

Richard Lamm
JOHN D. VANDERHOOF
Governor



Jeris Danielson
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State Engineer

DIVISION OF WATER RESOURCES

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November 1980

This annual report is hereby respectfully submitted to the State
Engineer of Colorado for the water year 1979-80.

Lee R. Enewold
Division Engineer

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INTRODUCTORY STATEMENT

November 30, 1980

Dr. Jeris A. Danielson
State Engineer
Division of Water Resources
1313 Sherman Street
Denver, Colorado 80203

Re: Division Engineer's
Annual Report

This annual report for Division No. 5 for the water year ending November 30, 1980, is as follows:

1. Introductory Statement.

- A. Division 5 consists of all the Colorado River Basin, including all of its tributaries from the Continental Divide through its course within the State of Colorado to the Utah state line; excluding only the Gunnison River drainage basin, but including the White River drainage, which is located in Division 6, only and expressly provided by law as under judiciary, decretal rule by the Water Judge presiding in the Division 5 Water Court.

The major tributaries of the Colorado River from its headwaters to the state line are the North Fork of the Colorado, Willow Creek, Fraser River, Williams Fork, Troublesome Creek, Blue River, Muddy Creek, Eagle River, Roaring Fork, Divide Creek, Mamm Creek, Rifle Creek, Parachute Creek, Roan Creek, Plateau Creek and the Big Salt Wash.

The major population centers are:

<u>Name</u>	<u>Stream</u>	<u>Approx. Pop.</u>
Carbondale	Roaring Fork	4,600
Glenwood Springs	Roaring Fork	10,000
Area surrounding Glenwood Springs	Roaring Fork	Includes sur. areas
New Castle	Colorado River	2,000
Silt	Colorado River	2,000
Rifle	Colorado River	9,000
Grand Valley	Colorado River	5,000
DeBeque	Colorado River	2,000
Collbran	Plateau Creek	1,000
Palisade	Colorado River	2,000
Grand Junction	Colorado River	37,000
Fruita	Colorado River	5,000
Grand Lake	Colorado River	300
Granby	Fraser-Colorado River	
Fraser-Winter Park	Fraser River	
Hot Sulphur Springs	Colorado River	
Kremmling	Colo. Muddy, Blue River	
Breckenridge	Blue River	
Frisco	Blue River	
Dillon	Blue River	
Minturn	Eagle River	
Vail	Eagle River	
Eagle	Eagle River	
Aspen	Roaring Fork	
Basalt	Roaring Fork	

POPULATION PROJECTIONS

<u>Counties</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
Eagle	11,761	11,903	12,082	12,273	12,500
Garfield	18,597	19,290	20,148	21,127	22,700
Grand	8,203	8,582	9,006	9,461	9,800
Mesa	64,052	65,889	65,256	70,988	75,900
Pitkin	11,004	11,357	11,761	12,193	13,000
Summit	6,743	7,248	7,895	8,403	9,000

POPULATION PROJECTIONS

Community	End of Year									
	1960	1970	1974	Present *	1975	1976	1977	1978	1979	1980
Carbondale	612	726	1,600	2,400	3,100	3,850	4,300	4,600	4,800	5,000
Coilbran	310	225	265	265	275	315	375	450	530	600
Craig	3,984	4,205	5,495	6,000	6,600	8,300	9,900	11,600	13,300	15,000
Cabegue	172	155	300	325	370	490	620	740	870	1,000
Dinosaur	318	247	350	350	370	450	570	710	850	1,000
Fruita	1,830	1,822	2,000	2,000	2,030	2,300	2,800	3,450	4,250	5,000
Glenwood Springs	3,637	4,106	4,646	4,900	5,200	6,200	7,100	8,000	8,900	9,800
Grand Valley	245	270	354	325	340	500	840	1,220	1,600	2,000
Grand Junction	18,694	20,170	26,400	27,000	28,000	29,500	31,000	32,400	34,000	35,700
Maeker	1,655	1,597	2,000	2,150	2,350	2,950	3,750	4,700	5,550	6,200
New Castle	447	499	618	625	650	720	780	860	930	1,000
Palisade	860	874	900	1,000	1,050	1,150	1,270	1,380	1,480	1,600
Rangely	1,464	1,591	1,725	1,785	1,850	2,200	2,850	3,800	5,000	6,100
Rifle	2,135	2,150	2,403	2,750	2,900	3,500	4,200	5,400	6,900	8,600
Silt	384	434	720	750	780	850	920	1,030	1,160	1,300
Totals	36,747	39,071	49,776	52,625	55,865	63,275	71,275	80,340	90,120	99,900

