

INTRODUCTORY STATEMENT

ANNUAL DIVISION ENGINEERS REPORT
IRRIGATION DIVISION NO. 2

1976

IRRIGATION DIVISION NUMBER 2 CONSISTS OF ALL LANDS IRRIGATED FROM DITCHES AND CANALS DIVERTING WATER FROM THE ARKANSAS RIVER AND ITS TRIBUTARIES. THE DIVISION IS COMPOSED OF ELEVEN WATER DISTRICTS (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 66 and 67) COMPRISING THE COUNTIES OF EL PASO, CHAFFEE, LAKE, FREMONT, CUSTER, PUEBLO, PARK, LAS ANIMAS, TELLER, CROWLEY, OTERO, BENT, PROWERS, BACA AND KIOWA.

THE AREA THAT IS ENCOMPASSED BY IRRIGATION DIVISION NUMBER 2 MAY BE BEST DESCRIBED BY THE FOLLOWING SUMMARIZED TABLES.

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DIVISION ENGINEER COMMENTS

Rainfall was somewhat below normal on the main stem of the Arkansas and above normal on the Purgatoire. The runoff on the main stem above John Martin Dam was less than last year, while the runoff on the Purgatoire was five times that of last year. In general, this year was somewhat drier than normal, but crop yields were above average due partly to Winter Storage.

There were two noteworthy floods last year. One was on the Arkansas and occurred on August 2, 1976. Pueblo Dam prevented any significant damage from resulting from this flood. The other was on the Purgatoire and occurred on July 21, 1976. Trinidad Dam prevented any significant damage which might have resulted from this flood.

In the enforcement of the 1973 Pumping Rules and Regulations, sixty personal contacts were made. Fifty-nine agreed to comply; one did not. An injunction was sought and the party then agreed to comply.

Judge Gobin ruled against the amendment to the 1973 Rules and ruled that wells in production eighteen years prior to regulation would be exempt from regulation. So the rules for the 1977 season will be somewhat different than in 1976, and some changes in enforcement procedures must be made.

Last year, approximately one-thousand man hours were spent either in court or preparing for court. We anticipate at least this much next year.

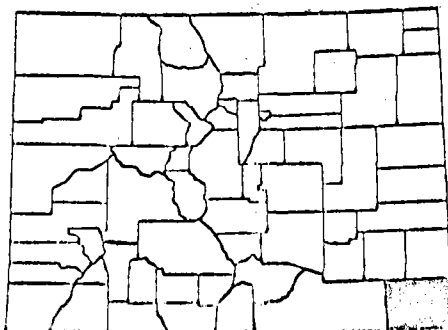
The Hydrographic Section maintained twenty-two gaging stations for the year and monitored nine transmountain diversions during the summer months. The gage at the Arkansas River at Pueblo was discontinued as of July 1, 1976.

The Fry-Ark Project is approximately forty-six percent complete as of December, 1976. Pueblo Reservoir opened the south side marina in May of 1976. This is the largest reservoir of a group which is part of the project. The collection system to Hunter Tunnel system is now under construction. The Mt. Elbert Power Plant is sixty-six percent complete and expects to begin operation next year. The collection system which is at Boustead Tunnel was below average, and thus there was less Project Water sold this year. Pueblo Reservoir reached a peak of 72,744 A.F. in the year 1976. A new feature for the Project was the storing of winter water in Pueblo Reservoir. Storage lasted for three months in winter time and seemed to work out better for the irrigators in the Arkansas valley during the summer months when they needed to run the water.

IRRIGATION DIVISION II

BACA COUNTY

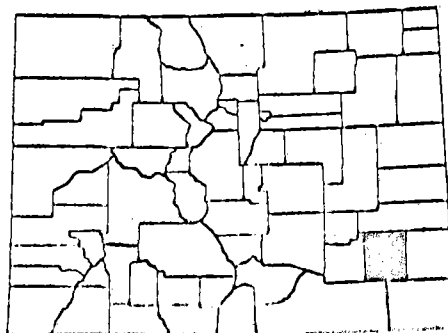
MAJOR CITY	Springfield
1970 POPULATION	5,516
URBAN POPULATION	No city over 2,500
RURAL POPULATION	5,516
COUNTY AREA	2,565 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	4,356
MAJOR STREAM	Carrizo
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	56,910
AVERAGE GROWING SEASON	169 days
ANNUAL MEAN TEMPERATURE	52.20
AVERAGE ANNUAL RAINFALL	14.73 inches
AVERAGE ANNUAL SNOWFALL	27.7 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	750
WATER RESOURCE PROJECTS	Underground Water
LAND OWNERSHIP	
PRIVATE	1,736,612 Acres
FEDERAL	205,500 Acres
STATE	42,928 Acres
COUNTY AND MUNICIPAL	86 Acres



IRRIGATION DIVISION II

BENT COUNTY

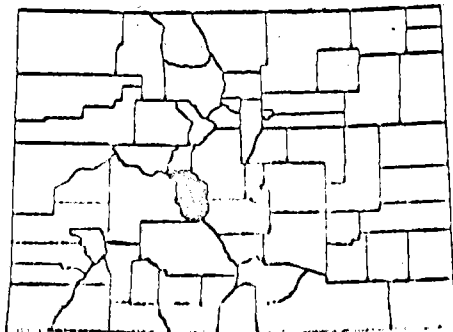
MAJOR CITY	Las Animas
1970 POPULATION	6,343
URBAN POPULATION	2,955
RURAL POPULATION	3,388
COUNTY AREA	1,517 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	3,901
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	Purgatoire
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	45,292
AVERAGE GROWING SEASON	158 Days
ANNUAL MEAN TEMPERATURE	51.3
AVERAGE ANNUAL RAINFALL	12.25 inches
AVERAGE ANNUAL SNOWFALL	21.0 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	450
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	939,722 Acres
FEDERAL	10,233 Acres
STATE	142,673 Acres
COUNTY AND MUNICIPAL	147 Acres



IRRIGATION DIVISION II

CHAFFEE COUNTY

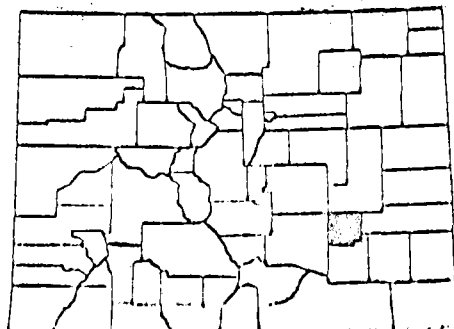
MAJOR CITY	Salida
1970 POPULATION	9,663
URBAN POPULATION	4,322
RURAL POPULATION	5,341
COUNTY AREA	1,039 Sq. Miles
TERRAIN	Mountainous
ELEVATION (MAJOR CITY)	7,036
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	So. Arkansas
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	16,216
AVERAGE GROWING SEASON	112 Days
ANNUAL MEAN TEMPERATURE	46.3
AVERAGE ANNUAL RAINFALL	10.87 inches
AVERAGE ANNUAL SNOWFALL	46.2 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	170
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	128,736 Acres
FEDERAL	502,651 Acres
STATE	20,103 Acres
COUNTY AND MUNICIPAL	3,511 Acres



IRRIGATION DIVISION II

CROWLEY COUNTY

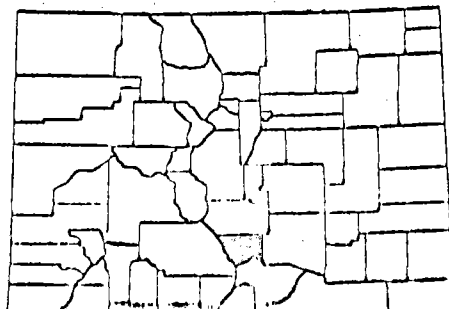
MAJOR CITY	Ordway
1970 POPULATION	2,947
URBAN POPULATION	No City over 2,500
RURAL POPULATION	2,947
COUNTY AREA	803 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	4,312
MAJOR STREAM	Horse Creek
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	25,010
AVERAGE GROWING SEASON	162 days
ANNUAL MEAN TEMPERATURE	51.4
AVERAGE ANNUAL RAINFALL	12.31 Inches
AVERAGE ANNUAL SNOWFALL	21.2 Inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	400
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	531,034 Acres
FEDERAL	5,054 Acres
STATE	52,711 Acres
COUNTY AND MUNICIPAL	897 Acres



IRRIGATION DIVISION II

CUSTER COUNTY

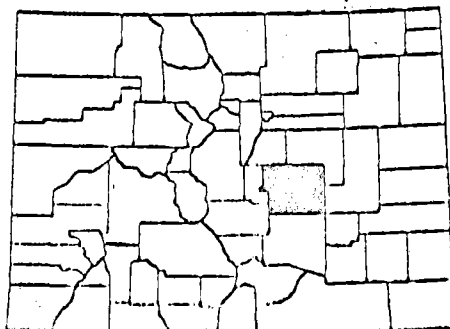
MAJOR CITY	Westcliffe
1970 POPULATION	1,028
URBAN POPULATION	No City over 2,500
RURAL POPULATION	1,028
COUNTY AREA	737 Sq. Miles
TERRAIN	Mountain Valley
ELEVATION (MAJOR CITY)	7,888
MAJOR STREAM	Grape
MAJOR TRIBUTARY	Texas
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	15,930
AVERAGE GROWING SEASON	86 days
ANNUAL MEAN TEMPERATURE	43.7
AVERAGE ANNUAL RAINFALL	16.47 inches
AVERAGE ANNUAL SNOWFALL	88.1 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	180
WATER RESOURCE PROJECTS	U.S.G.S. Under-ground Study
LAND OWNERSHIP	
PRIVATE	298,001 Acres
FEDERAL	186,695 Acres
STATE	11,989 Acres
COUNTY AND MUNICIPAL	452 Acres



IRRIGATION DIVISION II

EL PASO COUNTY

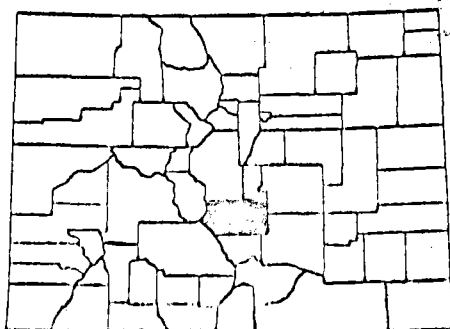
MAJOR CITY	Colorado Springs
1970 POPULATION	229,113
URBAN POPULATION	200,145
RURAL POPULATION	27,968
COUNTY AREA	2,158 Sq. Miles
TERRAIN	Foothills
ELEVATION (MAJOR CITY)	6,012
MAJOR STREAM	Fountain
MAJOR TRIBUTARY	Monument
MAJOR WATER USE	Commerical & Irrig.
IRRIGATED ACRES	13,630
AVERAGE GROWING SEASON	148 days
ANNUAL MEAN TEMPERATURE	48.0
AVERAGE ANNUAL RAINFALL	14.49 inches
AVERAGE ANNUAL SNOWFALL	35.0 inches
MAJOR SOURCE INCOME	Military, Manufacturing
NUMBER OF FARMS	750
WATER RESOURCE PROJECTS	Blue River, Frying- Pan; Homestake
LAND OWNERSHIP	
PRIVATE	981,504 Acres
FEDERAL	187,866 Acres
STATE	192,482 Acres
COUNTY AND MUNICIPAL	14,839 Acres



IRRIGATION DIVISION II

FREMONT COUNTY

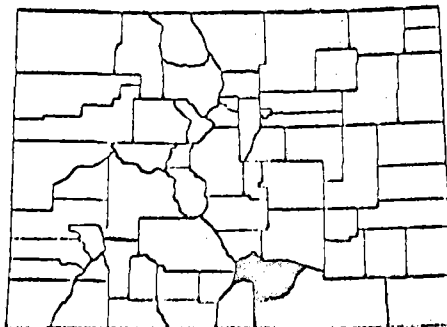
MAJOR CITY	Canon City
1970 POPULATION	20,220
URBAN POPULATION	11,917
RURAL POPULATION	8,303
COUNTY AREA	1,562 Sq. Miles
TERRAIN	Foothills
ELEVATION (MAJOR CITY)	5,332
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	Grape
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	14,930
AVERAGE GROWING SEASON	164 days
ANNUAL MEAN TEMPERATURE	54.1
AVERAGE ANNUAL RAINFALL	12.66 inches
AVERAGE ANNUAL SNOWFALL	35.6 inches
MAJOR SOURCE INCOME	Agriculture, Industry
NUMBER OF FARMS	421
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	523,202 Acres
FEDERAL	441,445 Acres
STATE	65,326 Acres
COUNTY AND MUNICIPAL	7,785 Acres



IRRIGATION DIVISION II

HUERFANO COUNTY

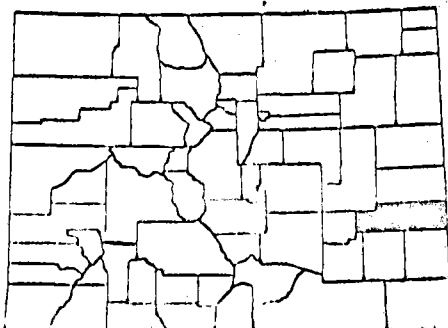
MAJOR CITY	Walsenburg
1970 POPULATION	6,410
URBAN POPULATION	4,227
RURAL POPULATION	2,133
COUNTY AREA	1,578 Sq. Miles
TERRAIN	Mesa, Tableland
ELEVATION (MAJOR CITY)	6,185
MAJOR STREAM	Huerfano
MAJOR TRIBUTARY	Cucharas
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	11,453
AVERAGE GROWING SEASON	151 days
ANNUAL MEAN TEMPERATURE	50.2
AVERAGE ANNUAL RAINFALL	14.13 inches
AVERAGE ANNUAL SNOWFALL	69.0 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	280
WATER RESOURCE PROJECTS	None
LAND OWNERSHIP	
PRIVATE	747,000 Acres
FEDERAL	211,670 Acres
STATE	43,525 Acres
COUNTY AND MUNICIPAL	320 Acres



IRRIGATION DIVISION II

KIOWA COUNTY

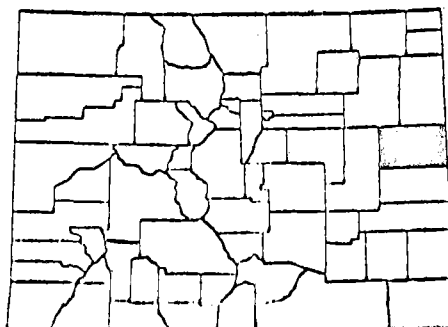
<u>MAJOR CITY</u>	<u>Eads</u>
<u>1970 POPULATION</u>	<u>2,006</u>
<u>URBAN POPULATION</u>	<u>No City over 2,500</u>
<u>RURAL POPULATION</u>	<u>2,006</u>
<u>COUNTY AREA</u>	<u>1,792 Sq. Miles</u>
<u>TERRAIN</u>	<u>Plains</u>
<u>ELEVATION (MAJOR CITY)</u>	<u>4,213</u>
<u>MAJOR STREAM</u>	<u>Big Sandy</u>
<u>MAJOR TRIBUTARY</u>	<u>None</u>
<u>MAJOR WATER USE</u>	<u>Irrigation</u>
<u>IRRIGATED ACRES</u>	<u>5,127</u>
<u>AVERAGE GROWING SEASON</u>	<u>156 days</u>
<u>ANNUAL MEAN TEMPERATURE</u>	<u>51.0</u>
<u>AVERAGE ANNUAL RAINFALL</u>	<u>13.78 inches</u>
<u>AVERAGE ANNUAL SNOWFALL</u>	<u>22.3 inches</u>
<u>MAJOR SOURCE INCOME</u>	<u>Agriculture</u>
<u>NUMBER OF FARMS</u>	<u>350</u>
<u>WATER RESOURCE PROJECTS</u>	<u>None</u>
<u>LAND OWNERSHIP</u>	
PRIVATE	1,413,911 Acres
FEDERAL	3,975 Acres
STATE	70,893 Acres
COUNTY AND MUNICIPAL	365 Acres



IRRIGATION DIVISION II

KIT CARSON COUNTY

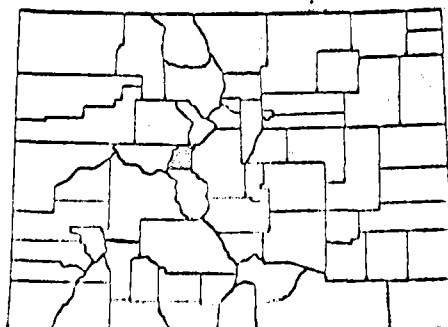
MAJOR CITY	Burlington
1970 POPULATION	7,379
URBAN POPULATION	2,784
RURAL POPULATION	4,595
COUNTY AREA	1,171 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	4,163
MAJOR STREAM	Republican
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	56,576
AVERAGE GROWING SEASON	154 days
ANNUAL MEAN TEMPERATURE	50.3
AVERAGE ANNUAL RAINFALL	16.35 inches
AVERAGE ANNUAL SNOWFALL	22.7 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	840
WATER RESOURCE PROJECTS	None
LAND OWNERSHIP	
PRIVATE	1,324,600 Acres
FEDERAL	292 Acres
STATE	56,486 Acres
COUNTY AND MUNICIPAL	985 Acres



IRRIGATION DIVISION II

LAKE COUNTY

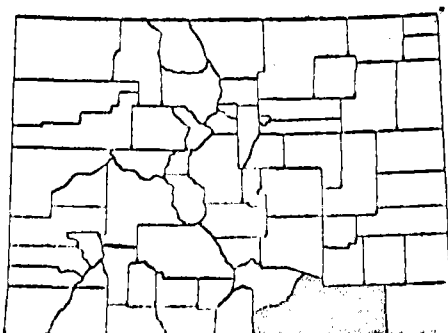
MAJOR CITY	Leadville
1970 POPULATION	8,138
URBAN POPULATION	4,265
RURAL POPULATION	3,873
COUNTY AREA	380 Sq. Miles
TERRAIN	Mountainous
ELEVATION (MAJOR CITY)	10,152
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	Lake Fork
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	6,036
AVERAGE GROWING SEASON	82 days
ANNUAL MEAN TEMPERATURE	37.3
AVERAGE ANNUAL RAINFALL	18.45 inches
AVERAGE ANNUAL SNOWFALL	124.7 inches
MAJOR SOURCE INCOME	Mining
NUMBER OF FARMS	17
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	71,342 Acres
FEDERAL	198,844 Acres
STATE	1,795 Acres
COUNTY AND MUNICIPAL	1,620 Acres



IRRIGATION DIVISION II

LAS ANIMAS COUNTY

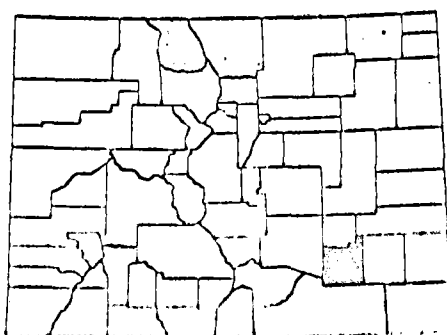
MAJOR CITY	Trinidad
1970 POPULATION	15,291
URBAN POPULATION	9,721
RURAL POPULATION	5,570
COUNTY AREA	4,793 Sq. Miles
TERRAIN	Foothills
ELEVATION (MAJOR CITY)	6,025
MAJOR STREAM	Purgatoire
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	19,463
AVERAGE GROWING SEASON	156 days
ANNUAL MEAN TEMPERATURE	50.4
AVERAGE ANNUAL RAINFALL	15.03 inches
AVERAGE ANNUAL SNOWFALL	47.7 inches
MAJOR SOURCE INCOME	Agriculture, Coal Mining
NUMBER OF FARMS	200
WATER RESOURCE PROJECTS	Trinidad Dam
LAND OWNERSHIP	
PRIVATE	3,179,204 Acres
FEDERAL	151,214 Acres
STATE	163,997 Acres
COUNTY AND MUNICIPAL	3,482 Acres



