	
60	383	0	183	100	1,775	123,174	13,695	121,929	29,750	4.10	
61	71	1	0	27	1,075	16,232	2,624	11,881	3,282	3.62	
62	228	0	125	53	1,195	3,607,918	405,415	142,182	39,250	3.62	
63	53	19	9	30	774	23,241	340	22,116	2,887	7.66	
68	162	0	134	175	970	94,684	460	87,250	22,160	3.94	
73	27	9	5	53	423	10,559	0	10,531	2,553	4.12	
Total	2,375	62	588	1,669	37,178	5,460,712	502,475	1,916,411	386,987	4.95	

*This includes 282,093 A.F. imported through the Gunnison Tunnel. This amount consists of 5,096 A.F. diverted from WD-62 for municipal and domestic use, 276,997 A.F. diverted from WD-62 for irrigation.

WATER DIVERSION SUMMARIES BY DISTRICT IN ACRE FEET (Continued)

DISTRICT	TRANS-MOUNTAIN OUTFLOW	TRANSBASIN OUTFLOW	STOCK	MUNICIPAL	DOMESTIC	INDUSTRIAL	RECREATIONAL	FISHERY	COMMERCIAL
28	1,647						997	1,439	
40	1,058		21,720	9,025	2			4,053	60
41			21,200	5,096			1,690	2,008	
42	539,630								
59				1,393		482			
60		1,356	90	2,485		6,699	24,725	1,019	
61			1,524	49	154				
62	782	282,396				3,607,918			
63									
68			3,780	610	910	2,320	140	224	
73									
Total	543,117	283,752	48,314	18,658	1,066	3,617,419	27,552	8,743	60

WATER COURT ACTIVITIES

No. Applications for Decrees	333
No. Consultations with Referee	614
No. Decrees Issued by Water Court	363

Type of Decree

Surface Water	277
Ground Water	44
Reservoir	50
Transfer	2
Alternate Point	2
Change of Use	6
Plan for Augmentation	5
In-Stream Flow	30

No. Structures in Decrees	700
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Types of Structures

Ditches	431
Reservoirs	102
Wells	167

TABLE OF ORGANIZATION - PERSONNEL

IRRIGATION DIVISION NO. 4

Division Engineer - Ralph V. Kelling

Assistant Division Engineer - Thomas A. Kelly

Secretary - Jean Kurtz

Hydrographer - Charles G. David

Water District 28

WATER COMMISSIONER
John S. Garber

Water District 40

PRIN. WATER COMMISSIONER
*Richard L. Drexel

Water District 41

WATER COMMISSIONER
Crandall Howard

SENIOR WATER COMMISSIONER
*Robert H. Starr

Water District 42

SR. WATER COMMISSIONER
*Richard Belden

WATER COMMISSIONER
Lester Whiting

WATER COMMISSIONERS

Willard N. Bull
Lloyd A. Connell
Mack Gorrod
James T. Hanrahan
Henry LeValley
**Kenneth Mahannah
John L. McHugh
James Miller
L. Gregg Scott
Charles E. Stein
Stephen W. Tuck
Charley E. Woolley
David E. Woolley

Water District 59

WATER COMMISSIONER
*Edwin S. Hofmann

WATER COMMISSIONER
Robert Drexel

Water District 60

WATER COMMISSIONER
Lyman D. Campbell

Water District 61

WATER COMMISSIONER
Clinton L. Oliver

Water District 62

WATER COMMISSIONER
Edwin S. Hofmann

Water District 63

SR. WATER COMMISSIONER
Richard Belden

Water District 68

WATER COMMISSIONER
*H. Roger Noble

Water District 73

SR. WATER COMMISSIONER
Richard Belden

WELL COMMISSIONER
*Dwayne Mansker

* Annual

** Temporary Employee