Note: Revision was the results of information McDowell-Smith & Associates obtained during their meetings with the various communities during June and July, 1975, and the current trends of the oil shale industry.
*July 1975

PERSONNEL

PERSONNEL

<u>Name</u>	<u>Position</u>	<u>District</u>	<u>Months Worked/ Budgeted</u>	<u>Mileage</u>
Enewold, Lee R.	Division Engineer		Annual	11,706
Largent, Gary	Hydrographer		Annual	13,008
Dalton, Ruth	Sr. Admin. Cl. Typist		Annual	-0-
Anderson, George	Commissioner	70	7	5,441
Bieser, Robert	Deputy	72	6	2,548
Callicotte, Steve	Commissioner	38	9	6,232
Cerise, Alvin	Commissioner	45	7	7,801
Gerry, Woodrow	Deputy	72	7	5,099
Hart, Daniel	Commissioner	51	Annual	9,252
Hill, Clifford	Deputy	72	7	3,394
Hittle, Ray	Deputy	72	7	6,234
Jackson, Arlen	Commissioner	45	8	12,700
Klocker, Marcus	Commissioner	72	Annual	8,921
Lemon, James	Commissioner	39	9	5,602
Nelson, Glen	Deputy	45	6	1,393
Raine, Jack	Deputy	72	9	4,099
Reed, Miles	Deputy	72	7	1,644
Shelden, Jim	Commissioner	52,53	Annual	15,619
Thompson, William	Commissioner	50	8	8,043
Wells, Wayne	Commissioner	36,37	Annual	13,343
Yeoman, Richard	Deputy	45	3	2,369

SNOW PACK

SNOWPACK

December and January brought good precipitation in the form of snow to the mountains. Excellent snowpack existed and was 121 percent of the 1963-79 average.

In February the snowpack increased from 121 to 130 percent on the west slope of Colorado. On the east slope in Northern Colorado the percent decreased from 151 to 141 percent of normal.

By April 1 the snowpack was 124 percent of normal. During the month of March, snowpack water content had increased slightly on the west slope in northern Colorado to 132 percent of normal and decreased slightly on the east slope in northern Colorado to 139 percent of normal.

By May 1, 1980, snowpack water content on the Green Mountain watershed was significantly higher than May 1, 1979.

The accumulated winter snow kept the rivers active through much of the summer. However, July and August had consistently hot temperatures which depleted the stream flows and precipitated a "call" on the river from Shoshone and Grand Valley Project on the 11th and 12th of August, respectively.