IRRIGATION DIVISION II

OTERO COUNTY

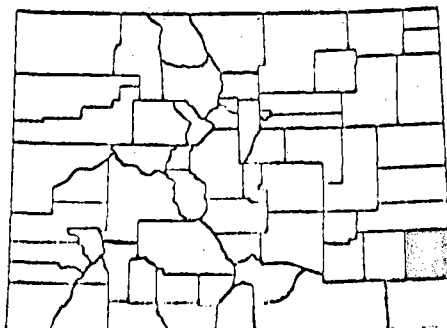
MAJOR CITY	La Junta
1970 POPULATION	22,824
URBAN POPULATION	12,514
RURAL POPULATION	10,310
COUNTY AREA	1,267 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	La Junta
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	Horse Creek
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	57,675
AVERAGE GROWING SEASON	162 days
ANNUAL MEAN TEMPERATURE	52.0
AVERAGE ANNUAL RAINFALL	12.31 inches
AVERAGE ANNUAL SNOWFALL	26.7 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	690
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	506,310 Acres
FEDERAL	169,004 Acres
STATE	120,572 Acres
COUNTY AND MUNICIPAL	2,050 Acres



IRRIGATION DIVISION II

PROWERS COUNTY

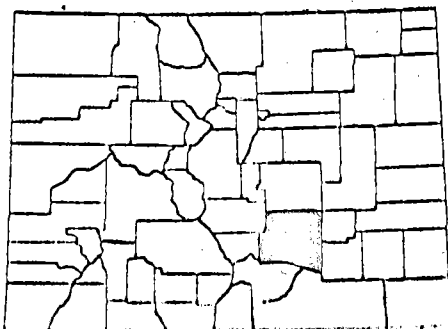
MAJOR CITY	Lamar
1970 POPULATION	12,877
URBAN POPULATION	7,510
RURAL POPULATION	5,367
COUNTY AREA	1,626 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	3,622
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation
IRRIGATED ACRES	93,004
AVERAGE GROWING SEASON	163 days
ANNUAL MEAN TEMPERATURE	52.0
AVERAGE ANNUAL RAINFALL	15.20 inches
AVERAGE ANNUAL SNOWFALL	26.0 inches
MAJOR SOURCE INCOME	Agriculture
NUMBER OF FARMS	469
WATER RESOURCE PROJECTS	None
LAND OWNERSHIP	
PRIVATE	996,952 Acres
FEDERAL	1,064 Acres
STATE	44,667 Acres
COUNTY AND MUNICIPAL	1,794 Acres



IRRIGATION DIVISION II

PUEBLO COUNTY

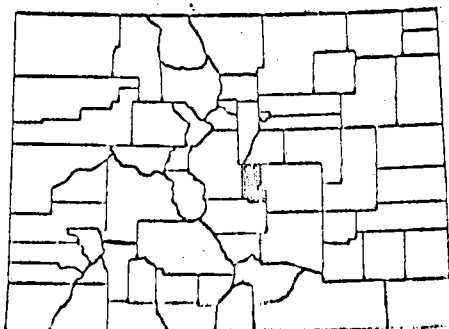
MAJOR CITY	Pueblo
1970 POPULATION	117,212
URBAN POPULATION	106,565
RURAL POPULATION	10,556
COUNTY AREA	2,401 Sq. Miles
TERRAIN	Plains
ELEVATION (MAJOR CITY)	4,696
MAJOR STREAM	Arkansas
MAJOR TRIBUTARY	Fountain
MAJOR WATER USE	Irrigation, Industry
IRRIGATED ACRES	35,749
AVERAGE GROWING SEASON	169 days
ANNUAL MEAN TEMPERATURE	51.2
AVERAGE ANNUAL RAINFALL	12.14 inches
AVERAGE ANNUAL SNOWFALL	31.3 inches
MAJOR SOURCE INCOME	Industry
NUMBER OF FARMS	469
WATER RESOURCE PROJECTS	Frying-pan
LAND OWNERSHIP	
PRIVATE	1,173,389 Acres
FEDERAL	76,712 Acres
STATE	232,519 Acres
COUNTY AND MUNICIPAL	3,045 Acres



IRRIGATION DIVISION II

TELLER COUNTY

MAJOR CITY	Cripple Creek
1970 POPULATION	3,033
URBAN POPULATION	No City over 2,500
RURAL POPULATION	3,033
COUNTY AREA	554 Sq. Miles
TERRAIN	Mountainous
ELEVATION (MAJOR CITY)	9,949
MAJOR STREAM	Four Mile
MAJOR TRIBUTARY	None
MAJOR WATER USE	Irrigation, Commercial
IRRIGATED ACRES	865
AVERAGE GROWING SEASON	68 days
ANNUAL MEAN TEMPERATURE	NA
AVERAGE ANNUAL RAINFALL	NA
AVERAGE ANNUAL SNOWFALL	NA
MAJOR SOURCE INCOME	Tourism, Agriculture
NUMBER OF FARMS	10
WATER RESOURCE PROJECTS	None
LAND OWNERSHIP	
PRIVATE	195,257 Acres
FEDERAL	156,671 Acres
STATE	8,755 Acres
COUNTY AND MUNICIPAL	5,598 Acres



COUNTY	LAND AREA (1000 A.)	NO. OF FARMS	LAND IN FARMS (1000 A.)		LAND IRRIGATED ACRES		WHEAT		OATS
			TOTAL	CROP LAND	FARMS	FARMS	WINTER	SPRING	
Baca	1642	750	1430	847	171	56,910	42,000	250	---
Bent	971	450	917	145	301	45,292	9,000	50	230
Chaffee	665	170	160	24	121	16,126	---	---	200
Crowley	514	400	490	105	287	25,010	1,150	80	90
Custer	472	180	280	28	85	15,930	160	50	650
El Paso	1381	750	1050	200	121	13,630	17,000	450	1800
Fremont	1000	550	493	30	421	13,920	550	30	80
Huerfano	1010	280	800	48	138	11,453	3,300	10	220
Kiowa	1147	350	1080	600	15	5,127	38,000	300	---
Kit Carson	1389	840	1340	776	213	56,576	165,000	300	900
Lake	243	17	28	6	10	6,036	---	---	---
Las Animas	3068	600	2781	130	227	19,463	3,940	70	290
Otero	811	690	630	87	539	57,675	3,400	100	460
Prowers	1041	729	1030	530	430	93,044	30,500	---	130
Pueblo	1537	800	1362	151	469	35,749	11,000	160	350
Teller	355	70	155	8	10	865	---	---	---

CORN GRAIN	CORN SILAGE	SORGUMS		SUGAR BEETS	DRY BEANS	POTATOES	BROOM CORN	ALFALFA	WILD HAY	ALL HAY	BARLEY
		GRAIN	SILAGE								
10,500	200	90,000	49,500	1,640	100	100	35,700	2,100	100	7,900	600
1,100	1,000	17,500	7,300	460	---	40	---	23,500	250	25,150	370
---	---	---	---	---	---	---	---	5,800	480	9,280	100
1,700	2,900	9,600	740	550	750	20	---	12,500	650	13,750	80
---	50	---	130	---	---	---	---	2,300	---	28,300	210
3,300	4,000	3,400	2,100	---	---	---	---	12,500	3,500	22,900	600
280	280	100	170	---	---	---	---	5,000	850	8,350	270
50	100	---	280	---	---	10	10	5,100	800	7,400	250
190	110	38,000	15,600	50	---	---	---	800	500	10,000	---
27,300	9,000	15,000	22,300	2,200	1,900	---	---	5,200	1,300	20,500	1,400
---	---	---	---	---	---	---	---	---	1,300	1,900	---
700	660	---	4,720	---	---	---	200	12,000	950	12,850	140
4,600	5,700	---	1,660	1,100	660	---	---	14,500	50	15,150	720
1,100	1,500	95,600	41,010	2,430	50	20	100	35,500	---	37,200	---
4,900	1,800	---	4,790	1,390	12,600	100	---	13,500	---	17,950	1,250
---	---	---	---	---	---	---	---	50	550	2,000	---

ADMINISTRATIVE WATER YEAR 1976

Pertinent Basin Yield Statistics for Arkansas Drainage in Colorado Div. 2

Recorded Flow at Arkansas - Las Animas	73,009	A.F.
Estimated Depletion by Irrigation above gage 1.5 A.F./Acre x 412,000 Acres - 618,000 A.F.	618,000	A.F.
Recorded Flow at Purgatoire River - Las Animas	12,352	A.F.
Estimated Depletion by Irrigation above gage 1.5 A.F./Acre x 36,000 Acres - 54,000 Acres	54,000	A.F.
Basin Yield including 78,948 A.F. Transmountain Import	757,361	A.F.
Less	78,948	A.F.
Native Basin Yield above Confluence of Arkansas and Purgatoire River	678,413	A.F.
Total Diversion in Division 2 (except Dist. 66)	1,415,176	A.F.

Commentary on Basin Yield and Water Budget Data

In Water Year 1976, the native basin yield for the Arkansas Basin above the confluence of the Purgatoire (including the Purgatoire River) was 678,413 A.F. The average precipitation over the area (17,920 square miles of 11,368,800 acres) was 12.62 inches. This gives a total precipitation of 11,956,187 A.F. for the basin. Of this 11,956,187 A.F., only 6,784.13 A.F. (5.67%) is accounted for in streamflow; the remaining 94.33% is either evaporated, transpired, or retained in the soil.

The diverted water of 1,415,176 A.F., when compared with native basin yield plus transmountain imported water of 78,948 A.F. indicates the water was used 1.87 times.

COMPARATIVE WATER YEAR 1975, 1976 DATA

	<u>1975</u>	<u>1976</u>
Basin Yield Including Transmountain	756,556	757,361 A.F.
Total Diverted (excluding W.D. 66)	1,686,718	1,415,176 A.F.
Average Precipitation	10.89 Inch	12.62 Inch

DIVERSION DATA

Recorded Diversion by Municipalities: Water Year 1976

Municipal Diversion, Colorado Springs	16,501	
Municipal Diversion, Canon City	11,892	
Municipal Diversion, Pueblo	25,044	
Other	1,170	
Total Recorded Municipal Diversion	<u>54,607</u>	A.F.

Estimated Return Flow	<u>25,495</u>	
Estimated Depletion by Municipalities	29,112	A.F.

Recorded Diversion by Industrial Use

Diversion by Minnequa Canal	93,592	
C.F. & I. Diversion from St. Charles	9,675	
Other	6,000	
Total Industrial Diversion	<u>109,267</u>	A.F.

Estimated Return Flow	<u>80,042</u>	
Estimated Depletion by Industry	29,225	A.F.

Recorded Diversion by Irrigation

Water District 10	37,696	
Water District 11	124,525	
Water District 12	206,978	
Water District 13	36,565	
Water District 14	191,741	
Water District 15	12,638	
Water District 16	34,452	
Water District 17	464,053	
Water District 18	3,867	
Water District 19	37,836	
Water District 66	1,996	
Water District 67	89,940	
Total Irrigation Diversion	<u>1,242,287</u>	A.F.

DIVISION SUMMARY DIVISION NO. 2
Direct Flow Diversions 1976

W.D.	Active	Inactive N.A. N.U.	# Ditches Admin. Close Freq.		Irr. Direct Diver. A.F.	# Acres Irrig.	A.F. Per Acre	Rec. & Ind. Use Diver. A.F.	Municipal Diver. A.F.	T. Mtn. Diver. A.F.	Total Diver. A.F.
10	45	205	40	4	37,696	10,730	3.51	377	17,671	13,819	55,744
11	167	138	167	0	124,525	16,950	7.35				124,525
12	239	93	189	52	206,978	17,606	11.76	93,592	11,892		312,462
13	500	53	361	45	36,565	16,902	2.16				36,565
14	40	25	34	3	191,741	102,549	1.87	8,377	25,044		225,162
15	82	42	63	18	12,638	4,654	2.72	9,675	592		22,905
16	244	169	208	37	34,452	29,458	1.17	3,822			38,274
17	44	62	33	7	464,053	363,864	1.28				464,053
18	27	24	25	0	3,867	7,550	0.51	197			4,064
19	105	137	92	13	37,836	10,345	3.66		3,646		41,482
66	7	8	7		1,996	489	4.08				1,996
67	38	108	33	6	89,940	76,348	1.18				89,940
TOTAL	1,538	1064	1252	185	1,242,287	657,445	1.90	116,040	58,845		1,417,172

TRANSMOUNTAIN DIVERSION

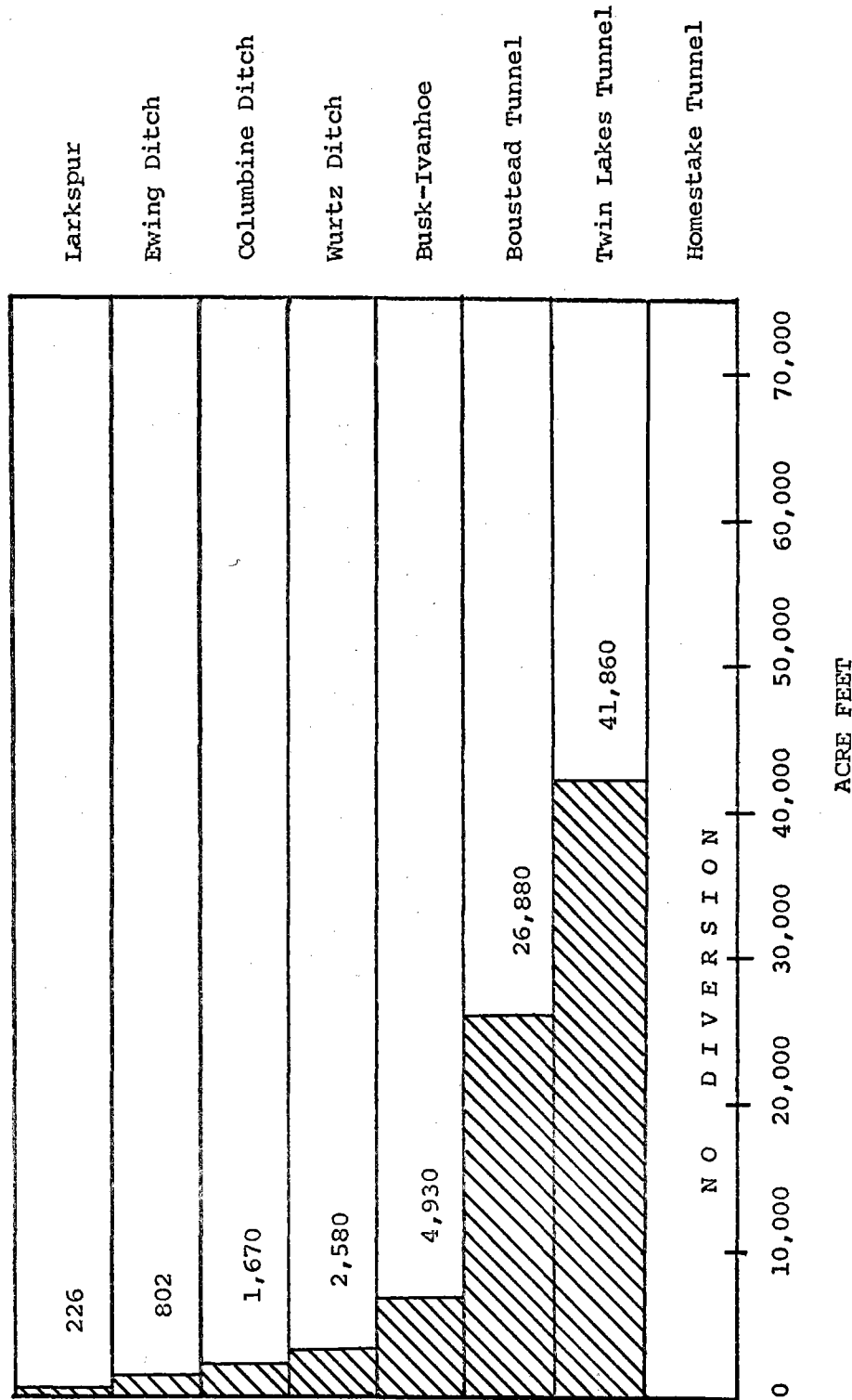
DIVISION NO. 2

Tabulation 1976

<u>NAME</u>	<u>SOURCE</u>	<u>RECIPIENT</u>	<u>AMOUNT DIVERTED</u>	
			<u>10/1/75</u>	<u>to 9/30/76</u>
Homestake Tunnel	Middle Fork Homestake Creek Div. No. 5	Cities of Colorado Springs and Aurora	0	
Wurtz Ditch	Eagle River Div. No. 5	City of Pueblo	2,580 A.F.	
Ewing Ditch	Piney Creek	City of Pueblo	802 A.F.	
Columbine Ditch	Eagle River Div. No. 5	City of Pueblo	1,670 A.F.	
Twin Lakes Tunnel	Roaring Fork River Div. No. 5	Twin Lakes Reservoir and Canal Company	41,860 A.F.	
Busk Ivanhoe Tunnel	Ivanhoe Creek Div. No. 5	Highline Canal Co. and City of Pueblo	4,930 A.F.	
Larkspur Ditch	Tomici Creek Div. No. 5	Catlin Canal Co.	226 A.F.	
Boustead Tunnel	Fryingpan River Div. No. 5	U.S.B.R.	26,880 A.F.	
		TOTAL	78,948 A.F.	

TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

SUMMARY OF DIVERSION FOR
WATER YEAR 1976



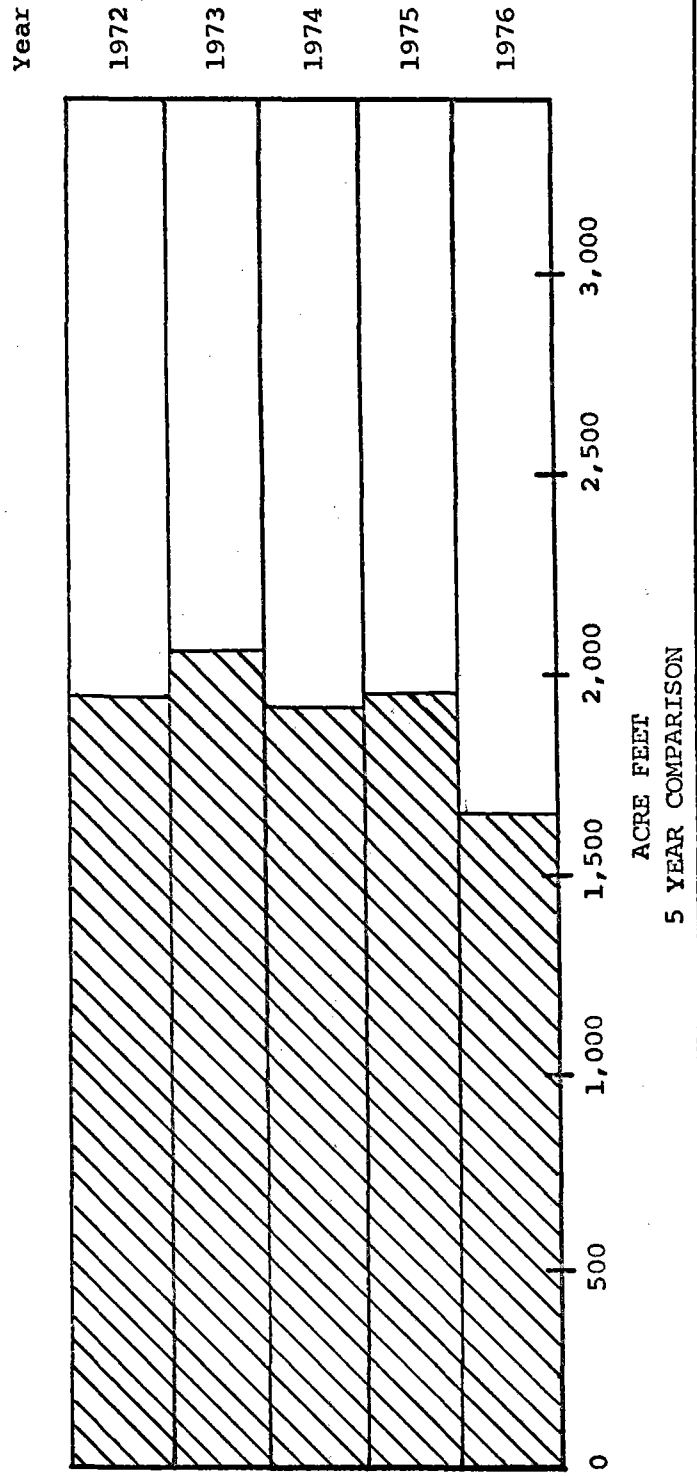
TRANSMOUNTAIN DIVERSION

Division No. 2

COLUMBINE DITCH 1976

Source: Eagle River, Division No. 5

Recipient: City of Pueblo



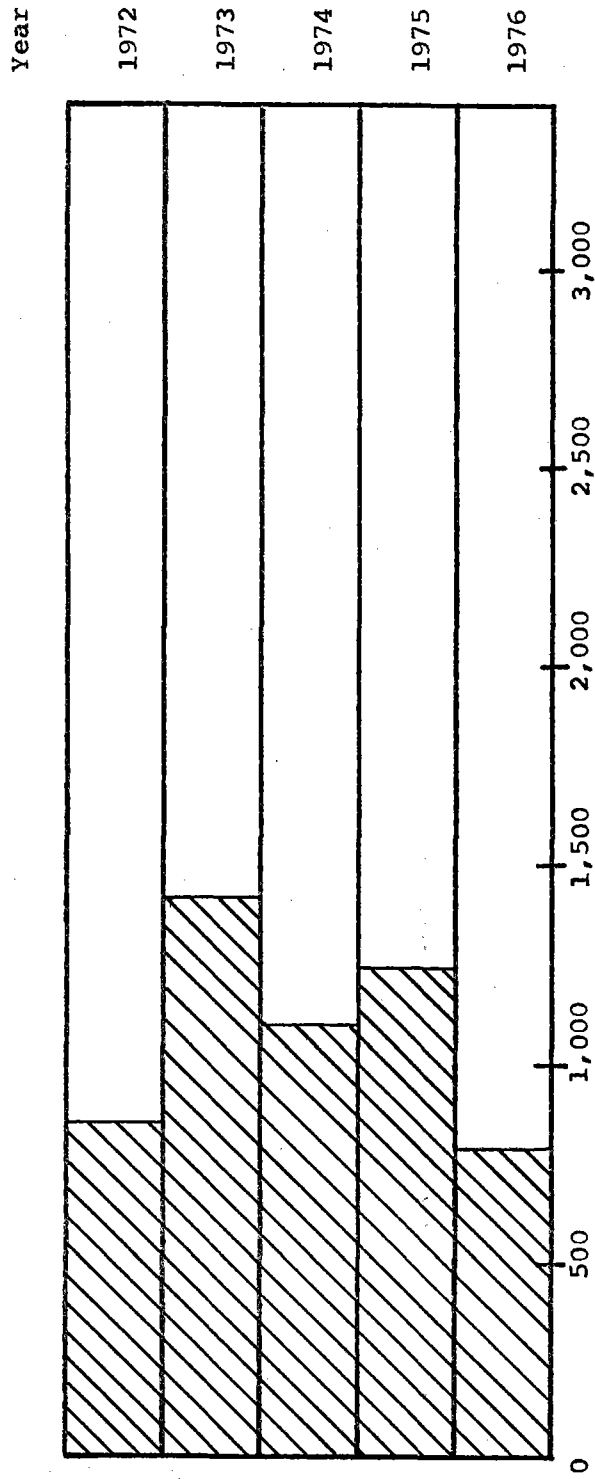
TRANSMOUNTAIN DIVERSION

Division No. 2

EWING DITCH 1976

Source: Piney Creek, Division No. 5

Recipient: City of Pueblo



ACRE FEET

5 YEAR COMPARISON

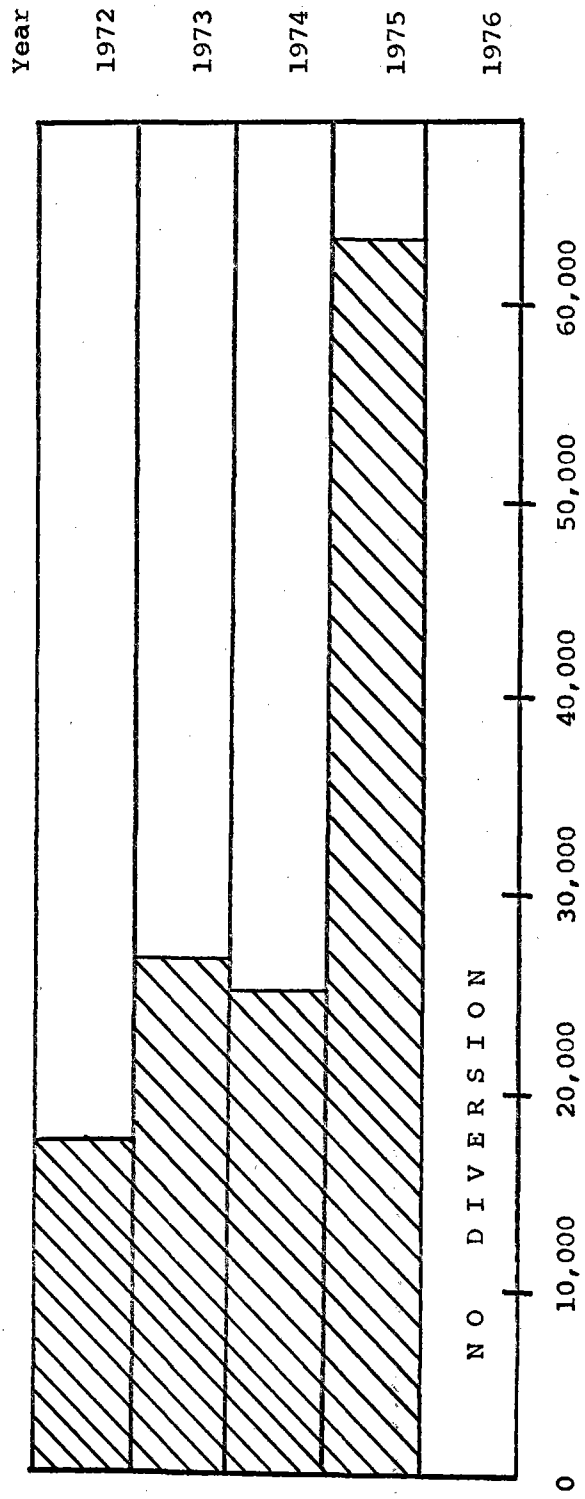
TRANSMOUNTAIN DIVERSION

Division No. 2

HOMESTAKE TUNNEL 1976

Source: Middle Fork Homestake Creek, Division No. 5

Recipient: Cities of Colorado Springs and Aurora



ACRE FEET

5 YEAR COMPARISON

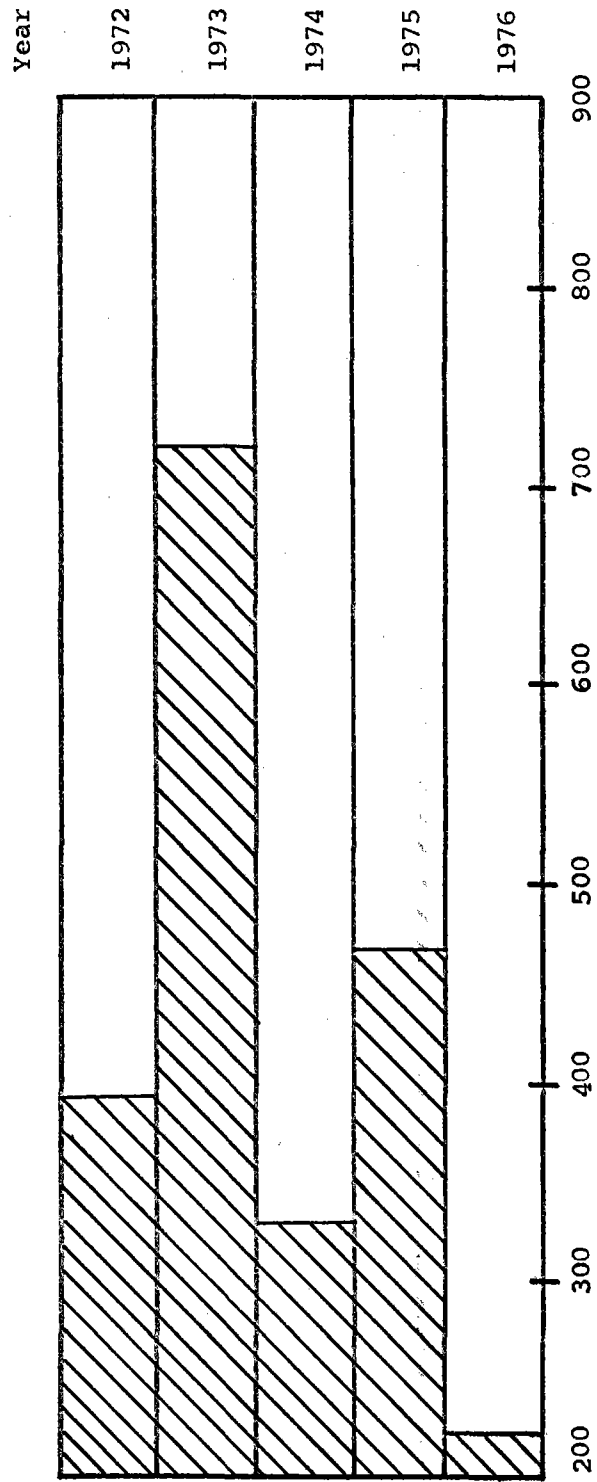
TRANSMOUNTAIN DIVERSION

Division No. 2

LARKSPUR DITCH 1976

Source: Tomici Creek, Division No. 4

Recipient: Catlin Canal Company



ACRE FEET

5 YEAR COMPARISON

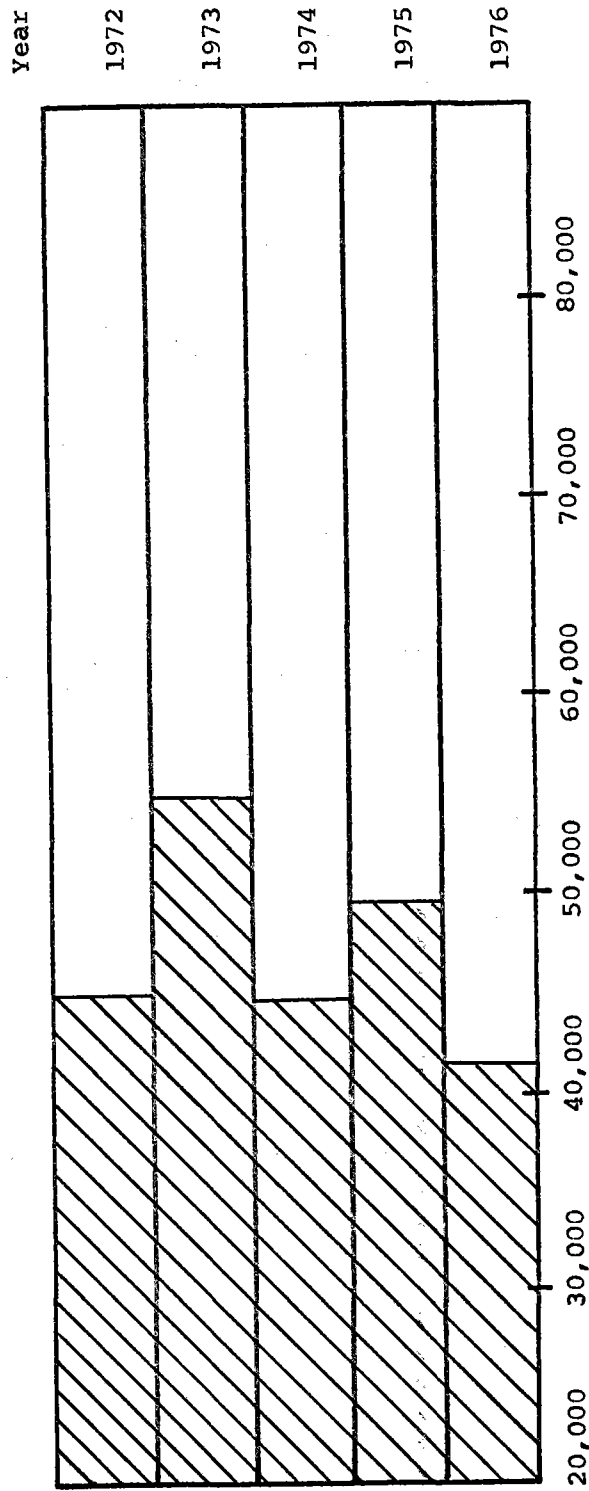
TRANSMOUNTAIN DIVERSION

Division No. 2

TWIN LAKES TUNNEL 1976

Source: Roaring Fork River, Division No. 5

Recipient: Twin Lakes Reservoir and Canal Company



ACRE FEET

5 YEAR COMPARISON

TRANSMOUNTAIN DIVERSION

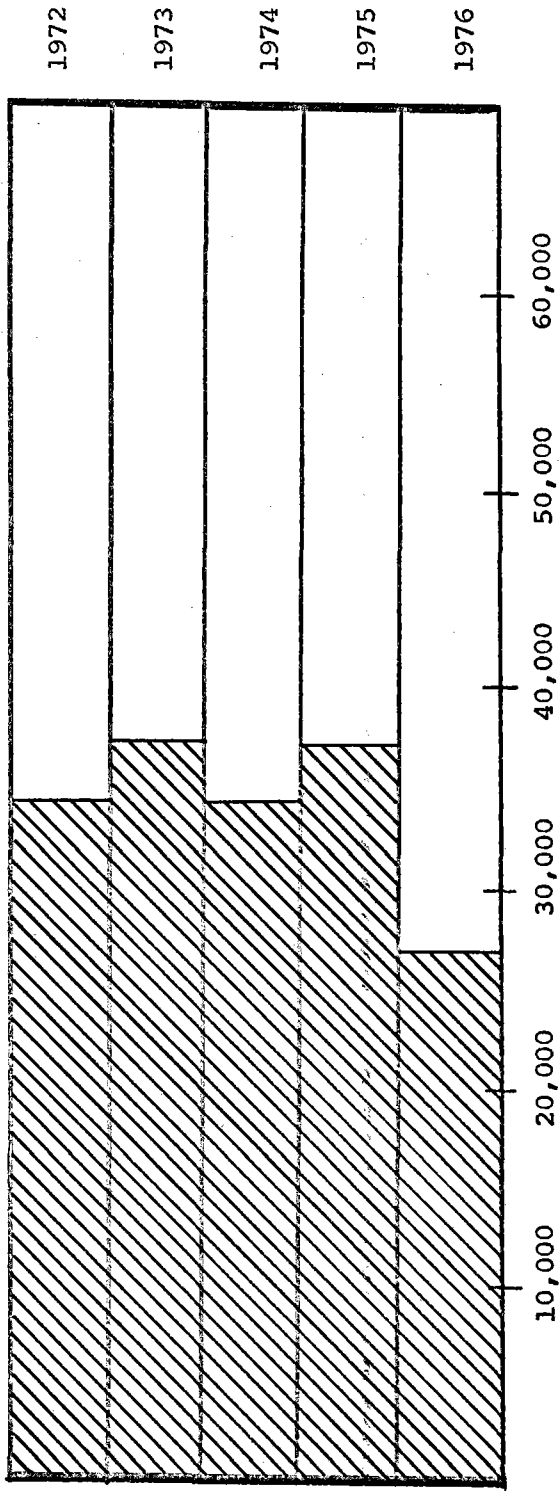
Division No. 2

BOUSTEAD TUNNEL 1976

Source: Fryingspan River

Recipient: U.S.B.R.

Year



ACRE FEET

5 YEAR COMPARISON

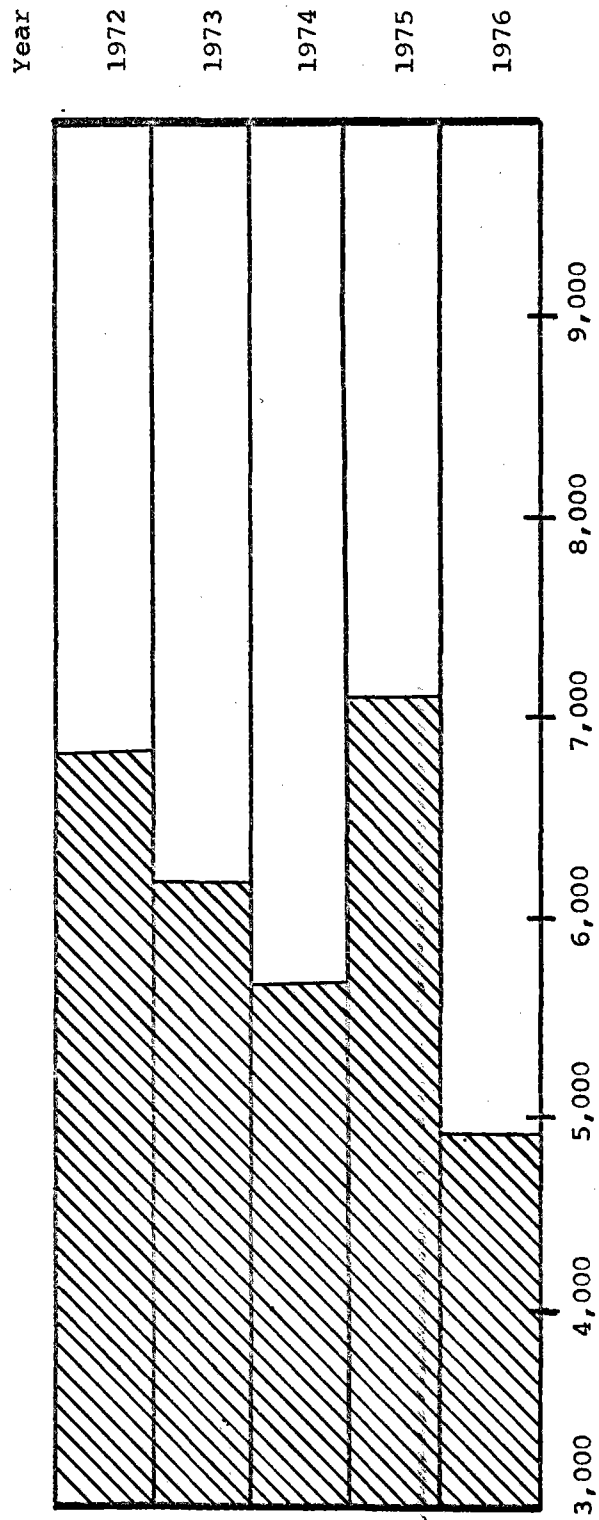
TRANSMOUNTAIN DIVERSION

Division No. 2

BUSK IVANHOE 1976

Source: Ivanhoe Creek, Division No. 5

Recipient: Highline Canal Company & City of Pueblo



ACRE FEET

5 YEAR COMPARISON

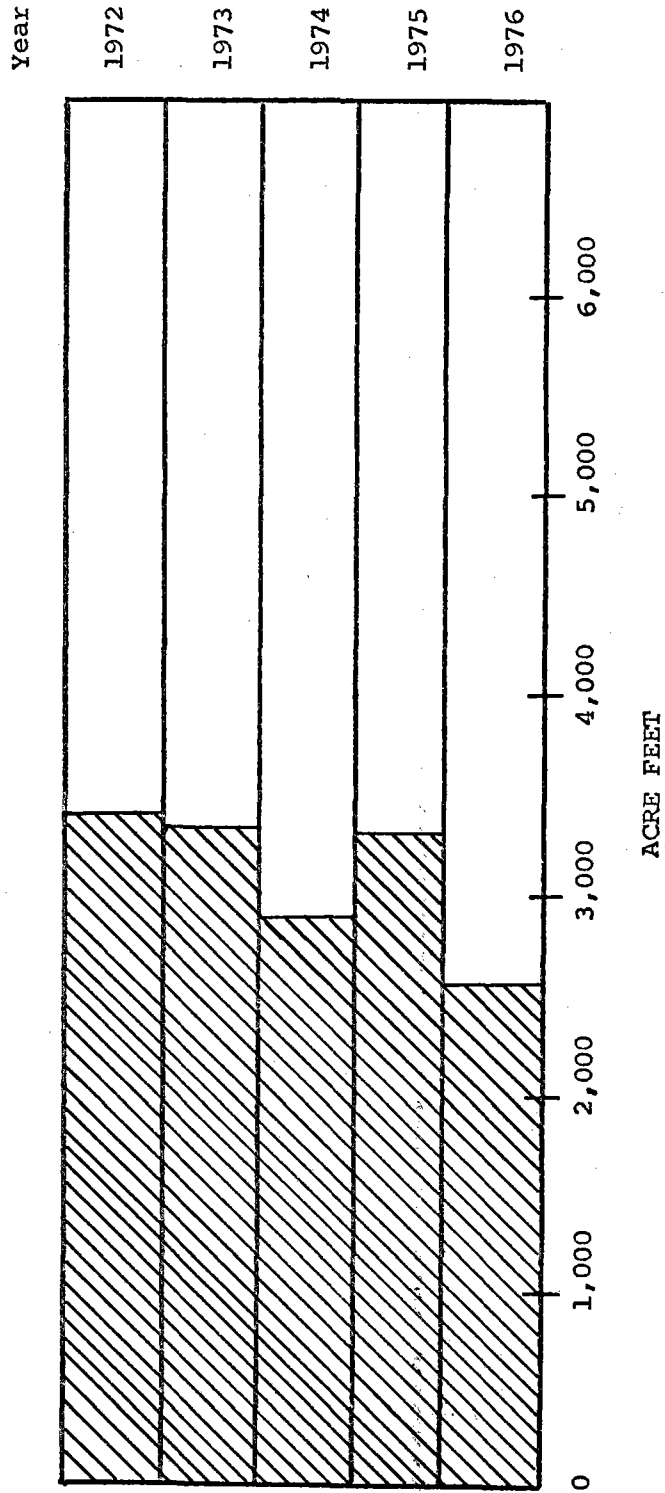
TRANSMOUNTAIN DIVERSION

Division No. 2

WURTZ DITCH 1976

Source: Eagle River, Division No. 5

Recipient: City of Pueblo



5 YEAR COMPARISON

PRECIPITATION

Rainfall was somewhat below normal on the main stem of the Arkansas and above normal on the Purgatoire. The runoff on the main stem above John Martin Dam was less than last year while the runoff on the Purgatoire was five times that of last year. In general, this year was somewhat dryer than normal, but crop yields were above average due partly to Winter Storage.