PRECIPITATION

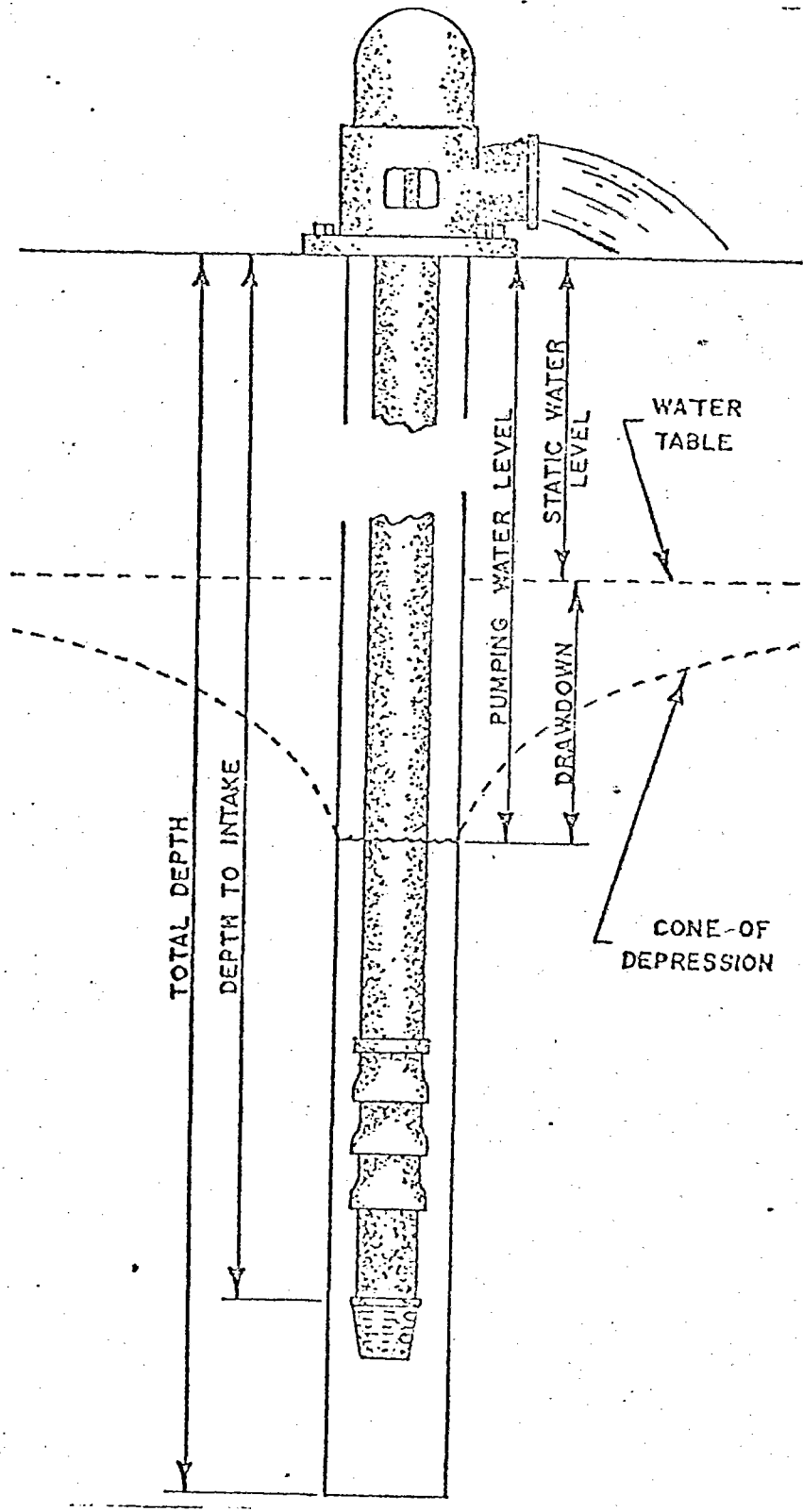
PRECIPITATION

Precipitation in June and July was negligible and was hot and dry throughout the Western Division System. Most stations had less than ten percent of normal June precipitation. Temperatures were above normal for most of the month of June and July.

Precipitation totals remained above normal for all watersheds in the system.

Above normal precipitation occurred over most of the Western Division in March.

UNDERGROUND WATER



In the Colorado River valley, ground water is quite limited as to irrigation use. Most wells in this area are used for domestic purposes. They vary from relatively soft water wells and springs in the mountain areas to water which is quite high in soluble salts along the lower river valleys.

A study of the ground water resources of the Middle Park areas was made by the USGS and the State Water Conservation Board. According to this study in Middle Park, the best source of ground water is the alluvium including the terrace deposits of streams. The alluvium consists mainly of sand and gravel in a matrix of silt and other fine grained material. Their thickness ranges up to 100 feet. Ground water in Middle Park is used mostly for domestic and livestock purposes. The natural conditions for developing large capacity wells do not seem to exist in most of the park.

Further studies of ground water are currently being made, and further information will be available from time to time.

Division 5
Well Permits Issued

District	No. of Permits	Domestic	Commerical	Irrigation	Municipal	Other Use
36	100	25	4	-0-	-0-	81
37	35	15	2	6	8	19
38	140	72	9	10	7	95
39	38	21	1	5	1	21
45	63	60	1	2	6	23
50	21	8	-0-	-0-	-0-	13
51	120	15	3	-0-	2	117
52	1	-0-	1	-0-	-0-	-0-
53	6	4	-0-	-0-	1	1
70	5	-0-	-0-	-0-	-0-	4
72	30	22	-0-	3	-0-	6
TOTAL	559	242	21	26	25	380

Division 5
Wells Adjudicated In The
Water Court

District	No. of Applications	Domestic	Commercial	Irrigation	Municipal	Other Uses
36	17	15	2	17	17	17
37	6	2	1	2	2	4
38	89	68	14	18	15	62
39	11	11	8	6	6	11
45	8	6	1	1	-0-	4
50	-0-	-0-	-0-	-0-	-0-	-0-
51	33	11	4	2	2	22
52	-0-	-0-	-0-	-0-	-0-	-0-
53	1	-0-	-0-	-0-	1	-0-
70	-0-	-0-	-0-	-0-	-0-	-0-
72	3	3	1	-0-	-0-	1
TOTAL	167	116	31	46	43	121

TRANSMOUNTAIN DIVERSIONS

RESERVOIRS

AGRICULTURE

AGRICULTURE

Agriculture is one of the largest industries in Division 5. The number of farms showed a decrease from 1970 to 1980, while at the same time farm income also decreased. The approximate acres of farm land total 1,593,893, which is divided into three main areas of agriculture. The high mountain area is classed as livestock and grazing. The major crop is hay, with 3/4 to 1 ton per acre. The grazing land in the area ranges in elevation from 4,500 to 12,000 feet. With this difference in elevation, there is a great difference in ability to produce forage for cattle and browse for wild game and sheep. Some sites can produce no more than 100 pounds of plant material per acre. Other sites in favorable years produce 4000 pounds per acre.

The Middle Park area crops are mostly barley, potatoes, corn and hay. Over the last twenty years the cropping patterns have changed in this area. Carbondale and Aspen used to be known for potatoes, and crops like strawberries were common around Glenwood Springs. Today this area is devoted to pasture and hayland, with minor acreages of cash crops.

The Lower Grand Valley area produces fruits and row crops. About 8,141 acres of fruit orchards - peaches, pears and apples.

In all three areas combined, the approximate yield of wheat and hay is 105,700 bushels and 310,276 tons. There are approximately 152,548 sheep and lambs, and 143,276 cattle and calves. Livestock is an important part of the agriculture industry. However, the total number has decreased. Cattle and sheep are often summered on land administered by the U. S. Forest Service and Bureau of Land Management.

In the past few years we have seen much farm land become residential areas. Due to the uncertainty of making a living on a farm or ranch and due to high taxes on farm land, many ranches and farms have fallen into the hands of subdividers.

The uncertainty of the weather on fruit orchards causes hardships on everyone.