FLOODS

There were two noteworthy floods last year. One was on the Arkansas and occurred on August 2, 1976. Pueblo Dam prevented any significant damage from resulting from this flood. The other was on the Purgatoire and occurred on July 21, 1976. Trinidad Dam prevented any significant damage which might have resulted from this flood.

DAMS

The dam inspection unit from Denver was busy in Division 2. The total number of inspections number 166. Of this total number inspected, 123 were inspected by the Water Commissioners and 43 were inspected by the Dam Inspection Personnel from Denver.

IRRIGATION DIVISION NO. 2

STATION	WATER CONTENT % NORMAL - MARCH 1976	SNOW DEPTH	WATER CONTENT MARCH 1, 1976	AVERAGE INCHES
Bigelow Divide	133%	18"	5.8	5.1
Cooper Hill	127%	41"	10.2	9.0
East Fork	126%	33"	9.4	8.0
Four Mile Park	20%	24"	5.3	5.1
Fremont Pass	112%	49"	14.4	12.9
Garfield	153%	31"	8.4	11.3
Hermit Lake		25"	7.0	--
Monarch Pass	142%	40"	11.6	14.0
Tennessee Pass	127%	36"	8.7	8.7
Twin Lakes Tunnel	138%	35"	8.4	8.9
Westcliffe		25"	7.0	6.0
Apishapa		19"	5.9	--
Cucharas Creek		26"	6.8	--
La Veta Pass		22"	6.0	7.2
Bourbon		24"	5.8	5.9

Streamflow should be in the near normal range. All the tributary streams as well as the mainstream of the Arkansas are being forecast to flow at least 105%. All other conditions on the Arkansas are poor. Carry-over storage is poor and will be of limited value in augmenting supplies.

PRECIPITATION
IRRIGATION DIVISION #2

STATION	April 1976	DEPART FROM NORMAL	May 1976	DEPART FROM NORMAL	June 1976	DEPART FROM NORMAL	July 1976	DEPART FROM NORMAL	August 1976	DEPART FROM NORMAL	September 1976	DEPART FROM NORMAL
Lamar	1.47	+0.12	2.66	+0.13	2.33	+0.07	1.00	-1.33	0.53	-1.81	2.75	+1.16
Leadville									2.25		1.23	
Pueblo	0.88		0.68		1.34		2.08		0.88		2.73	
Trinidad	2.23		1.22		0.71		2.36		1.18		2.06	
Westcliffe	0.72	-1.20	1.30	-0.34	1.17	+0.08	2.21	-0.25	2.67	+0.23	3.25	+2.29
Colorado Spys.	1.63	+0.18	2.09	-0.03	2.46	+0.15	1.75	-1.35	5.94	+3.36	4.28	+3.17

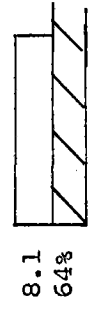
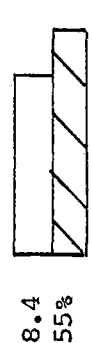
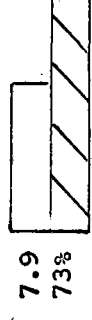
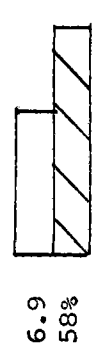
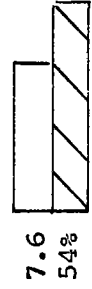
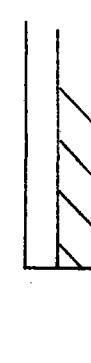
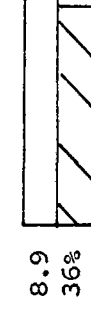
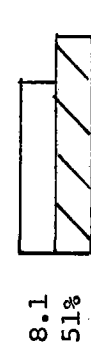
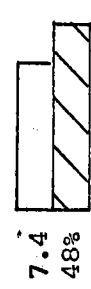
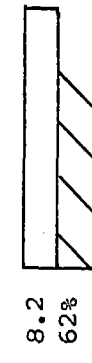
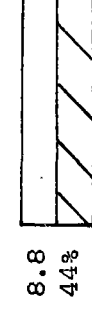
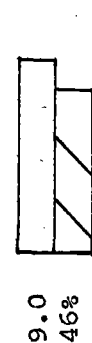
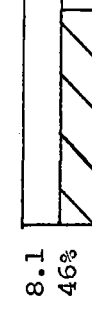
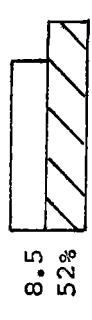
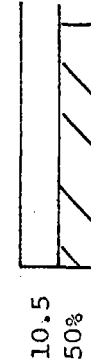
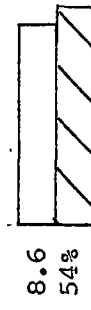
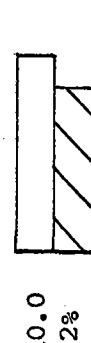
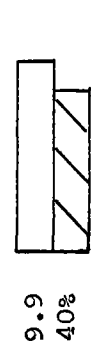
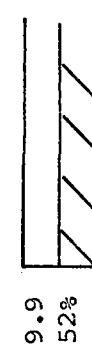
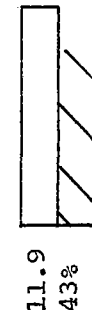
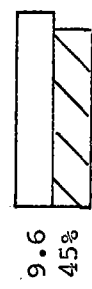
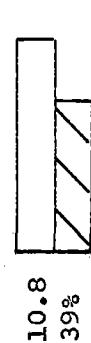
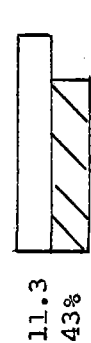
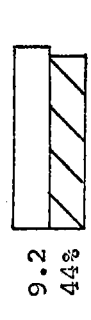
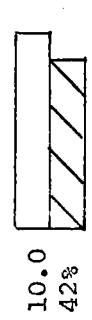
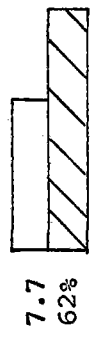
1972

1973

1974

1975

1976



Wind MPH
Relative Humidity%

DAMS
IRRIGATION DIVISION #2

WATER DIST.	NAME OF RESERVOIR	STREAM	DAM HEIGHT	INSPECTION
10	Air Force Academy Dam			Yes
	City of Colo. Spgs. (Prospect, Northfield, #4, North Catamont, So. Catamont, Crystal Cr., Lake Moraine)			Yes
	Fountain Valley	Fountain		Yes
	Keeton Dam	Lit. Fountain	45'-50'	
	Manitou	French Cr.	over 35'	No
	Mesa No. 1&2	Camp Cr.		Yes
	Spring Run #2	Spring Run		Yes
	Townsend Dam & Reservoir	Rock Cr.		Yes
	Woodmoor Country Club #4			Yes
	11	Diamond		
Fooses Creek Dam				Yes
Sugar Loaf		Lake Fork	over 35'	No
Twin Lakes		Lake Cr.	over 35'	Yes
Clear Creek		Clear Cr.	over 35'	No
12	Brush Hollow	Brush Hollow	over 35'	Yes
	Canon City Sed. Pond			Yes
	City of Colo. Spgs. (C.S. No. 1,2,4,5,7, Penrose)			Yes
	Mt. Pisgah	Four Mile	over 35'	Yes
	Park Center #8-10	Four Mile		Yes
13	DeWeese Dye	Grape Cr.	over 35'	No
14	Comanche Reservoir			Yes
	St. Charles Mesa Dam	St. Charles		Yes
	Teller Dam	Turkey Cr.		Yes
	Pueblo Reservoir	Arkansas	190'	No
15	Heyden Beckwith	Greenhorn	over 35'	Yes
	Clennin	Lit. Granerous	over 20'	Yes
	Royce, Gene	Spring	over 15'	Yes
	St. Chas. (aka Lake Isabel)			Yes
	St. Charles #2-3	St. Charles		Yes
16	Andrietta	Bear Cr.	over 20'	Yes
	Bressan #1	Bear Cr.	over 30'	Yes
	Brunelli	Bear Cr.	over 30'	Yes
	Clark #2	Hill Arroya	over 30'	Yes
	Craeger Dam	Huerfano R.	over 30'	Yes
	Cucharas #5	Cucharas R.		Yes
	Daigre	Cucharas R.		Yes
	Holita	Cucharas R.		Yes
	Horseshoe			Yes
	Houchin So.	Spring	over 20'	Yes
	Houchin No.	Spring	over 20'	Yes

WATER DIST.	NAME OF RESERVOIR	STREAM	DAM HEIGHT	INSPECTION
16	Huerfano Valley	Huerfano R.		Yes
	Maria Stevens	Cucharas R.		Yes
	Martin Lakes			Yes
	Orlando	Huerfano		Yes
	Sharps Orchard	Ditch	over 20'	Yes
	Valdez			Yes
	Vertrees	Simpson Arroya	over 10'	Yes
	Walsenburg Water Syst.	Cucharas R.	over 20'	Yes
	Wahatoya	Cucharas		Yes
17	Henry	Arkansas	over 10'	Yes
	Holbrook	Arkansas		Yes
	Karval	Adobe		Yes
	Meredith	Arkansas	over 35'	Yes
	Horse Creek	Arkansas	over 35'	Yes
	Adobe	Arkansas	over 20'	Yes
	Dye	Arkansas	over 20'	Yes
18	Seven Lakes	Las Animas	over 20'	None
19	Model	Las Animas	over 20'	Yes
	North	No. Fork	over 20'	Yes
	Trinidad Dam			No
67	Antelope	Big Sandy	over 35'	Yes
	Dingwell Ditch Reg.	E. Prowers		
		Arroya	over 20'	Yes
	Fort Lyon	Ditch	over 10'	Yes
	Nee Noshe		over 20'	Yes
	Queens a/k/a Nee Skah	Kiowa Cr.	over 20'	Yes
	Ramah	Big Sandy	over 40'	Yes
	S-16	Big Sandy	over 20'	Yes
	Thurston Dam		over 8'	Yes
	Two Buttes	Two Buttes Cr.	over 100'	Yes
Verhoeff	E. Prowers			
	Arroya	over 10'	Yes	
	Wootten Dam			Yes

NAME OF RESERVOIR	SOURCE	AMOUNT OF ACRE FEET		
		NOVEMBER 1, 1975	APRIL 1, 1976	OCTOBER 31, 1976
Ambler Res. No. 2	Unnamed Springs	0	0	0
Callhan Reservoir	Fountain	611	738	738
Crystal Creek Res.	Crystal Creek	0	0	364
Fountain Valley #2	Fountain	744	5,146	948
Fountain Valley #3	Fountain	0	0	0
Manitou Reservoir	No. Branch French Creek	853	853	853
Monument State	Monument Creek	324	324	324
North Catamount	No. Fork Catamount	11,162	10,314	10,866
North Field No. 1		247	237	204
South Catamount	So. Catamount	1,748	1,337	1,072
Spring Run	Spring Run	145	213	181
South Suburban Res.	So. Fork Cheyenne	210	220	198
Clear Creek Res.	Clear Creek	3,675.91	4,709	5,470
O'Haver	Gray's Creek	-	-	-
Sugar Loaf Res.	Lake Fork Creek	72,340	54,479	55,480
Twin Lakes Res.	Lake Creek	19,468	16,423	4,407
Brush Hollow	Beaver Creek		3,623	1,771
Colo. Springs #2	Beaver Creek	541	541	541
Colo. Springs #4	Beaver Creek	1,387	1,701	1,632
Colo. Springs #5	Beaver Creek	1,255	1,754	1,811
Colo. Springs #7	Beaver Creek	13	191	67
Colo. Springs #8	Beaver Creek	501	669	363
Lake Moraine	Beaver Creek	606	667	667
Mt. Pisgah	Four Mile Creek	599	687	687
Rosemont Penrose	Beaver Creek	2,318	2,333	2,435
Skaguay	Beaver Creek	1,593	0	1,593
DeWeese Dye	Grape Creek	1,495	1,763	1,969
Curiton	Springs			
Greenview	Fountain			
H.O.P. Reservoir	Springs			
Pueblo Reservoir	Arkansas	30,682	73,005	47,207

NAME OF RESERVOIR	SOURCE	AMOUNT OF ACRE FEET		AMOUNT OF ACRE FEET	
		NOVEMBER 1, 1975	APRIL 1, 1976	OCTOBER 31, 1976	
Hayden Beckwith	Greenhorn	347	770	588	
Lake Minnequa	St. Charles	981	1,112	1,084	
Reservoir No. 2	St. Charles	2,390	2,379	2,364	
Reservoir No. 3	St. Charles	6,894	7,299	8,015	
Arnold Flood Water	Santa Clara	0	0	0	
Bressan #1	Unnamed Arroya	0			
Bressan #2	Unnamed Arroya	0			
Brunelli #1&2	Bear Creek	10 est.			
Butte	Cucharas	7			
Chicosa #4&5	Huerfano	0			
Coler (Martin Lake)	Cucharas	2,071			
Cucharas Valley	Cucharas	0	0	0	
Dotson	Chicosa Creek	0			
Holita	Cucharas	50 est.	0	0	
Huerfano Valley	Huerfano	1,804.63			
Ia Joya	Cucharas	0			
Maria Stevens	Cucharas	100 est.	0	0	
Martin Reservoir	Cucharas	2,071	2,155	1,906	
Mosco	Poison Canon	0			
Orlando	Huerfano	0			
Sharps Orchid	Cucharas	0			
Sierra Blanca	Decker Creek	0			
Sunnyside	Santa Clara	0			
Valdez	Santa Clara	100 est.			
Vories	Cucharas	0			
Wilson	Sheer Creek	0			
Zan	Apache Creek	0			
Adobe	Arkansas	0	0	0	
Dye	Arkansas	0	1,763	0	
Henry	Arkansas	0	6,418	689	
Holbrook #1	Arkansas	1,007	4,253	0	
Horse Creek	Arkansas	0	5,853	0	

NAME OF RESERVOIR	SOURCE	AMOUNT OF ACRE FEET	AMOUNT OF ACRE FEET	AMOUNT OF ACRE FEET
		NOVEMBER 1, 1975	APRIL 1, 1976	OCTOBER 31, 1976
Hermosa	San Francisco Creek	0	0	0
Monument	Middle Fork Purgatoire	1,266	1,106	1,185
Model	Purgatoire	0	0	0
North	Trinchera	2,917	3,176	3,270
Russel	Chanley Arroya	40	40	40
John Martin	Arkansas	0	10,093	0
Nee Noshee	Arkansas	0	0	0
Nee Skah	Arkansas	0	0	0
Thurston	Arkansas	0	1,556	0
Two Buttes	Two Buttes Creek	8,385	6,866	0

LIVESTOCK WATER TANKS

Applications Filed and Approved:

Water District 10	1
Water District 11	1
Water District 12	23
Water District 13	0
Water District 14	0
Water District 15	0
Water District 16	1
Water District 17	1
Water District 18	1
Water District 19	58
Water District 66	0
Water District 67	7
TOTAL	93

All stock pond permits or applications are forwarded to our district Water Commissioners for site investigation and then for approval.

Last year (1975) the division had 87 applications.

WATER RIGHTS TABULATION

Protests to the tabulation are still coming in, despite passage of legislation putting off last year's deadline. Tabulation in Division 2 is generally in good shape; the biggest questions remain in the area of water rights that were decreed in other than original adjudications and have been administered (apparently since the court awarded them) as though they were decreed in the original instead of a supplemental adjudication. The cases in the Arkansas appear to differ from the case in Water District 47, Division 6 in several areas, so the precedent may not be generally applicable as there has been some interest shown, but, as yet, no case or formal protest as such.

Cards for the W-cases are being prepared as the Judge's rulings come down. So far, no printout has been made, nor has an attempt been made to integrate past S.B. 81 water rights into the pre-S.B. 81 tabulation.

Abandonments compiled by the water commissioners were, to say the least, less than satisfactory. In some cases, water rights were abandoned which had been transferred, and in other cases no apparent reason could be found. There appeared throughout a suspicion that some of the commissioners were not as knowledgeable in the water rights of their districts as at first believed. At the very least, a physical visit to and a record search must be made of each water right abandoned, which may require the services of at least one man.

Cases Filed in the Water Court

The following shows the number of cases filed from November 1969 through June 1976, and also the number of claims.

NOTE: The number of cases is an accurate figure; however, the number of claims is an estimated figure as it is impossible to determine from some applications just how many claims are made, but I state that the figures are reasonably close.

<u>1969</u>			
<u>MONTH</u>	<u>CASE NUMBERS</u>	<u>CASES</u>	<u>CLAIMS</u>
November	W-1 through W-18	18	22
December	W-19 through W-22	4	4
	Sub-total..	22	26

<u>1970</u>			
January	None	0	0
February	W-23	1	4
March	W-24 through W-28	5	25
April	W-29 through W-31	3	7
May	W-32 through W-41	10	14
June	W-42 through W-60	19	105
July	W-61 through W-66	6	22
August	W-67 through W-74	8	15
September	W-75 through W-76	2	5
October	W-77 through W-78	2	2
November	W-79 through W-87	9	11
December	W-88 through W-114	27	62
	Sub-total..	92	272

<u>1971</u>			
January	W-115 through W-123	9	40
February	W-124 through W-146	23	51
March	W-147 through W-195	49	90
April	W-196 through W-241	46	80
May	W-242 through W-266	25	36
June	W-267 through W-317	51	117
July	W-318 through W-348	31	77
August	W-349 through W-375	27	76
September	W-376 through W-395	20	38
October	W-396 through W-421	26	66
November	W-422 through W-460	39	90
December	W-461 through W-507	47	83
	Sub-total..	393	844

<u>MONTH</u>	<u>CASE NUMBERS</u>	<u>CASES</u>	<u>CLAIMS</u>
<u>1972</u>			
January	W-508 through W-543	36	110
February	W-544 through W-609	66	167
March	W-610 through W-701	92	252
April	W-702 through W-811	110	307
May	W-812 through W-1144	333	680
June	W-1145 through W-3442	2298	5385
July	W-3443 through W-3681	239	467
August	W-3682 through W-3782	101	202
September	W-3783 through W-3817	35	86
October	W-3818 through W-3854	37	97
November	W-3855 through W-3879	25	49
December	W-3880 through W-3902	23	53
		Sub-total..3395	7855

<u>1973</u>			
January	W-3903 through W-3921	19	47
February	W-3922 through W-3932	11	35
March	W-3933 through W-3958	26	87
April	W-3959 through W-3976	18	72
May	W-3977 through W-3995	19	670
June	W-3996 through W-4015	20	119
July	W-4016 through W-4034	19	70
August	W-4035 through W-4055	21	64
September	W-4056 through W-4069	14	28
October	W-4070 through W-4081	12	460
November	W-4082 through W-4097	16	42
December	W-4098 through W-4109	12	234
		Sub-total.. 207	1928

<u>1974</u>			
January	W-4110 through W-4117	8	68
February	W-4118 through W-4137	20	633
March	W-4138 through W-4147	10	66
April	W-4148 through W-4158	11	95
May	W-4159 through W-4164	6	7
June	W-4165 through W-4177	13	821
July	W-4178 through W-4195	18	36
August	W-4196 through W-4209	14	15
September	W-4210 through W-4222	13	16
October	W-4223 through W-4239	17	44
November	W-4240 through W-4253	14	61
December	W-4254 through W-4269	16	60
		Sub-total.. 160	1922

<u>MONTH</u>	<u>CASE NUMBERS</u>	<u>CASES</u>	<u>CLAIMS</u>
<u>1975</u>			
January	W-4270 through W-4277	8	25
February	W-4278 through W-4294	17	34
March	W-4295 through W-4303	9	9
April	W-4304 through W-4312	9	20
May	W-4313 through W-4323	11	31
June	W-4324 through W-4336	13	15
July	W-4337 through W-4342	6	10
August	W-4343 through W-4349	7	71
September	W-4350 through W-4389	40	70
October	W-4390 through W-4396	7	17
November	W-4397 through W-4425	29	33
December	W-4426 through W-4440	15	21
Sub-total..		171	356

<u>1976</u>			
January	W-4441 through W-4453	13	29
February	W-4454 through W-4468	15	46
March	W-4469 through W-4490	22	125
April	W-4491 through W-4511	21	36
May	W-4512 through W-4579	68	323
June	W-4580 through W-4594	15	127
Sub-total..		154	686

Total cases filed from 1969 through June 30, 1976 4,594

Approximate number of claims for same period 13,889

Cases Terminated by the Water Court

MONTH

NUMBER OF CASES TERMINATED

1970

May	2
June	1
July	4
August	17
September	5
October	5
November	1
December	15
	<hr/>
Total.....	50

1971

January	0
February	4
March	16
April	9
May	15
June	13
July	47
August	46
September	26
October	43
November	25
December	30
	<hr/>
Total.....	274

1972

January	2
February	31
March	25
April	39
May	38
June	1
July	5
August	76
September	47
October	40
November	167
December	110
	<hr/>
Total.....	581

MONTHNUMBER OF CASES TERMINATED1973

January	95
February	110
March	151
April	81
May	104
June	174
July	83
August	139
September	121
October	216
November	178
December	78

Total....1,530

1974

January	137
February	77
March	157
April	99
May	112
June	152
July	59
August	100
September	64
October	68
November	75
December	99

Total....1,199

1975

January	84
February	54
March	58
April	65
May	92
June	54
July	41
August	39
September	23
October	28
November	13
December	18

Total.... 569

MONTH

NUMBER OF CASES TERMINATED

1976

January	9
February	10
March	37
April	40
May	9
June	21

Total..... 126

Cases Terminated 1970	50
Cases Terminated 1971	274
Cases Terminated 1972	581
Cases Terminated 1973	1,530
Cases Terminated 1974	1,199
Cases Terminated 1975	569
Cases Terminated 1976	126

Total cases terminated through June 30, 1976 4,329

WINTER WATER STORAGE

December 1, 1975 will, undoubtedly, go down in the history books of the Arkansas Valley in Colorado as a very important day because that was the day when the Board of Directors of thirteen Irrigation and Canal Companies below Pueblo Dam began a Cooperative Program of storing Winter Water. The Agreement had been reached on October 31, 1975, after approximately six years of meetings between officials from the Southeastern Colorado Water Conservancy District, U.S. Bureau of Reclamation, Division Engineer's Office, U.S. Geological Survey, and the Boards of the individual Companies.

The concept of impounding waters during the non-irrigation season has been discussed in the Arkansas Valley since the early '20's, but it could remain only a dream until a physical facility could be constructed to permit such storage. During the many years when the Fryingpan-Arkansas Project was being conceived and approved by Congress, representatives from the Irrigation Sector of the Arkansas Valley recommended that sufficient capacity be built into Pueblo Reservoir to permit them to store their Winter Water if they should elect to do so. Subsequently, the Bureau of Reclamation did enlarge the size of Pueblo Dam and Pueblo Reservoir to accommodate upwards to 65,000 acre-feet, which could be stored in normal years. There was nothing in the Contract between the United States Government and the Conservancy District which required Winter Storage Water, but there was a stipulation that if over a period of time the irrigators elected not to take advantage of that Storage opportunity, the price of Project water would have to be increased to pay for the extra cost involved in adding the capacity at Pueblo Reservoir.

In 1974, Thomas W. McCurdy of Olney Springs, President of the Southeastern Colorado Water Conservancy District, appointed Charles L. Thomson of Pueblo as General Manager of the District, to serve as Chairman for a select group which would attempt to put the Agreement together. Mr. Thomson contacted the Officers of the thirteen Irrigation and Canal Companies, asking them to appoint two representatives to serve on a Special Committee. Between that time and October 30, regular meetings were held in the Municipal Building in La Junta, Colorado, during which time a myriad of concepts were discussed and studies conducted. The U.S. Geological Survey alone conducted four massive computer studies to determine the effect of the Winter Storage Program on the hydrologic operation of the River, ground-water and relationship to the overall Valley. The Division Engineer assisted in developing a Program which was compatible with the Colorado Water Law and which was in compliance with historic practices by the Irrigation Companies. Special meetings were held with the Boards of Directors of the Companies and between Boards on several occasions. As changes were made in the concept, printouts were sent to all delegates and were thoroughly discussed at each meeting.

The Program, which began December 1, 1975, is truly an experimental concept which is not set out in a binding Contract, but affords the representatives of the Companies to meet regularly to evaluate the amounts of

water stored in Pueblo Reservoir and off-channel facilities, and to make such adjustments as might be prudent. The Committee will remain intact to make recommendations for the next Experimental Program in 1976-1977. Basically, the Program provides that the thirteen Companies will operate under their decrees, and those which do not have their own off-channel storage facilities will store one-half of the amount of water they could have otherwise diverted to their lands in Pueblo Reservoir, and the remainder will divert an agreed upon amount into their own storage reservoirs. The entities will then be able to draw from their storage accounts at a time, and in an amount, which they feel will produce the greatest beneficial use. The Program is so sophisticated that the entities will be able to request their water to be delivered at a specific time, on a specific day, in an exact amount, and then be shut off until more water is needed. It also provides that delivery can be stopped on short notice in the event Spring snows or rains occur.

WINTER WATER STORAGE SUMMARY SHEET FOR
Dec. 1975, Jan. 1976, Feb. 1976

<u>CANAL</u>	<u>ACTUAL STORAGE</u>
Bessemer	6328.59 A.F.
Colorado	6482.23 A.F.
Highline	7131.87 A.F.
Oxford	1247.88 A.F.
Otero.	600.00 A.F.
Catlin	6504.05 A.F.
Holbrook	9487.62 A.F.
Rocky Ford	2341.50 A.F.
Fort Lyon.	53670.00 A.F.
Amity.	10272.00 A.F.
Consolidated	2944.12 A.F.

The first release of winter water from Pueblo Reservoir began March 31, 1976. The release continued to various irrigation companies during April, May, June, July, August, and September, with the majority of the water being run during April and May. All of winter water had been run out of Pueblo Reservoir by September 6, 1976.

GROUND WATER ADMINISTRATION

In the past year, approximately 60 well owners were personally contacted by Division Personnel and informed of the pumping rules in effect. Of these 60, one refused to comply; an injunction was sought and the owner then agreed to comply.

George Ridenour joined our staff in April as our 1042 Water Commissioner. Two "Plug and Abandon" orders have been issued to 1042 wells drilled within 100 feet of leach fields. One well was voluntarily plugged without formal order when it was found to be 60 feet from a leach field. This office and the Pueblo City-County Health Department are working together to make sure that well applicants comply with all regulations concerning in house wells.

Last year there were five significant court actions involving ground water administration.

The first involved an attempt to adjudicate an in house use well as a domestic well. The Division Engineer appeared to uphold the referee ruling denying the application. The court upheld the ruling of the referee.

Two court actions involved attempts to adjudicate irrigation wells that were not registered and had not been used in years. The Division Engineer and the Southeastern Colorado Conservancy District protested the rulings of the referee in these cases. The court over ruled the referee and supported the position of the Division Engineer.

The Booth Orchard case was heard and a court decision is pending. The issue in the case is whether lands ordered to be dried up as a condition of the ditch water sale can be irrigated with wells.

Judge Gobin ruled on the amendment to the 1973 Pumping Rules and Regulations, rejecting the proposed amendment.

The decree reads:

WHEREFORE, IT IS ORDERED; ADJUDGED AND DECREED that the proposed Amendment to Rule 3 of the Rules and Regulations Governing the Use, Control and Protection of Surface and Groundwater Rights in the Arkansas River and Tributaries be disapproved and be of no force and effect and that the existing 1973 Rules and Regulations continue to be in effect except as provided herein; that any future proposed Amendments to said Rules and Regulations be no more stringent than necessary to prevent injury to surface diverters, promote maximization of beneficial use and recognize the contribution of the system of conjunctive use thereto; that wells that have been operating for more than 18 years without curtailment

be exempted from regulation to the extent of their unrestrained historic usage pursuant to C.R.S. 1973, 37-92-401(b)(VI); and that senior appropriators be confirmed in their right to make calls selectively, for protection of their priorities, to waters available in the river without making a concurrent call upon wells a condition precedent to the recognition of the surface call.

SUMMARY OF WELLS
IRRIGATION DIVISION NO. 2

TYPE OF USE

WATER DISTRICT
NO.

	0	1	2	3	4	5	6	7	8	TOTAL
10	17	2,599	88	73	56	11	225	10	96	3,175
11	66	854	7	9	49	6	25	5	16	1,037
12	54	546	60	53	13	13	47	3	8	797
13	23	154	33	29	0	0	29	10	4	282
14	12	1,475	358	131	52	36	845	28	57	2,994
15	30	511	45	29	3	1	115	13	17	762
16	3	163	150	75	5	21	61	3	3	484
17	2	450	604	157	35	24	966	37	56	2,331
18	2	21	52	5	0	0	10	2	7	99
19	9	82	166	26	0	12	16	7	4	322
66	0	79	263	35	3	14	534	7	12	947
67	2	630	1,408	194	37	9	1,400	10	102	3,792
TOTAL	221	7,565	3,238	815	253	147	4,280	135	383	17,037

Type of Use (0) In House Only (2) Stock (4) Commercial (6) Industrial
 (1) Domestic (3) Domestic & Stock (5) Industrial (7) Irrigation & Stock
 (8) Municipal

Registered wells as of April 13, 1976.

NEW PERMITS ISSUED IN DIVISION 2
1 NOV 75 to 31 OCT 76

In House Use Only (0)	289 Permits
Domestic (1)	127 Permits
Stock (2)	31 Permits
Domestic and Stock (3)	51 Permits
Commercial (4)	14 Permits
Industrial (5)	2 Permits
Irrigation (6)	32 Permits
Municipal (8)	12 Permits
Replacements for Existing Wells	142 Permits
Late Registrations of Exempt Wells	74 Permits
Permits Issued to Unregistered Adjudicated Exempt Wells	281 Permits
Permits Issued to Unregistered Adjudicated Now Exempt Wells	150 Permits
Denied Applications	57 Permits

UNDERGROUND WATER
IRRIGATION DIVISION NO. 2

Irrigation Division 2 composed of Water Districts 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 66, and 67 has, of this date, 17,037 wells of all types in operation. Types of use are domestic, stock, domestic and stock, commercial, industrial, irrigation, irrigation and stock, and lastly, municipal. Tabulation showing the number of each type of well in each district is illustrated by the following table.

The principal aquifer area extends thru a 150 mile reach of the Arkansas River valley extending from Pueblo to the Kansas State line. This is a valley-fill aquifer which is adjacent to, underlies, and is in hydraulic connection with, the Arkansas River. The aquifer consists of unconsolidated deposits of gravel, sand, silt and clay. It ranges from one to fourteen miles in width and covers an area of about 500 square miles in parts of Pueblo, Otero, Crowley, Bent, and Prowers counties. The aquifer fills a "u-shaped" trough cut into the bedrock, which consists of shale, limestone, and sandstone of Cretaceous age. About two million acre feet of water is stored in the valley-fill deposits. Summary of the hydrologic character is shown below.

UNIT	THICKNESS	PHYSICAL CHARACTER	HYDROLOGIC CHARACTER
Dune Sand	0 - 100'	Very fine to coarse. Poorly sorted sand.	Commonly not saturated but transmits water readily from the surface to underlying aquifers. Source of water for a few domestic and stock wells.
Valley-fill deposits	0 - 300'	Boulders, cobbles, gravel, sand, silt, and clay. Generally grades from fine sand near the surface to coarse sand and gravel at the base.	Principal source of water for irrigation, public supply, and industrial wells. Irrigation well yields are as much as 3,150 gpm and average 650 gpm. Aquifer furnishes water to 1,348 irrigation wells.
Pierre Shale	0 - 2,200'	Shale and sandy shale.	Low-permeability confining bed; acts as a barrier to vertical movement of ground water. Now known to yield water to wells.

UNIT	THICKNESS	PHYSICAL CHARACTER	HYDROLOGIC CHARACTER
Niobrara Formation	0 - 700'	Chalky and marly limestone and calcareous shale.	Low permeability to confining bed; acts as a barrier to vertical movement of ground water. A few stock wells tapping fractured limestone yield less than 5 gpm.
Carlile Shale	0 - 200'	Calcareous shale, limestone, and sandstone.	Low-permeability confining bed; acts as a barrier to vertical movement of ground water. Not known to yield water to wells.
Greenhorn Limestone	0 - 150'	Limestone and chalky shale.	Low-permeability confining bed; acts as a barrier to vertical movement of ground water. A few stock wells tapping fractured limestone yield less than 5 gpm.
Graneros Shale	0 - 200'	Gypsiferous shale and sandstone.	Low-permeability confining bed; acts as a barrier to vertical movement of ground water. Now known to yield water to wells.
Dakota Sandstone	75 - 235'	Sandstone, sandy shale, siltstone and shale.	Important source of water for domestic, stock and public water. Restricts vertical movement of water to and from the valley-fill deposits. Wells yield as much as 100 gpm and average 20 gpm.

GROUND-WATER WITHDRAWAL FROM THE
VALLEY FILL AQUIFER BY IRRIGATION WELLS

(acre feet per year)

COUNTY	1964	1965	1966	1967	1968
Pueblo	25,000	16,000	23,000	19,000	21,000
Otero-Crowley	53,000	36,000	50,000	48,000	50,000
Bent	33,000	15,000	23,000	23,000	26,000
Prowers	74,000	45,000	34,000	42,000	55,000
Total	185,000	112,000	130,000	132,000	152,000

The above statistics are from a study made prior to the inception of the Rules and Regulations, and may have been based on a pumping season of a full 110 days. If the 1968 total withdrawal figure of 152,000 A.F. was based on full yield pumping for 110 days at 24 hours per day, the 1975 withdrawal would be 3/7 of that or 65,143 A.F.

ARKANSAS RIVER COMPACT

IRRIGATION DIVISION NO. 2

Mr. Frank G. Cooley was appointed by President Gerald Ford to be Chairman of the Arkansas River Compact Administration.

Storage began on November 1, 1975 and continued until April 1, 1976; the gates were not opened until April 5, 1976 by mutual agreement with Colorado and Kansas. At this time, there had been accumulated 10,110 A.F.

This amount was run out starting April 5, 1976 at 0830 hours through April 10, 1976 at 1800 hours.

Storage occurred on August 2, 1976 at 1930 hours with releases being made to Colorado and Kansas and storage at the same time. The peak storage was 2100 A.F. This storage lasted until August 6, 1976 at 0930 hours.

A special meeting of the Arkansas River Compact Administration was called in Aspen on August 14, 1976 pertaining to the Proposed Permanent Pool at John Martin Reservoir (in which the water will come from Muddy Creek and two gaging stations will be built to help measure the water that will accrue in John Martin Reservoir) and the proposal to participate in Winter Storage Program by the Amity Canal Company in John Martin Reservoir. Both were approved unanimously by the Compact Administration members.

Another special meeting was held on September 14, 1976 of the Engineering Committee of the Colorado-Kansas Compact which protests to the events of August 2 through August 6, with the gates being closed on John Martin and the administrative operation of the flood routing during this period.

The transfer of Catlin shares has been taken under advisement and will be acted on by the Water Court at a future time.

PERSONNEL

Division No. 2

DIVISION OF WATER RESOURCES

<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>	<u>MONTHS WORKED</u>	<u>MILEAGE</u>
Robert W. Jesse	Division Engineer	Division 2	Full Time	16,803
James F. Kasic	Assistant Division Engineer	Division 2	Full Time	6,233
Kenneth J. Cooper	Assistant Division Engineer	Division 2	Full Time	8,232
Robert Ermel	Water Commissioner	Dist. 10	Full Time	15,269
George Wichmann	Deputy Water Commissioner Water Commissioner (beginning 12-1-75)	Dist. 10 Dist. 12	Full Time	15,957
James Everett	Water Commissioner	Dist. 11	Full Time	14,070
John Farwell	Deputy Water Commissioner	Dist. 11	1 Month Till 8-4-75	822
George Coffee	Deputy Water Commissioner	Dist. 11	3 Months Started 12-1-75	2,206
Larry Brown	Deputy Water Commissioner	Dist. 11	8 Months	4,079
Jack McDonough	Water Commissioner	Dist. 12	Full Time Till 8-16-75	1,673
Tom Young	Deputy Water Commissioner	Dist. 12	7 Months	4,823
James J. Javernick	Deputy Water Commissioner	Dist. 12	1 Month	235

<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>	<u>MONTHS WORKED</u>	<u>MILEAGE</u>
Neal McGee	Deputy Water Commissioner	Dist. 12	5 Months Till 12-5-75	6,035
Gayle Patterson	Water Commissioner	Dist. 13	Full Time	8,516
Don Stuart	Deputy Water Commissioner	Dist. 13	7 Months	4,615
Cecil Shepard	Special Contract Water Commissioner	Dist. 14	15 Days	315
Frank Perko	Administrative Assistant	Dist. 14	Full Time	7,518* 1,286
Larry Young	Water Commissioner	Dist. 15	Full Time	15,816
Robert Brgoch	Water Commissioner	Dist. 16	Full Time	12,594
Augustine Garica	Water Commissioner	Dist. 16	12 Months	10,084
William Pattie	Water Commissioner	Dist. 17	Full Time	17,114
George Watson	Deputy Water Commissioner	Dist. 17	1 Day	0
Leonard Trujillo	Water Commissioner	Dist. 18	12 Months	4,733
Henry Marques	Water Commissioner	Dist. 19	Full Time	16,366
John Cusimano	Deputy Water Commissioner	Dist. 19	61 Days	3,180
Manuel Vigil	Deputy Water Commissioner	Dist. 19	19 Days	934
Lane Hackett	Water Commissioner	Dist. 66 & 67	Full Time	17,218
Robert Clodfelter	Deputy Water Commissioner	Dist. 66 & 67	4 Days	375
Edward Blank	Hydrographer	Division 2	Full Time Transferred to Durango 6-76	14,000