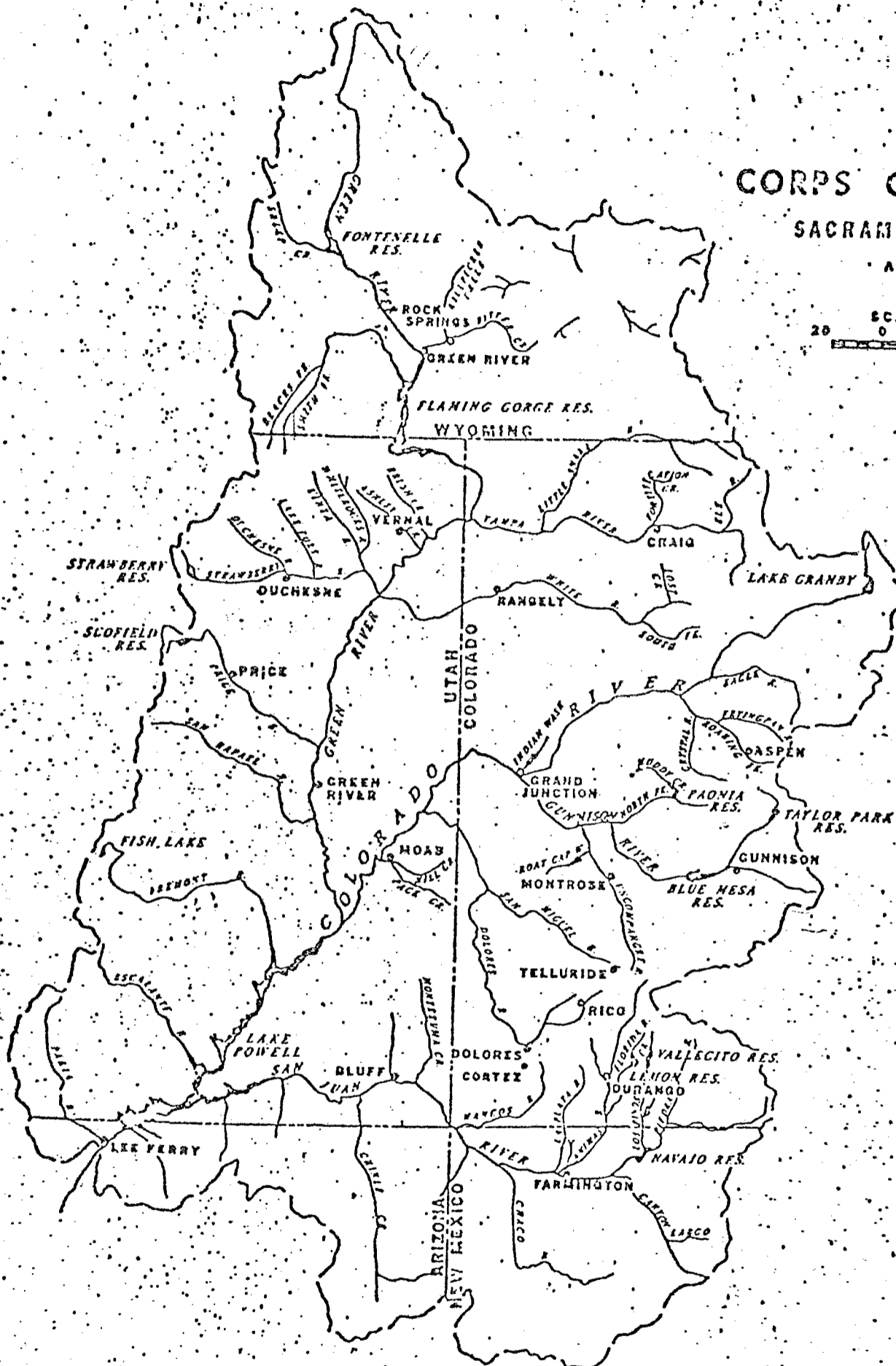
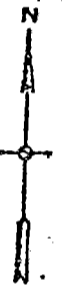
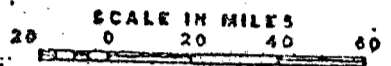
If the fruit growers have a short crop due to late frosts in the spring, the consumer has to pay more for the product.

Irrigation water is available for many farms in the three areas and new planned developments are underway to promote more irrigation water.

DAMS

CORPS OF ENGINEERS
SACRAMENTO DISTRICT

AUGUST 1970



UPPER COLORADO RIVER BASIN

DAMS

The following is a tabulation of all livestock water tank applications which were approved during the 1979-80 irrigation year:

<u>District</u>	<u>No. of Stock Tanks</u>
36	0
37	0
38	0
39	1
45	0
50	0
51	0
52	0
53	0
70	0
72	1

WATER RIGHTS TABULATIONS

WATER RIGHTS TABULATION

1. Underground water rights	224
2. Changes in water rights	78
3. Water rights (absolute)	173
4. Diligence (conditional)	227
5. Water storage rights	98
6. Applications received in Water Court	390
7. Referee consultations	390

REFEREE'S FINDINGS AND DECREES

HYDROGRAPHER'S REPORT

HYDROGRAPHIC REPORT

During the 1979-80 water year the Hydrographer for Division 5 reports 124 stream gaging measurements at the seven stations for which annual records were computed for publication in Water Resources Data for Colorado.

A total of 64 administrative measurements were made in addition to those above.

The 1980 water year records were recently submitted to the Chief Hydrographer for reviewing.

ORGANIZATIONS

WEST DIVIDE - West Divide Water Conservancy District

Pres: William B. Jackson, Glenwood Springs
V-Pres: Harold C. Carmack
Sec-Treas: Frieda H. Jackson, Glenwood Springs
Atty: Frank Delaney, Glenwood Springs
Dir: William B. Jackson
Harold C. Carmack
Carl Barnklau
Paul Pitman
L. Christensen
Ralph L. Antonides

MISCELLANEOUS - Colorado River Water Users Association

Pres: L. Y. Siddoway, Vernal, Utah
V-Pres: Clifford Tabor, Wellton, Ariz.
Sec-Treas: Lynn S. Ludlow, Orem, Utah
Dir: Floyd M. Smith, Arizona
Victor I. Corbell, Arizona
Norris Soma, Arizona
Carl Vevine, California
Warren Butler, California
Leon Kennedy, California
Roland Fischer, Colorado
Don D. Noble, Colorado
Robert Delaney, Colorado
Ivan P. Head, Nevada

COLORADO DEPARTMENT OF NATURAL RESOURCES

T. W. Ten Eyck
Division of Game Fish & Parks
Division of Mines
Division of Water Resources
Geological Survey
Board of Land Commissioner
Oil and Gas Conservation Commission
Soil Conservation Board
Water Conservation Board

COLORADO RIVER WATER CONSERVATION DISTRICT

Ken Balcomb
R. C. Fischer

COLORADO WATER CONSERVATION BOARD

Felix L. Sparks

GRAND VALLEY - Mesa County Irrigation District

Pres: Harry W. Brown, Grand Junction
Sec-Treas: O. F. Christensen, Gr. Junction
Supt: Jeff Bell
Dir: Harry Brown
O. F. Christensen
Harold Gardnier

GRAND VALLEY - Orchard Mesa Irrigation District

Pres: Edward T. Bryant, Gr. Junction
V-Pres: H. E. Porterfield, Palisade, Colo.
Sec: Florence K. Pauly, Gr. Junction
Treas: Mesa County Treasurer, Gr. Junction
Atty: Williams & Turner
Supt: W. F. Green, Palisade
Mgr: G. W. Klapwyk, Gr. Junction
Dir: H. E. Porterfield
E. T. Bryant
Clyde Rooks

GRAND VALLEY - Palisade Irrigation District

Pres: Everett Corlett, Gr. Junction
V-Pres: John Vesakis, Clifton
Sec: W. E. Funk, Palisade
Treas: Mesa County Treasurer, Gr. Junction
Atty: William H. Nelson
Ditchrider: Delbert Kitson
Dir: W. E. Funk
John Vesakis
Everett Corlett

MIDDLE PARK - Middle Park Water Conservancy District

Pres: Redwood Fisher, Granby
V-Pres: Karl H. Knorr, Dillon
Sec-Treas: Carl Breeze, Kremmling
Atty: Bob Delaney, Glenwood Springs
Dir: Red Fisher
Jack Horn
Carl Breeze
Karl H. Knorr
Kenneth Wheatley
Frank F. Brown

SILT - Silt Water Conservancy District

Pres: Marvin Ryden, Rifle
V-Pres: Jake Haas, Rifle
Sec. Treas: Mike Dmitrich, Price
Atty: Therald N. Jensen
Dir: Chris Jouflas
George Waterman
Paul Moynier
William Welsh
Gordon Newbold

UTE WATER - Ute Water Conservancy District

Pres: Fred J. Simpson, Grand Junction
V-Pres: W. J. Baker, Loma
Sec: L. P. Morse, Gr. Junction
Treas: Bobby J. White, Gr. Junction
Atty: Albin Anderson, Gr. Junction
Mgr: Riney F. Wilbert, Gr. Junction
Dir: John Brophy
W. J. Baker, Loma
Frank Needs
Harold Hougenson
Berta Hout

WATER USER ORGANIZATION ROSTER

Project and Unit

BASALT - Basalt Water Cons. District

Chairman: Austin Hueschkel, Carbondale
V-Chairman: George Locksinger, Basalt
Sec.: Steve Callicotte, Carbondale
Treas.: Willis Kenney, Carbondale
Atty: Edward Mulhall, Glen. Springs
Dir: Bernard Hopkins
Willis Kenny
Austin Hueschkel
Harold Fender
Thomas Turnbull
George Lucksinger
Floyd Crawford

BATTLEMENT MESA - Battlement Mesa Wtr. Cons. Dist.

Pres: Carleton Currier, Gr. Junction
V-Pres: Clyde Bruton, Collbran
Sec. Treas: Arthur Linn, Collbran
Atty: Albin Anderson, Gr. Junction
Dir: Carleton Currier
Arthur Linn
Ray Hittle
Rex Clifton
Paul Height
George Gipp
Clyde Bruton

BLUESTONE - Bluestone Wtr. Cons. Dist.