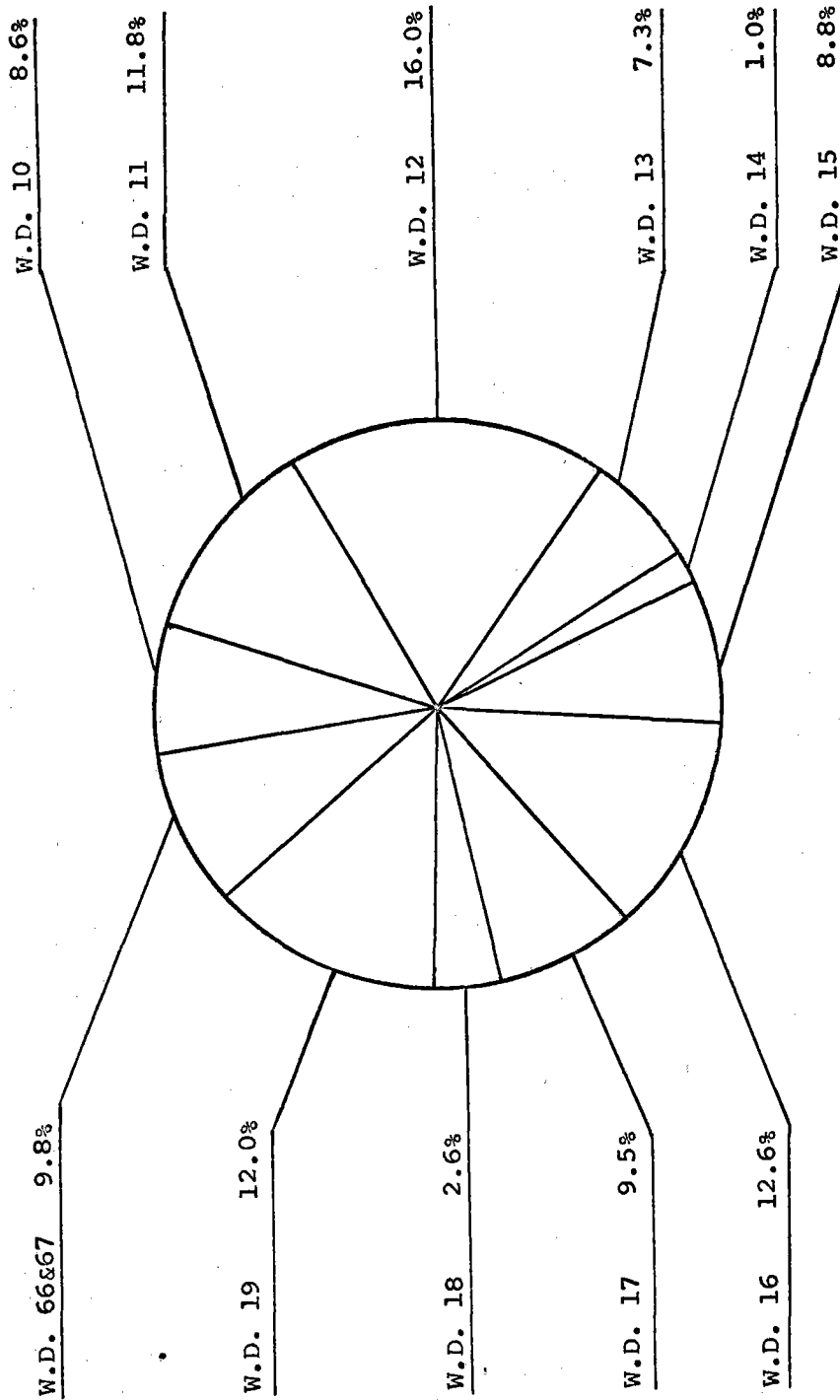
<u>NAME</u>	<u>POSITION</u>	<u>DISTRICT</u>	<u>MONTHS WORKED</u>	<u>MILEAGE</u>
David DeYoung	Hydrographer	Division 2	Full Time	15,661
Gary Largent	1042 Water Commissioner	Division 2	Full Time	18,175
George Ridenour	1042 Water Commissioner	Division 2	Full Time Started 4-1-76	1,565
Juanita Tafoya	Administrative Clerk Typist	Division 2	Full Time	0

Paid Mileage 179,880

Mileage for State Vehicles 86,722

*Mileage in State owned vehicle.

IRRIGATION DIVISION NO. 2
 Water District Mileage
 July 1, 1975 to June 30, 1976



Total Miles for Water Districts: 179,589

SOUTHERN COLORADO
WATER CONSERVANCY DISTRICT
905 HIGHWAY 50 WEST
P.O. BOX 440
PUEBLO, COLORADO 81002

OFFICERS

Thomas W. McCurdy, President, Rt. 1, Box 165, Olney Springs, Colo. 81062
Keith Webb, Vice President, P.O. Box 992, La Junta, Colo. 81054
Leon C. Hook, Treasurer, 804 Rudd, Canon City, Colo. 81212
Charles L. Thomson, General Manager, P.O. Box 440, Pueblo, Colo. 81002
Charles J. Beise, Attorney for the District, 1536 First National Bank
Building, Denver, Colo. 80201
George E. Everett, Secretary, 9750 County Road 160, Rainbow Blvd.,
Salida, Colo. 81201

DIRECTORS

Dave Ciruli, Rt. 4, Box 793, Pueblo, Colo. 81004
Dr. Wendell Hutchinson, D.V.M., Rainbow Blvd., Salida, Colo. 81201
John P. Huebsch, 27 Oak Ave., Colorado Springs, Colo. 80906
John E. Javernick, 3205 Hale, Canon City, Colo. 81212
Frank Milenski, RR. 1, La Junta, Colo. 81050
Raymond D. Nixon, 2519 Prairie Road, Colorado Springs, Colo. 80909
Ralph Adkins, P.O. Box 316, Pueblo, Colo. 81003
Kenneth Carter, Rt. 1, Ordway, Colo. 81063
Robert E. Northrup, 501 Steward, Lamar, Colo. 81052
Alvin Spady, Rt. 2, Las Animas, Colo. 81054
Alfred Putnam, 305 St. Vrain Ave., Las Animas, Colo. 81054

WATER RELATED ORGANIZATIONS

IRRIGATION DIVISION NO. 2
Pueblo, Colorado

A. J. Anderson Irrigation Company, Charles Haberman, Route 1, La Junta,
Colorado 81050
Avondale Water and Sanitation District, Mrs. Gloria Vialpando, President,
P. O. Box 77, Avondale, Colorado 81022
Beaver Park Water Company, Penrose, Colorado 81240
Beehive Water Association, John F. Watters, Cheraw, Colorado 81030
Bent's Fort Water Association, Walter V. Henning, President, 105 Ash,
La Junta, Colorado 81050
Bessemer Irrigating Ditch Company, Bill Mullin, 711 Thatcher Building
Pueblo, Colorado 81003
Canon City Oil Creek Ditch Company, L. Peterson, President, Canon City,
Colorado 81212
Canon City Heights Irrigation Company, E. B. Woodford, Secretary, 609 River,
Canon City, Colorado 81212
Canon City Hydraulic Irrigation Company, E. Carpenter, President, Harrison
Building, Canon City, Colorado 81212
Catlin Canal Company, Wayne W. Whittaker, P.O. Box 352, Rocky Ford, Colorado 81067
Collier Ditch Company, John Stahl, Route 1, Box 25, Boone, Colorado 81025
Crowley County Water Association, Harley Ruscher, President, P. O. Box 487,
Ordway, Colorado 81062
DeWeese Dye Ditch Company, Raymond Koch, 1400 South 2nd Street, Canon City,
Colorado 81212
East End Water Company, Harry Froese, Secretary, Route 2, La Junta, Colorado 81050
Eureka Water Company, Ralph Read, P. O. Box 5, Rocky Ford, Colorado 81067
Excelsior Ditch Company, Joe Mahaney, Superintendent, Route 2, Box 231, Pueblo,
Colorado 81004
Fayette Water Association, John Schweizer, Jr., Secretary, Route 1, Box 311,
Rocky Ford, Colorado 81067
Fort Lyons Canal Company, Al Putnam, Las Animas, Colorado 81054
Fremont County Ditch Company, Lola McBeth, 105 South Pikes Peak Avenue,
Florence, Colorado 81226
Hasty Water Company, Earl Eckerett, Hasty, Colorado 81044
Highland Water and Supply Company, Frank Vance, President, Blende,
Colorado 81004
Hilltop Water Company, Jerry Clevenger, Secretary, Rocky Ford, Colorado 81067
Holbrook Center Soft Water, J. B. Shenk, Secretary, Cheraw, Colorado 81030
Holbrook Mutual Irrigation Company, Neal Marlin, Route 2, La Junta,
Colorado 81050
Las Animas Consolidated Ditch Company, Delbert Wallace, Route 1, Box 19,
Las Animas, Colorado 81054
Lombard Village Water Association, Levi Martinez, Attorney at Law, Thatcher
Building, Pueblo, Colorado 81003
May Valley and Pleasant Valley Water Association, Leonard Courkamp, Wiley,
Colorado 81092
McClave Water Association, Harold Falconburg, McClave, Colorado 81057
Newdale-Grand Valley Company, Ernest P. Campbell, President, Route 2, Box 292,
Rocky Ford, Colorado 81067
Otero Canal Company, Earl Beegles, Box 980, La Junta, Colorado 81050

Oxford-Farmers Ditch Company, George Henrie, Fowler, Colorado 81039
 Park Center Water District, George Smith, P. O. Box 860, Canon City,
 Colorado 81212
 Patterson Valley Water Company, David E. Smith, Treasurer, Route 1, Rocky
 Ford, Colorado 81067
 Penrose Water District, Orlin Fields, Secretary-Treasurer, Route 1, Rocky
 Ford, Colorado 81067
 96 Pipeline Company, Warren B. Arbuthnot, President, Ordway, Colorado 81063
 Pueblo Board of Water Works, P. O. Box 400, Pueblo, Colorado 81002
 Riverside Water Company, Edward T. Jung, Secretary, Route 1, Box 100, Rocky
 Ford, Colorado 81067
 Rocky Ford Ditch Company, George A. Watson, Route 1, Manzanola, Colorado 81058
 Salt Creek Water and Sanitation District, Endelecio Garcia, 1022 Palo Alto,
 Pueblo, Colorado 81004
 Security Water District, Thomas K. Remple, 231 Security Boulevard, Security,
 Colorado 80911
 South Canon Ditch Company, John Griffin, President, P. O. Box 213, Canon City,
 Colorado 81212
 Southside Water Association, John Evers, President, RR 2, La Junta,
 Colorado 81050
 South Swink Water Company, Fred Trimble, Secretary, La Junta, Colorado 81050
 St. Charles Mesa Water Association, Lee Simpson, Manager, Roselawn Road,
 Pueblo, Colorado 81004
 Stratmoor Hills, J. Fred Abrahamson, 311 Catillima Drive, Stratmoor Hills,
 Colorado
 Sugar City Pipeline Company, Henry Herman, Jr., Secretary, Sugar City,
 Colorado 81076
 Twin Lakes Reservoir and Canal Company, Thomas McCurdy, Route 1, Box 165,
 Olney Springs, Colorado 81062
 Union Ditch Company, Erick A. Roberts, 105 East Main, Florence, Colorado 81226
 Valley Water Company, Albert Stover, Secretary, Manzanola, Colorado 81058
 Vorman Water Company, Albert Stover, Secretary, Manzanola, Colorado 81058
 West Grand Valley Water, Incorporated, Blain Mallott, Box 182, Rocky Ford,
 Colorado 81067
 West Holbrook Pipeline Company, Roy Wadleigh, Secretary, Route 2, Box 302,
 La Junta, Colorado 81050
 West Pueblo Ditch Company, Ted Donley, Superintendent, Hyde Park Dairy,
 P. O. Box 397, Pueblo, Colorado 81002
 Widefield Homes Water and Sanitation, J. C. Perry, Sr., 3 Widefield,
 Widefield, Colorado 80911

SUPPLEMENT TO DIVISION ENGINEERS REPORT

IRRIGATION DIVISION 2

1976

Flow Records for:

Lake Fork Creek below Sugar Loaf Reservoir, Colorado
Lake Creek above Twin Lakes Reservoir, Colorado
Lake Creek below Twin Lakes Reservoir, Colorado
Arkansas River near Granite, Colorado
Clear Creek above Clear Creek Reservoir, Colorado
Clear Creek below Clear Creek Reservoir, Colorado
Cottonwood Creek at Buena Vista, Colorado
Chalk Creek at Nathrop, Colorado
Arkansas River at Salida, Colorado
South Arkansas River at Salida, Colorado
Arkansas River at Wellsville, Colorado
Texas Creek at Mouth, Texas Creek, Colorado
Grape Creek near Westcliffe, Colorado
Arkansas River at Canon City, Colorado
Arkansas River at Portland, Colorado
Arkansas River above Pueblo, Colorado
Huerfano River at Manzaneras Crossing, Redwing, Colorado
Cucharas River at Boyd Ranch, La Veta, Colorado
Arkansas River near Nepesta, Colorado
Arkansas River at Catlin Dam, Fowler, Colorado
Arkansas River at La Junta, Colorado
Purgatoire River at Trinidad, Colorado
Purgatoire River at Nine Mile Dam, Higbee, Colorado
Columbine Ditch near Fremont Pass, Colorado
Ewing Ditch near Tennessee Pass, Colorado
Wurtz Ditch near Tennessee Pass, Colorado
Boustead Tunnel near Leadville, Colorado
Busk-Ivanhoe Tunnel near Leadville, Colorado
Twin Lakes Tunnel near Twin Lakes, Colorado
Larkspur Ditch near Marshall Pass, Colorado

Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

age area _____ square miles. Water stage recorder STEVENS A-35 CONTINUOUS

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.		Day.
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	
1	1.12 ^{+.04}	106	0.33 ⁰	4.9	a	2.2	0.23 ⁰	2.2	0.26 ^{+.01}	3.1	0.94 ⁰	64	1
2	²⁰³ 1.04 ^{+.04}	89	.33 ⁰	4.9	0.18 ^{+.04}	1.9	a	2.2	²⁰⁴ 5 ^v	16	.98 ^{-.01}	69	2
3	1.05	91	S ^v	106	.18	1.9		2.2	64 ⁰	25	.98	69	3
4	1.05	91	1.51 ^{+.01}	203	²⁰⁴ .19 ^{+.04}	2.2		2.2	.77	38	.98	69	4
5	1.05	91	1.46	187	.22 ^{+.01}	2.2		2.2	.83	46	.98 ^{-.01}	69	5
6	1.05	91	²⁰⁵ 1.47 ^{+.01}	190	.23 ⁰	2.2		2.2	.83	46	a	69	6
7	1.05	91	1.55 ^{+.02}	219	.23	2.2		2.2	.83	46		69	7
8	1.05	91	1.55	219	.23	2.2		2.2	.83	46		69	8
9	1.05	91	1.55	219	.23	2.2		2.2	.83	46		69	9
10	1.05	91	1.54	216	.23	2.2		2.2	²⁰⁶ .83 ⁰	46	²¹¹ a ^{-.01}	69	10
11	1.05	91	1.54	216	.23	2.2		2.2	.83	46	.98	69	11
12	1.05	91	1.54	216	.23	2.2		2.2	.83	46	.98	69	12
13	1.05	91	1.54	216	.23	2.2		2.2	.83	46	.98	69	13
14	1.05 ^{+.04}	91	1.54	216	.23	2.2	a	2.2	.83	46	.98	69	14
15	S ^v	45	1.54	216	.23	2.2	.22 ^{+.01}	2.2	.83	46	.98	69	15
16	.64 ^{-.02}	23	1.54	216	.23	2.2	.22	2.2	.83	46	.99	71	16
17	.64	23	1.54 ^{+.02}	216	.23	2.2	.22	2.2	.83	46	.99	71	17
18	.64	23	1.62 ^{+.03}	247	²⁰⁵ a ⁰	2.2	.22	2.2	.83	46	.99	71	18
19	.64	23	1.67 ^{+.04}	269	.23	2.2	.22	2.2	.83	46	1.05	82	19
20	.64	23	²⁰³ 1.57 ^{+.05}	236	.23	2.2	²⁰⁶ .23 ^{+.01}	2.4	.83	46	1.11	93	20
21	.64	23	1.50	212	.23	2.2	.26	3.1	.83	46	1.11	93	21
22	.64	23	1.50	212	.23	2.2	.26	3.1	.83 ⁰	46	1.11	93	22
23	²⁰¹ .64 ^{-.02}	23	1.50	212	.23	2.2	.26	3.1	S ^v	38	1.11	93	23
24	.72 ^{-.01}	31	1.50	212	.23	2.2	.26	3.1	.60 ^{+.01}	22	²¹² 1.11 ^{-.01}	93	24
25	.79	40	1.50	212	.23	2.2	.26	3.1	.72 ^{+.02}	35	1.11	93	25
26	.79	40	1.50	212	.23	2.2	.26	3.1	²¹⁰ .80 ^{+.02}	45	1.11	93	26
27	.79	40	1.50 ^{+.05}	212	.23	2.2	.26	3.1	.85 ^{+.02}	52	1.12	95	27
28	.79	40	S ^v	78	.23	2.2	.26	3.1	.90 ^{+.01}	59	1.12	95	28
29	.79 ^{-.01}	40	.21 ^{+.04}	2.6	.23	2.2	.26	3.1	.90 ^{+.01}	59	1.12 ^{-.01}	95	29
30	S ^v	16	a	2.4	.23	2.2	.26	3.1	XX	XXX	S ^v	49	30
31	.33 ⁰	4.9	XX	XXX	.23 ⁰	2.2	.26 ^{+.01}	3.1	XX	XXX	.20 ^{-.02}	1.1	31
814.7	Total	1767.9	5399.8	67.6	78.3	1220.1	2311.1						
167	Mean	57.0	180	2.18	2.53	40.7	74.6						
20,600	Run-off in acre-feet	3510	10710	134	155	2420	4580						
495	Maximum	106	269	2.2	3.1	59	95						
19	Minimum	4.9	2.4	1.9	2.2	3.1	1.1						

Max. G. H. _____ ft. at _____ on _____ sec.-ft. on _____ Min. Daily Discharge _____

alendar Year 1975

Daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 1976

Catchment area 75 square miles.

Water stage recorder **STEVENS A-35 CONTINUOUS**

Max. Discharge 1000 CFS at 2000 HRS on JUNE 5, 1976 G. H. 4.37 ft.
 Max. G. H. 4.59 ft. at 2000 HRS on JUNE 5, 1976 Min. Daily Discharge _____ sec.-ft. on _____

Calendar Year

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.34	22 25	1.23	23 19	a	15	a	10	a	10	a	10
2	²⁶³ 1.34	22 25	1.22	19		15		10		10		10
3	1.33	25	1.20	18		15		10		10		10
4	1.32	24	1.21	18	²⁸⁷	20		10		10		10
5	1.32	24	1.30	22		20		10		10		10
6	1.31	24	²⁸⁵ 1.29	23 22		20		10		10		10
7	1.30	23	1.26	20		20		10		10		10
8	1.30	23	1.28	22		20	²⁸⁹	10		10		10
9	1.28	22	1.29	23 22		20		10		10		10
10	1.31	24	a	20		20		10	²⁹¹	10	²⁹³	10
11	1.29	22		20		20		10		10		10
12	1.28	22		20		20		10		10		10
13	1.27	22 22		20		20		10		10		10
14	1.24	23 20		20		15		10		10		10
15	1.23	19		20		15		10		10		10
16	1.24	20		20		15		10		10		10
17	1.24	20		20		15		10		10		10
18	1.25	20		15	²⁸⁸	15		10		10		10
19	1.23	19		15		15		10		10		10
20	1.20	18	²⁸⁶	15		15	²⁹⁰	10		10		10
21	1.19	17		15		15		10		10		10
22	1.20	18		15		15		10		10		10
23	²⁸⁴ 1.23	23 19		15		15		10		10		10
24	1.20	23 18		15		10		10		10	²⁹⁴	10
25	a	26		15		10		10		10		10
26	a	19		15		10		10	²⁹²	10		10
27	1.17	23 17		15		10		10		10		10
28	1.20	18		15		10		10		10		10
29	1.18	17		15		10		10	a	10		10
30	1.23	19	a	15		10		10	XX	XXX		10
31	1.25	23 20	XX	XXX	a	10	a	10	XX	XXX	a	10
Total		649		537		475		310		290		310
Mean		20.9		17.9		15.3		10.0		10.0		10.0
Run-off in acre-feet		1290		1070		942		615		575		615
Maximum		26		22		20		10		10		10
Minimum		17		15		10		10		10		10

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07084500

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
a	10	1.44	24 30	3.42	728	3.23	25 534	2.38	37 162	1.81	31 60	1									
	10	5	23 55	3.73	950	3.21	523	2.38	162	1.78	56	2									
	10	5	64	3.82	1020	3.21	25 523	2.37	159	1.76	54	3									
	10	1.84	23 96	3.98	1180	3.19	24 518	2.33	37 149	1.74	52	4									
	10	2.27	5 V 107	4.23	1450	3.17	23 512	2.29	36 142	1.73	50	5									
295	13	2.17	21 149	4.18	1400	2.98	20 431	2.21	122	1.73	50	6									
	13	2.10	21 132	4.07	1290	2.95	19 422	2.17	113	1.72	49	7									
a	13	1.96	20 103	4.08	1300	2.94	18 422	2.25	132	1.60	37	8									
1.09	26 13	1.94	99	4.10	1320	3.02	16 470	2.20	120	1.56	31 34	9									
1.12	14	1.97	20 105	4.22	1440	2.98	15 455	2.15	109	1.53	32	10									
1.17	15	2.24	19 172	4.12	1340	2.90	14 422	2.16	36 111	1.53	32	11									
1.21	17	2.29	186	3.62	905	2.86	13 408	2.15	109	1.53	32	12									
1.19	16	2.00	19 113	3.35	722	2.86	13 408	2.12	103	1.52	31	13									
1.17	15	2.27	18 183	3.20	631	2.80	12 386	2.11	36 101	1.58	36	14									
1.14	14	2.60	17 286	2.90	485	2.74	14 350	2.07	35 95	1.62	39	15									
1.14	14	2.94	16 431	3.03	557	2.62	16 296	2.02	35 86	1.65	42	16									
1.14	14	3.04	15 485	3.10	587	2.55	18 266	1.89	34 67	1.59	36	17									
1.17	15	3.16	14 557	2.90	465	2.52	20 251	1.91	33 71	1.60	37	18									
1.12	14	3.23	13 605	2.85	431	2.58	22 263	1.92	73	1.55	33	19									
1.13	14	3.28	13 638	3.02	506	2.64	24 275	1.93	74	1.53	32	20									
214	26 14	3.28	638	3.57	847	2.73	26 300	1.95	77	1.52	31	21									
1.17	15	3.18	575	3.72	942	2.62	28 257	1.91	33 71	1.53	32	22									
1.19	16	2.93	440	3.60	840	2.39	32 178	1.97	32 82	1.55	31 33	23									
1.18	16	2.84	400	3.28	612	2.27	34 142	2.03	31 95	1.53	32	24									
1.20	26 17	2.83	395	3.12	512	2.33	36 152	2.00	31 89	1.58	36	25									
1.24	25 19	2.80	382	3.08	485	2.42	38 170	2.00	89	1.70	47	26									
1.28	25 20	2.95	450	3.27	581	2.43	172	2.07	103	1.68	31 45	27									
1.36	24 25	3.33	670	3.43	670	2.47	38 183	1.95	81	1.65	30 43	28									
1.44	30	3.42	728	3.29	569	2.42	38 170	1.93	77	1.63	41	29									
1.48	24 33	3.34	676	3.22	528	2.33	37 149	1.92	76	1.65	30 43	30									
XX	XXX	3.22	13 599	XX	XXX	2.33	37 149	1.90	31 73	XX	XXX	31									
469		9609		25293		10157		3173		1207		52479									
15.6		310		872		328		102		40.2		143									
930		17060		50170		20150		6290		2390		104100									
33		728		1450		534		162		60		1450									
10		30		431		142		67		31		10									

by Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76.