Pres: Orville Mahaffey, Grand Valley
V-Pres: Robert Latham, Gr. Valley
Sec-Treas: Geo. Anderson, DeBeque
Atty: Kenneth Balcomb, Gl. Springs
Dir: LeRoy Latham
George Anderson
Orville Mahaffey
Robert Latham
Carlos Carpenter
Harry Blue
Richard Looney

COLLBRAN - Collbran Conservancy District

Pres: Herbert Milholland, Molina
V-Pres: Francis Chapman, Collbran
Sec: H. R. Lloyd, Mesa
Atty: Nelson, Hoskin & Groves, Gr. Jct.
Sec. Treas: Everett Collins, Collbran
Dir: Ben Nichols
Bill Tupper
Francis Chapman
Herbert Milholland
W. D. Meador
H. R. Lloyd

GRAND VALLEY-Gr. Valley Wtr Users Assoc.

Pres: W. J. Baker, Loma
V-Pres: Taylor Roberts, Mack
Sec: Ray Gobbo, Gr. Junction
Treas: G. W. Klapwyk, Gr. Junction
Atty: Williams & Turner, Gr. Junction
Mgr: G. W. Klapwyk, Gr. Junction
Asst. Mgr: Bob Myers
Dir: Amos Alstatt
W. J. Baker
Avery Kohla
Bruce Currier
Ray Gobbo

WATER COMMISSIONER'S SUMMARY

DIVISION ENGINEER'S SUMMARY

ANNUAL SUMMARY - DIVISIONS
ACRE FEET (11-1-77 thru 10-31-78)

Districts	Non-Exempt Wells #	Ditch Structures Reported #	IRRIGATION			CURRENT YEAR		TRANS-MOUNTAIN	
			Direct Diversions To Irrigation	Diversions To Storage	Storage To Irrigation	Acres Irrigated	Export	Div. to Div. Import	
36		381	291,856	330,760	588	14,475	161,339		
37		378	165,589	43,998	1132	17,581	7,232		
38		629	450,456	53,265	9128	54,750	79,426		
39		269	110,427	10,261	10,602	16,633	0		
45		344	83,954	0	0	33,297	0		
50		172	43,422	3,500	3,500	19,000	0		
51		475	169,865	180,000	3,944	33,953	517,602		
52		162	49,516	0	3	9,172	0		
53		398	129,233	1,780	1616	42,258	3		
70		106	80,000	0	0	10,900	0		
72		440	1,153,945	41,445	36,153	104,764	0		
TOTAL		3754	2,728,263	665,000	66,666	356,783	765,600		

Districts	MUNICIPAL			INDUSTRIAL		RECREATION		ACTUAL STORAGE		# Decree Applications	# Water Cou Application
	Direct Diversions	Diversions To Storage	Storage Releases	Direct Diversions	Diversions To Storage	Storage-Wildlife Parks	For Year All Reservoirs				
36	4860	134,662		169,993	169,993	394,516	330,760				
37	4088	38,983		0	0	39,999	43,998				
38	9800	730		3,969	0	105,456	53,265				
39	436	0		0	0	15,048	10,261				
45	400	0		0	0	3,000	0				
50	1000	0		0	0	0	3,500				
51	2396	3,000		2,871	58,694	230,000	180,000				
52	0	0		0	0	0	0				
53	3925	2,410		367,385	0	3,581	1,780				
70	1000	0		0	0	0	0				
72	5798	137		529,600	3,257	42,435	41,445				
TOTAL	31,307	179,922		1,073,818	65,404	934,035	665,000				

ANNUAL SUMMARY - DIVISIONS
ACRE FEET (11-1-78 thru 10-31-79)