Drainage area _____ square miles. Water stage recorder STEVENS "E" WEEKLY

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.31	14	0.94	86	0.34	17	0.30	14	a	34	a	15
2	.48	29	.92	83	.34	17	.30	14		34		15
3	.54	35	.91	81	.34	17	.30	14		34		15
4	.62	44	.77	62	a	17	.30	14		34		15
5	.63	45	S	30	.34	17	.30	14		34		15
6	.63	45	.35	18	.34	17	.30	14		34		15
7	.55	36	S	58	.34	17	.30	14		34		21
8	.53	34	.85	73	.34	17	.30	14		34		21
9	.50	31	.85	73	.36	18	.30	14		34		21
10	.48	29	.85	73	.38	20	.30	14		34		21
11	.48	29	.85	73	.38	20	.30	14		35		21
12	.48	29	.85	73	.38	20	.30	14		35		21
13	.48	29	.85	73	.38	20	.30	14		35		21
14	.48	29	.85	73	.38	20	.30	14		35		21
15	S	56	.85	73	.42	24	.30	14		35		21
16	.92	83	.85	73	.47	28	.30	14		35		21
17	.92	83	.85	73	.47	28	.30	14		35		21
18	.92	83	S	33	.47	28	.30	14		35		21
19	.91	81	.39	21	.46	27	.29	13		35		21
20	.91	81	S	39	.45	26	.29	13		35		21
21	.91	81	.79	65	.45	26	.29	13		35		21
22	.91	81	.87	76	.45	26	.31	14		35		21
23	.85	73	.89	79	.42	24	.32	15		35		21
24	.78	64	.84	72	.31	14	.32	15		30		21
25	.72	56	.70	54	.29	13	a	22		30		21
26	.72	56	.65	48	.30	14		26		30		72
27	.72	56	.68	51	.30	14		26		30		72
28	.72	56	.69	52	.30	14		34		30		72
29	.72	56	.67	50	.30	14		34	a	15		80
30	.73	57	.57	38	.30	14		34	XX	XXX		80
31	S	81	XX	XXX	.30	14	a	34	XX	XXX	a	80
Total		1642		1826		602		545		960		945
Mean		53.0		60.9		19.4		17.6		33.1		30.5
Run-off in acre-feet		3260		3620		1190		1080		1900		1870
Maximum		83		86		28		34		35		80
Minimum		14		18		13		13		15		15

Max. Discharge 1.06 cfs. at unknown on June 23, 1972 Min. Daily Discharge 0 sec.-ft. on many days
 Max. G. H. 4.43 ft. at unknown on June 23, 1972 Min. Daily Discharge 0 sec.-ft. on many days
S - DISCHARGE SUBDIVIDED

Calendar Year

Day Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

Drainage area 427 square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 1100 cfs. at 0700 hrs. on JUNE 8, 1976 G. H. 7.32 ft.
 Max. G. H. 4.38 ft. at 0700 hrs. on JUNE 8, 1976 Min. Daily Discharge 65 cfs. on JUNE 15, 1976 G. H. 2.35 ft.

Calendar Year

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	2.44 ⁺ ₀₃	211	2.31 ⁺ ₀₃	173	2.23 ^b	110	a	90	2.98 ^b	110	2.17 ⁺ ₀₁	134
2	2.37 ⁺ ₀₃	190	2.28	165	2.08	170		90	2.94	110	2.19	138
3	2.37	190	5	188	2.05	115		85	3.13	110	2.19 ⁺ ₀₁	138
4	2.39	196	2.78	345	2.04 ⁷³²	110		80	3.23	100	a	140
5	2.39	196	2.72	315	2.02	100		80	3.57	110		140
6	2.38	193	2.63 ⁷³² ₀₃	274	2.04	100		80	3.37 ^b	120		140
7	2.36	187	2.80	355	2.04	100		80	a	130		140
8	2.36	187	2.87	390	2.04	100	2.32 ^a	75		130		150
9	2.33	179	2.87 ⁺ ₀₃	390	2.03	100	3.04 ^b	75		130		150
10	2.33	179	2.84 ⁺ ₀₄	380	2.03	100	2.90	75	734	130	2.36 ^a ₀₃	150
11	2.32	176	2.85	385	2.04	100	2.93	75		130	2.25	157
12	2.32	176	2.83	375	2.00	100	3.02 ^b	75		130	2.19 ⁺ ₀₃	143
13	2.32	176	2.84	380	2.08	100	a	70		130	a	140
14	2.33	179	2.84	380	2.22	100		70		130		145
15	2.35	184	2.84	380	2.28	95		65		130		145
16	2.34	182	2.83	375	2.24	95		65		120	a	145
17	2.34	182	2.84 ⁺ ₀₄	380	2.16	95		65		120	2.19 ⁺ ₀₄	145
18	2.33	179	2.78 ⁺ ₀₅	355	2.18 ⁷³¹	95		65		120	2.22	152
19	2.33	179	2.83	380	2.19	95		65		120	2.22 ⁺ ₀₄	152
20	2.32	176	2.79 ⁷³² ₀₅	360	2.19	95	733	65		120	a	150
21	2.32	176	2.76	345	2.29	95		70		110	a	160
22	2.32	176	2.77	350	2.50 ^b	95		70		120	2.31 ⁺ ₀₅	179
23	2.33 ⁷³² ₀₃	179	2.78	355	a	95		70		130	2.31	179
24	2.27	162	2.78	355		95		70		140	2.33 ⁺ ₀₅	184
25	2.26	160	2.75	340		95		65		130	2.41 ⁺ ₀₄	205
26	2.30	170	2.73	330		95		80	735	130	2.44	214
27	2.31	173	2.76	345		95		90		130	2.46	220
28	2.30	170	5	290		90	a	100	a	140	2.48	226
29	2.27	162	2.18 ⁺ ₀₅	145		90	3.30 ^b	100	2.22 ^o	143	2.49	229
30	2.27	162	2.12 ^b	129		90	3.12	100	XX	XXX	2.43	211
31	2.27 ⁺ ₀₃	162	XX	XXX	a	90	3.03 ^b	100	XX	XXX	2.22 ⁺ ₀₄	152
Total		5549		9709		3050		2405		3603		5053
Mean		179		324		98.4		77.6		124		163
Run-off in acre-feet		11010		19260		6050		4770		7150		10020
Maximum		211		390		120		90		143		229
Minimum		160		129		90		65		70		134

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07086000

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
2.23 ⁺ _{.03}	152	2.84 ⁺ _{.02}	370	3.96 ⁻ _{.02}	1250	3.63 ⁻ _{.04}	921	3.48 ⁻ _{.04}	786	2.32 ^o	168	1									
2.26	160	2.85	375	4.07 ⁻ _{.02}	1360	3.68	966	3.47	795	2.29	160	2									
2.28 ⁺ _{.03}	165	2.91	408	4.13	1430	3.66	948	3.38	696	2.28 ^o	157	3									
2.30 ⁺ _{.02}	168	3.02	474	4.18 ⁻ _{.02}	1490	3.64	930	3.34 ⁻ _{.04}	660	2.33 ⁻ _{.01}	168	4									
2.30 ⁻ _{.02}	168	3.10 ⁺ _{.02}	524	4.22 ⁻ _{.03}	1530	3.51	813	3.29 ⁻ _{.03}	628	2.37	179	5									
2.31 ⁺ _{.02}	164	3.03	480	4.34 ⁻ _{.03}	1680	3.43	741	3.15 ⁻ _{.02}	531	2.36	176	6									
2.31 ⁻ _{.02}	160	2.93	420	4.31 ⁻ _{.04}	1630	3.24	580	2.99 ⁻ _{.01}	438	2.37	179	7									
2.33 ⁻ _{.02}	165	2.96	438	4.30	1620	3.19 ⁻ _{.04}	545	3.01 ⁻ _{.01}	450	2.36	176	8									
2.38 ⁻ _{.01}	182	2.89	396	4.31 ⁻ _{.04}	1630	3.67 ⁻ _{.03}	966	3.08 ^o	498	2.35 ⁻ _{.01}	173	9									
2.41	190	2.87	385	4.34 ⁻ _{.05}	1660	3.69	984	3.07	492	2.33	168	10									
2.42 ⁻ _{.01}	193	2.88	390	4.32 ⁻ _{.05}	1630	3.72	1010	3.10 ^o	510	2.32	165	11									
2.44 ^o	202	2.93	420	4.17 ⁻ _{.06}	1430	3.71	1000	3.08	498	2.33	168	12									
2.43	199	2.91	408	3.99 ⁻ _{.06}	1240	3.74	1030	3.02	462	2.32	165	13									
2.42	196	2.86	380	3.73 ⁻ _{.07}	984	3.71 ⁻ _{.03}	1000	3.02 ^o	462	2.37	179	14									
2.42	196	2.99 ⁺ _{.02}	456	3.67	930	3.67 ⁻ _{.03}	966	2.95 ⁺ _{.01}	426	2.32	165	15									
2.41	193	3.14 ^o	538	3.79 ⁻ _{.07}	1040	3.63 ⁻ _{.04}	921	2.89	390	2.37	179	16									
2.39 ^o	187	3.28 ⁻ _{.02}	628	3.77	1020	3.62	912	2.87	380	2.32	165	17									
2.36 ⁺ _{.01}	182	3.45 ⁻ _{.04}	759	3.75	1000	3.62	912	2.83 ⁺ _{.01}	360	2.29	157	18									
2.37	184	3.59 ⁻ _{.06}	867	3.69	948	3.63	921	2.77 ⁺ _{.02}	335	2.28	155	19									
2.75	320	3.72 ⁻ _{.07}	975	3.68 ⁻ _{.07}	939	3.61 ⁻ _{.04}	903	2.77	335	2.30	160	20									
2.77 ⁺ _{.01}	330	3.83	1070	3.75 ⁻ _{.06}	1010	3.57 ⁻ _{.05}	858	2.76 ⁺ _{.02}	330	2.27 ⁻ _{.01}	152	21									
2.78	335	3.79 ⁻ _{.07}	1040	3.86	1110	3.54	831	2.71 ⁺ _{.03}	310	5 ^u	248	22									
2.80	345	3.68 ⁻ _{.06}	948	4.13	1390	3.52	813	2.69	300	2.93 ⁺ _{.01}	414	23									
2.75	320	3.54 ⁻ _{.06}	822	4.15	1410	3.50	795	2.69	300	2.90	396	24									
3.14	545	3.43 ⁻ _{.05}	732	3.98 ⁻ _{.06}	1230	3.48	777	2.71 ⁺ _{.03}	310	2.91 ⁺ _{.01}	402	25									
3.29	660	3.34 ⁻ _{.05}	652	3.73 ⁻ _{.05}	1000	3.51	804	2.66 ⁺ _{.02}	282	3.00 ^o	450	26									
3.27	644	3.39 ⁻ _{.04}	705	3.64	921	3.58	867	2.55 ⁺ _{.01}	238	3.01	456	27									
3.27 ⁺ _{.01}	644	3.47 ⁻ _{.04}	777	3.27	596	3.57 ⁻ _{.05}	858	2.52	229	3.02 ^o	462	28									
3.18 ⁺ _{.02}	580	3.62 ⁻ _{.03}	921	3.25	580	3.52 ⁻ _{.05}	813	2.50	223	2.97 ⁻ _{.01}	426	29									
3.12 ⁺ _{.02}	538	3.77	1060	3.52 ⁻ _{.05}	813	3.45 ⁻ _{.04}	759	2.45 ⁺ _{.01}	208	2.92 ⁻ _{.02}	390	30									
XX	XXX	3.76 ⁻ _{.03}	1050	XX	XXX	3.39 ⁻ _{.04}	705	2.37 ^o	182	XX	XXX	31									
												Water Year		1976							
2667		19868		36501		26849		13044		7195		141493									
289		641		1217		866		421		239		387									
17190		39410		72400		53250		25870		14270		280700									
644		1070		1680		1030		195		462		1680									
152		370		580		545		182		152		65									

ly Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

ainage area 67.1 square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 483 cfs. at 0100 HRS. on JUNE 6, 1976 G. H. 2.68 ft.
 Max. G. H. 2.68 ft. at 0100 HRS. on JUNE 6, 1976 Min. Daily Discharge _____ sec.-ft. on _____

Calendar Year 1975

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.93	08 20	0.88	05 17	a	10	a	10	a	10	a	15
2	⁴⁴¹ .93	08 20	.88	17		15		10		10		15
3	.94	21	.88	17		20		10		10		15
4	.93	20	.88	17	⁴⁴⁵	20		10		9.0		15
5	.93	20	.87	16		20		10		9.0		15
6	.93	20	⁴⁴³ .87	05 16		20		10		9.0		15
7	.92	18	.86	15		20		10		9.0		15
8	.93	20	.87	16		20	⁴⁴⁷	10		9.0		15
9	.92	18	.87	05 16		20		10		9.0		15
10	.92	18	.98 ^b	15		20		10	⁴⁴⁹	9.0	⁴⁵¹	10
11	.92	18	.88	15		20		10		9.0		10
12	.92	18	1.02	15		20		10		9.0		10
13	.92	18	1.02	15		20		10		9.0		10
14	.91	17	.98	15		20		10		9.0		10
15	.90	16	.91	15		20		10		9.0		10
16	.91	17	.92	15		20		15		9.0		10
17	.90	16	.87	15		15		15		9.0		10
18	.90	16	.87	10	⁴⁴⁶	15		15		9.0		10
19	.90	16	.85 ^b	10		15		15		9.0		10
20	.89	15	⁴⁴⁴ a	10		15	⁴⁴⁸	15		9.0		10
21	.89	15		10		15		15		9.0		10
22	.89	15		10		15		15		9.0		10
23	⁴⁴² .90	08 16		10		15		15		10		10
24	.88	08 14		10		15		15		10	⁴⁵²	10
25	.96	07 24		10		10		10		10		10
26	.88	06 16		10		10		10	⁴⁵⁰	15		10
27	.88	16		10		10		10		15		10
28	.87	15		10		10		10		15		10
29	.87	15		10		10		10	a	15		10
30	.86	06 14	a	10		10		10	XX	XXX		10
31	.88	05 17	XX	XXX	a	10	a	10	XX	XXX	a	10
Total		539		397		495		355		291		355
Mean		17.4		13.2		16.0		11.5		10.0		11.5
Run-off in acre-feet		1070		787		982		704		577		704
Maximum		24		17.		20		10		15		15
Minimum		14		10		10		10		9.0		10

by Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

ainage area _____ square miles.

Water stage recorder STEVENS "E" RECORDER

ft. G. H. on _____ sec.-ft. on _____
 Min. Daily Discharge
 Sec. ft. at _____ on _____
 Max. Discharge
 Max. G. H. ft. at _____

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.65	39	a	17	a	3.0	a	10	a	5.0	a	13
2	1.65	39		17		3.0		10		5.0		13
3	1.56	30		17		3.0		10		5.0		13
4	1.45	21		17		3.0		10		5.0		13
5	1.42	19		17		3.0		10		5.0		13
6	1.42	19		17		3.0		10		5.0		13
7	1.42	19		20		3.0		10		5.0		13
8	1.42	19		20		3.0		10		5.0		13
9	1.42	19		20		3.0		0		5.0		13
10	a	18		20		3.0		0		5.0		13
11		17		20		3.0		0		5.0		13
12		17		20		3.0		0		5.0		13
13	a	16		20		3.0		0		3.0		13
14	1.37	16		12		3.0		0		12		13
15	1.37	16		12		3.0		0		12		13
16	1.37	16		12		3.0		0		12		13
17	1.38	16		12		3.0		0		12		13
18	1.40	17		12		3.0		0		12		13
19	1.40	17		12		3.0		0		12		13
20	1.40	17		3.0		3.0		0		12		13
21	1.40	17		3.0		10		0		3.0		13
22	1.40	17		3.0		10		0		3.0		90
23	a	17		3.0		10		5.0		3.0		90
24		17		3.0		10		5.0		3.0		90
25		17		3.0		10		5.0		3.0		90
26		17		3.0		10		5.0		3.0		90
27		17		3.0		10		5.0		3.0		90
28		17		3.0		10		5.0		3.0		90
29		17		3.0		10		5.0	a	13		90
30		17	a	3.0		10		5.0	XX	XXX		10
31	a	17	XX	XXX	a	10	a	5.0	XX	XXX	a	10
Total		594		347		170		125		184		1013
Mean		19.2		11.6		5.48		4.03		6.34		32.7
Run-off in acre-feet		1180		688		337		248		365		2010
Maximum		39		20		10		10		13		90
Minimum		16		3.0		3.0		0		3.0		10

Calendar Year

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 285 Sec. ft. at 0030 Hrs on JUNE 6, 1976 G. H. 3.27 ft.