IRRIGATION

CURRENT YEAR

TRANS-MOUNTAIN

Districts	Non-Exempt Wells #	Ditch Structures Reported #	Direct Diversions		Diversions To Storage	Storage To Irrigation	Acres Irrigated		Div. to Div.	
			To Irrigation	To Storage			Export	Import		
36		381	574,207	214,392	22,580	14,514	161,475			
37		377	187,512	36,091	724	16,720	38,265			
38		644	446,730			55,277				
39		270	118,872	15,128	11,089	18,477	2,159	0	0	
45		346	68,840	58	0	31,789	0	2,295	0	
50		145	46,807	5,098	5,089	10,352	0	0	0	
51		476	163,802	474,409	243,327	32,393	272,313	0	0	
52		152	38,180	30	3	7,506	0	0	0	
53		398	104,761	7,784	1,616	32,080	0	0	0	
70		106	99,378	0	0	10,280	0	0	0	
72		441	1,149,398	30,622	28,022	106,904	0	2,500	0	
TOTAL		3736	2,998,487	783,612	312,450	336,292	474,212		4,795	

INDUSTRIAL

MUNICIPAL

RECREATION

ACTUAL STORAGE

Districts	Direct Diversions		Storage Releases	Diversions To Storage		Hydro-Power	Storage-Wildlife Parks		For Year All Reservoirs	# Decree Applications	# Water Court Applications
	Diversions	To Storage		Diversions	To Storage		Storage-Wildlife	Parks			
36	1,533	132,500	132,500	266,135	266,248	418,693	214,392				
37	4,818	31,014	31,014	123,579	131,014	323,141	136,091				
38	15,242	0	0	1,460	0	53,370	196,268				
39	427	0	0	0	0	15,128	15,128				
45	400	58	58	0	0	3,000	58				
50	1,000	10	10	0	0	5,000	5,089				
51	1,576	3,000	3,000	1,966	439,658	474,000	552,409				
52	0	0	0	0	0	0	30				
53	3,292	2,410	2,410	766,568	766,568	4,402	10,194				
70	1,000	0	0	0	0	0	0				
72	7,842	10,000	10,000	349,973	356,473	39,766	47,122				
TOTAL	37,130	178,992	178,992	1,509,678	1,959,961	1,336,500	1,176,781				

1979-80
ANNUAL SUMMARY - DIVISIONS
ACRE FEET (11-1-79 thru 10-31-80)

Districts	Non-Exempt Wells #	Ditch Structures Reported #	IRRIGATION			Storage To Irrigation	CURRENT YEAR		TRANS-MOUNTAIN	
			Direct Diversions To Irrigation	Diversions To Storage	Storage To Irrigation		Acres Irrigated	Export	Div. to Div. Import	
36		380	674,207	34,392	23,850	14,514	261,975	0		
37		376	216,241	1014	1014	18,412	40,380	0		
38		648	488,311	8000	8000	55,880	84,686	0		
39		273	149,005	13,813	13,813	21,958	0	0		
45		346	68,840	58	0	31,789	0	2295		
50		171	73,941	10,278	10,278	13,626	0	120		
51		513	166,716	1,687	16,877	32,050	204,052	0		
52		162	49,516	30	30	9,172	6	0		
53		398	129,233	1,616	1,616	42,258	0	0		
70		109	91,000	958	958	9610	0	0		
72		448	1,145,145	18,104	18,104	106,914	0	0		
TOTAL		3819	3,252,155	369,950	79,377	328,610	590,593	2295		

Districts	MUNICIPAL				INDUSTRIAL			RECREATION		ACTUAL STORAGE		
	Direct Diversions	Diversions To Storage	Storage Releases	Direct Diversions	Diversions To Storage	Hydro-Power	Storage-Wildlife Parks	For Year All Reservoirs	# Decree Applications	# Water Court Applications		
36	1533	142,600	142,600	276,100	276,100	276,100	518,600	814,300				
37	44,237	27,718	27,718	23,579	3340	0	539	32,705				
38	13,742	0	0	0	0	1575	43,426	48,000				
39	425	0	0	0	0	0	19,592	15,875				
45	400	58	58	0	0	0	3,000	58				
50	1000	10	10	0	0	0	5,000	10,278				
51	1707	0	0	2346	0	0	200,000	230,000				
52	3925	0	0	0	0	0	0	Bo				
53	3925	2410	2410	0	0	367,385	4463	7784				
70	1000	0	0	0	0	0	0	0				
72	88,825	65	65	0	601	501,972	32,214	32,214				
TOTAL	156,794	172,861	172,861	302,925	280,041	1,146,972	821,684	1,691,944				