Max. G. H. 3.27 ft. at 0030 Hrs on June 6, 1976 Min. Daily Discharge _____ sec.-ft. on _____

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.04 ⁺ ₀₉	.80	1.66 ⁻ ₀₅	12	1.99 ⁻ ₀₅	30	1.88 ^b	20	1.82 ^b ₀₃	20	1.84 ⁻ ₀₆	20
2	1.19 ⁺ ₅	1.6	1.62	11	1.97 ⁻ ₀₅	30	a	20	1.81 ^b ₀₃	20	1.84	20
3	5	2.8	1.63	11	1.97 ⁻ ₀₆	28	a	20	1.84 ⁻ ₀₃	22	1.83	20
4	5	1.6 ⁺ ₀₇	1.62	11	1.97 ⁻ ₀₆	28	1.87 ^b	20	1.84	22	1.83 ⁻ ₀₆	20
5	1.03 ⁺ ₀₇	.50	1.64	12	1.97	28	1.88	20	1.84	22	5	18
6	1.03 ⁺ ₀₇	.50	1.66	12	1.96	27	1.88	20	1.84	22	a	18
7	5	1.3	1.64 ⁻ ₀₅	12	1.94	26	1.78	20	1.84	22	a	19
8	5	1.6 ⁺ ₀₆	1.65	12	1.95	26	1.83 ^b	20	1.84	22	1.83 ⁻ ₀₅	20
9	5	1.3	1.68	13	1.95	26	1.89	20	1.85	22	5	20
10	5	1.2	1.65 ⁻ ₀₅	12	1.96	27	1.90	20	1.85 ⁻ ₀₃	22	1.83 ⁻ ₀₅	20
11	1.72 ⁺ ₀₁	18	5	12	1.95	26	1.86	20	1.84	22	1.83	20
12	1.73	18	5	21	1.94	26	1.88	20	1.84	22	5	19
13	1.72	18	1.96 ^o	31	1.94	26	1.84	20	1.84	22	5	19
14	1.80	22	1.94	30	1.93 ⁻ ₀₆	25	1.84	20	1.84	22	1.82	20
15	1.82	23	1.95	30	1.92 ^b	25	1.88	20	1.84 ⁻ ₀₃	22	1.82	20
16	1.77	20	1.91	28	1.93	25	1.87	20	5	21	5	19
17	1.72	18	1.94	30	1.89	20	1.86	20	1.82 ⁻ ₀₄	20	1.82	20
18	1.71	17	1.94	30	1.89 ⁻ ₀₄	20	1.85	20	1.82 ^b	20	1.82	20
19	1.67	15	1.94	30	1.88	20	1.85	20	1.84 ⁻ ₀₄	21	1.82	20
20	1.73 ⁺ ₀₁	18	1.94 ^o	30	1.89	20	1.83 ^b	20	1.80 ⁻ ₀₄	19	5	18
21	5	18	1.96 ^o	31	1.92	25	1.83	20	a	20	5	18
22	5	4.6	a	30	1.92	25	1.85	20		20	1.80	18
23	1.27 ⁻ ₀₂	2.2		30	1.92	25	1.84	20		20	1.82	20
24	a	2.7		30	1.90	25	1.84	20		20	1.81 ⁻ ₀₅	19
25		4.6		30	1.92	25	1.79	20		20	1.77 ⁻ ₀₄	18
26		7.1		30	1.92	25	1.73	20	1.83 ⁻ ₀₆	20	5	16
27	a	10		30	1.90	20	1.83	20	1.83 ⁻ ₀₆	20	a	15
28	1.58 ⁻ ₀₃	10		30	1.86	20	1.88	20	1.83	20		14
29	1.58 ⁻ ₀₃	10		30	1.88	20	1.85	20	1.83 ⁻ ₀₆	20		13
30	1.56 ⁻ ₀₃	9.2	a	30	1.93	25	1.84	20	XX	XXX	a	12
31	1.60 ⁻ ₀₄	10	XX	XXX	1.93 ^b	25	1.82 ^b	20	XX	XXX	1.63 ⁻ ₀₂	12

Total	299.4	691	769	620	607	565
Mean	9.66	23.0	24.8	20.0	20.9	18.2
Run-off in acre-feet	594	1370	1530	1230	1200	1120
Maximum	23	31	30	20	22	20
Minimum	.50	11	20	20	19	12

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. _____
 Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
1.60	.02 11	a	5.0	a	100	¹³⁷ a	40	S	⁺⁰¹ 5.4	1.11	⁺⁰⁸ 1.4	1								
1.59	11		5.0		100	2.16	.02 46	S	30	1.11	⁺⁰⁸ 1.4	2								
1.60			5.0	¹²⁵ a	100	2.03	35	2.08	⁺⁰¹ 41	a	1.0	3								
1.60	11		5.0	2.57	⁺⁰³ 106	1.98	31	a	40		.80	4								
1.59	11	¹³¹ a	5.0	2.84	158	1.92	27		30		.60	5								
¹³¹ 1.58	.02 10	S	4.3	2.96	186	1.86	23		20		.60	6								
1.53	8.4	1.13	.01 .70	2.66	121	1.82	21		20		.60	7								
1.52	8.0	1.08	.35	2.82	154	1.82	21		20		.60	8								
1.53	.02 8.4	1.06	.25	2.97	188	1.81	20		20		.60	9								
1.49	.01 7.4	1.05	.20	2.99	193	1.81	20		20	¹³² a	.60	10								
1.44	5.9	1.05	.20	2.90	⁺⁰³ 172	1.79	20		20	1.05	⁺⁰⁶ .60	11								
1.44	.01 5.9	1.06	.25	2.54	⁺⁰² 100	1.77	18	¹⁴⁰ a	20	1.08	.90	12								
1.39	4.8	1.07	.30	2.34	71	1.83	22	1.68	15	1.08	.90	13								
1.37	4.4	1.12	.01 .60	2.32	68	S	16	1.64	⁺⁰¹ 14	1.11	1.2	14								
1.33	3.6	S	15	2.05	40	1.62	12	1.52	⁺⁰² 9.6	1.14	1.5	15								
1.33	3.6	1.99	33	2.03	38	¹³⁸ S	.02 9.7	1.35	⁺⁰³ 4.6	1.22	2.7	16								
1.35	4.0	S	32	2.04	⁺⁰² 39	S	.02 4.7	1.30	3.6	1.16	1.8	17								
a	4.0	S	32	1.98	34	S	4.6	1.35	⁺⁰³ 4.6	1.13	1.4	18								
	4.0	S	13	1.88	27	1.46	.01 6.5	1.46	⁺⁰⁴ 8.0	1.18	2.1	19								
	3.0	¹³⁴ S	⁺⁰² 3.0	1.94	31	1.59	11	1.44	⁺⁰⁴ 7.4	1.18	2.1	20								
¹³² 1.36	3.0	1.48	8.0	2.18	52	S	.01 8.4	S	5.9	1.15	1.6	21								
	3.0	S	3.7	2.42	82	S	3.6	S	3.6	1.11	1.2	22								
	3.0	1.06	.40	2.53	⁺⁰² 98	S	1.0	1.11	⁺⁰² 1.4	¹⁴³ 1.12	⁺⁰⁶ 1.3	23								
	3.0	1.05	⁺⁰² .35	a	80	1.09	.45	1.14	1.8	1.18	2.1	24								
	3.0	a	.40		60	S	33	1.10	1.3	1.28	3.8	25								
	4.0		.40		40	1.34	⁺⁰¹ 4.0	¹⁴⁴ 1.08	⁺⁰⁸ 1.1	1.53	12	26								
	4.0		.40		40	1.45	6.8	1.08	1.1	1.58	14	27								
	4.0		20		40	¹³⁷ S	⁺⁰¹ 2.8	1.08	1.1	1.66	17	28								
	4.0		60		40	S	.89	1.08	1.1	1.56	⁺⁰⁶ 13	29								
a	4.0		100	a	40	1.07	.40	1.08	1.1	S	6.5	30								
XX	XXX	a	80	XX	XXX	S	⁺⁰¹ 1.4	1.08	⁺⁰⁸ 1.1	XX	XXX	31								
												Water Year		1976						
175.4	433.8	2598	438.57	373.8	95.9	7666.87														
5.85	14.0	86.6	14.1	12.1	3.20	20.9														
842	860	9150	820	741	190	15210														
11	100	173	46	41	17	193														
3.0	.30	27	33	1.1	.60	.20														

by Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976.

image area _____ square miles.

Water stage recorder **STEVENS A-35 CONTINUOUS**

Max. Discharge _____ sec.-ft. on _____
 Max. G. H. 3.88 ft. at 0200 hrs on June 5, 1976 Min. Daily Discharge _____

Calendar Year
1975

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.		Day
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	
1	2.32 ¹¹⁷	⁰² 11	2.67	⁰² 28	2.66	⁰⁵ 25	2.64	^b 23	2.57	⁰¹ 22	2.21	⁰² 7.8	
2	2.28	⁰² 9.8	2.65	27	2.66	25	2.94	23	2.57	22	2.21	⁰² 7.8	
3	2.26	9.2	2.64	26	2.65	24	3.03	23	2.57	22	2.17	⁰¹ 7.0	
4	2.24	8.6	2.67	28	2.65 ¹²¹	⁰⁵ 24	2.72	^b 23	2.57	22	2.14	⁰¹ 6.2	
5	2.23	8.3	2.62	24	2.65	24	2.62	⁰⁴ 23	2.57	22	2.19	^b 6.5	
6	2.23	8.3	2.52	18	2.65	24	2.61	⁰⁴ 22	2.57	⁰¹ 22	2.17	6.5	
7	2.22	8.0	2.52 ¹¹⁹	⁰² 18	2.65	24	2.65	^b 22	2.55	⁰ 21	2.18	^b 6.8	
8	2.23	8.3	2.46	⁰³ 15	2.65	24	2.66	^b 22	2.53	20	2.16	⁰ 7.0	
9	2.23	8.3	2.37	⁰⁴ 12	2.65	24	2.60	⁰⁴ 22	2.54	20	2.11	5.8	
10	2.22	8.0	2.49	⁰⁵ 16	2.64	23	2.61	22	2.54 ¹²⁰	⁰ 20	2.07 ¹²¹	⁰ 4.9	1
11	2.22	8.0	2.68	⁰⁶ 26	2.64	23	2.61	22	2.52	19	2.05	4.5	1
12	2.21	7.8	2.71	28	2.64	23	2.61	22	2.50	18	2.07	⁰ 4.9	1
13	2.20	7.5	2.68	26	2.64	23	2.60	⁰⁴ 22	2.48	17	2.09	^b 4.3	1
14	2.20	7.5	2.66	24	2.64	⁰⁵ 23	2.62	^b 22	2.46	16	2.02	⁰¹ 3.7	1
15	2.19	7.2	2.66	24	a	23	2.60	⁰³ 22	2.46	16	2.03	^b 3.7	1
16	2.18	7.0	2.65	23		23	2.61	23	2.46	⁰ 16	2.06	^b 3.7	1
17	2.18	7.0	2.65	23		24	2.60	22	2.43	⁰¹ 15	2.03	⁰² 3.7	1
18	2.18	7.0	2.65	⁰⁶ 23	2.64 ¹²²	⁰⁴ 24	2.60	22	2.43	15	2.01	3.4	1
19	2.18	7.0	2.67	⁰⁷ 24	2.64	24	2.60	22	2.39	13	2.00	⁰² 3.2	1
20	2.13	5.8	2.68	25	2.64	24	2.59 ¹²³	⁰³ 22	2.36	⁰¹ 12	2.03	^b 3.2	2
21	2.06	4.3	2.67 ¹²⁰	⁰⁷ 24	2.64	24	2.59	22	2.47	^b 13	2.03	⁰³ 3.5	2
22	2.06	4.3	2.68	25	2.64	24	2.58	21	2.54	^b 14	2.12	5.3	2
23	2.06	4.3	2.67	24	2.64	24	2.58	21	2.44	⁰² 15	2.10	4.9	2
24	2.54	19	2.67	24	2.63	23	2.58	21	2.40	⁰² 13	1.97 ¹²⁰	⁰³ 2.6	2
25	2.64	26	2.68	⁰⁷ 25	2.63	23	2.58	⁰³ 21	2.30	⁰³ 10	1.93	⁰² 2.2	2
26	2.64	26	2.70	⁰⁶ 28	2.63	23	2.70	^b 21	2.29 ¹²¹	⁰³ 9.8	1.93	⁰² 2.2	2
27	2.64	26	2.67	⁰⁵ 26	2.63	23	2.60	^b 21	2.31	⁰³ 10	1.92	⁰¹ 2.2	2
28	2.64	26	2.67	26	2.63	⁰⁴ 23	2.57	⁰² 21	2.24	⁰² 8.6	1.91	⁰¹ 2.0	2
29	2.64	26	2.66	25	2.67	^b 23	2.58	22	2.22	⁰² 8.0	1.92	⁰ 2.3	2
30	2.64	26	2.65	⁰⁵ 24	2.63	⁰⁴ 23	2.57	21	XX	XXX	1.92	2.3	3
31	2.66	⁰² 28	XX	XXX	2.63	⁰⁴ 23	2.55	⁰² 20	XX	XXX	1.92	⁰ 2.3	3
Total		379.9		709		731		678		471.4		131	
Mean		12.3		23.6		23.6		21.9		16.3		4.4	
Run-off in acre-feet		754		1410		1450		1340		935		271	
Maximum		28		28		25		23		22		7.8	
Minimum		4.3		12		23		20		8.0		2.0	

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. _____
 Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
1.92 ⁰	2.3	1.99 ⁺	3.5	3.36 ⁰	142	3.25 ¹³³	118	2.96	68	2.80	46	1								
1.92	2.3	2.01 ⁺	4.1	3.55 ¹³³	188	3.24	116	3.23	114	2.76	41	2								
1.92	2.3	2.02 ⁺	4.5	3.58	195	3.09	87	3.23	114	2.70	35	3								
1.92	2.3	2.03 ⁺	4.9	3.67	218	3.04	80	3.13	94	2.66	32	4								
1.92	2.3	2.03 ⁺	4.9	3.79	252	3.00	74	3.04	80	2.57	25	5								
1.92	2.3	2.09 ⁺	6.0	3.68	220	2.98	72	2.91	60	2.55	24	6								
1.92 ²⁹¹	2.3	2.33 ⁺	12	3.44	160	2.97	70	2.69	31	2.59	28	7								
1.92	2.3	2.29 ⁺	11	3.54	185	2.94	66	2.71	33	2.57	26	8								
1.92	2.3	2.17 ⁺	7.5	3.63	208	2.95	68	2.76	39	2.53 ¹⁴⁹	23	9								
1.92	2.3	2.14	6.8	3.68	220	2.98	72	2.83	48	2.56	25	10								
1.92	2.3	2.19 ⁺	8.0	3.63	208	2.94	66	2.97	69	2.57	26	11								
1.92	2.3	2.24 ⁰	9.2	3.41	150	2.90	60	2.97 ¹³⁸	69	2.56	25	12								
1.92	2.3	2.24	9.2	3.29	126	2.92	63	2.83	48	2.49	21	13								
1.92	2.3	2.30 ⁰	11	3.30	128	2.92	63	2.75	38	2.47	20	14								
1.92	2.3	2.62 ⁰	25	3.14	96	2.88	57	2.70	32	2.49	21	15								
1.93	2.4	2.78 ⁰	41	3.08	86	2.88 ¹³⁴	57	2.66	28	2.56	26	16								
1.96	2.9	3.01 ⁺	74	3.12 ¹³⁴	92	2.86	54	2.62 ⁰	26	2.50	22	17								
1.98	3.2	3.12	90	3.18	104	2.84	51	2.64	28	2.51	23	18								
1.98	3.2	3.12	90	3.12	92	2.83	50	2.67	30	2.52	23	19								
1.98	3.2	3.06 ¹³⁴	81	3.19	106	2.87	56	2.66	29	2.62	33	20								
1.98 ¹⁴⁹	3.2	3.08	84	3.37	142	2.83	50	2.68	31	2.60	31	21								
1.98	3.2	3.05	80	3.48	168	2.80	45	2.69	32	2.50	23	22								
2.00	3.5	2.96	66	3.48	168	2.77	40	2.76	41	2.58 ¹⁴⁹	29	23								
1.99	3.4	2.95	64	3.28	124	2.75	38	2.80	46	2.62	33	24								
1.98	3.2	2.98	69	3.19	106	2.69	31	2.78	44	2.67	39	25								
1.98	3.2	2.90	57	3.15	98	2.72	34	2.78 ¹³³	44	2.83	60	26								
1.98	3.2	2.97	68	3.12	92	2.78	41	2.78	44	2.83	60	27								
1.98	3.2	3.14	96	3.13	94	2.69	31	2.77	43	2.80	56	28								
1.98 ⁰	3.2	3.28	124	3.12	92	2.74 ¹³²	37	2.77	43	2.79	54	29								
1.99 ⁺	3.5	3.31	130	3.10	88	2.75	38	2.78	44	2.80	56	30								
XX	XXX	3.23	114	XX	XXX	2.80	44	2.79	45	XX	XXX	31								
													Water Year		1976					
854		1455.6		4348		1829		1535		1006		13364.7								
235		47.0		145		59.0		49.5		33.5		36.5								
119		2890		8320		3630		3040		2000		26510								
35		130		252		118		114		60		252								
23		3.5		86		31		26		20		2.0								

ly Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

ainage area 1218 square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 620 cfs. at 0100 HRS on NE 10, 1976 G. H. 2.7 ft.
 Max. G. H. 3.09 ft. at 0700 HRS on June 10, 1976 Min. Daily Discharge 150 cfs. on sec.-ft. on

Calendar Year 1975

Day.	OCT.		NOV.		DEC. 1975		1976 JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.88 ⁺⁰²	325	0.90 ⁺⁰¹	332	0.76 ⁺⁰²	249	a	230	0.72 ⁺⁰³	232	0.75 ⁺⁰¹	238
2	.83	292	.88	318	.82	286		220	.72	232	.75	238
3	²⁴⁰ .81 ⁺⁰²	280	.87	312	.81	280		210	.70	222	.76	244
4	.78	260	.97	381	.81	280		210	.69	216	.76	244
5	.77	254	1.09	475	⁷⁴⁹ .80 ⁺⁰²	273		220	.68	210	.77 ⁺⁰¹	249
6	.77	254	1.08	467	.80	273		220	.70	222	.74 ⁺⁰²	238
7	.77	254	⁷⁴³ .707 ⁺⁰¹	459	.80	273		210	.72 ⁺⁰³	232	.74	238
8	.77	254	1.12	500	.79 ⁺⁰²	266		220	a	230	.75	244
9	.77	254	1.13	509	.80 ⁺⁰¹	266	⁷⁴⁶	220		230	.73	232
10	.77	254	1.13	509	.80	266		220		240	.73	232
11	.78	260	1.16	534	.80	266		220	⁷⁴⁸ a	230	⁷⁵⁰ .74 ⁺⁰²	238
12	.78	260	1.13	509	.80	266		220	.68 ⁺⁰³	210	.73	232
13	.77	254	1.16	534	.80	266		210	.68 ⁺⁰³	210	.72	227
14	.77	254	1.17	543	.80 ⁺⁰¹	266		210	.71 ⁺⁰²	222	.73	232
15	.78	260	1.17	543	.77 ⁰	244		220	.72	227	.73	232
16	.80	273	1.17	543	.78	249		220	.72	227	.71	222
17	.79	266	1.17	543	.78	249		220	.72	227	.72	227
18	.79	266	1.18	552	.78 ⁰	249		220	.71	222	.72	227
19	.78	260	1.18 ⁺⁰¹	552	⁷⁴⁵ .77 ⁺⁰¹	238		220	.71	222	.73	232
20	.78	260	1.15 ⁺⁰²	534	.76	232		220	.72	227	.69 ⁺⁰²	210
21	.77	254	⁷⁴³ .712 ⁺⁰²	509	.76	232	²⁴⁰ a	220	.68	205	.73 ⁺⁰¹	227
22	.77	254	1.11	500	.75	227	.72 ⁺⁰³	232	.66 ⁺⁰²	195	.74 ⁺⁰¹	232
23	.77	254	1.13	518	.77	238	.72	232	.70 ⁺⁰¹	210	.81 ⁰	266
24	²⁴¹ .79 ⁺⁰²	266	1.13	518	.76	232	.73	238	.73	227	.83	280
25	.80	273	1.13	518	.75	227	.72	232	.70	210	⁷⁵¹ .82 ⁰	273
26	.83	292	1.11	500	.76	232	.67	207	.70	210	.86	299
27	.86	312	1.10	492	.76	232	.71	227	²⁴⁹ .71 ⁺⁰¹	216	.85	292
28	.85	306	1.12	509	.73	216	.75	249	.72	222	.88	312
29	.84	299	.92	353	.72	210	.74	244	.75 ⁺⁰¹	238	.87	306
30	.83 ⁺⁰²	292	.78 ⁺⁰²	260	.75	227	.74	244	XX	XXX	.85	292
31	.87 ⁺⁰¹	312	XX	XXX	.77 ⁺⁰¹	238	.72 ⁺⁰³	232	XX	XXX	.73 ⁰	222
58636	Total	8408	14326	7748	6917	6423	7677					
709	Mean	271	478	250	223	221	248					
13000	Run-off in acre-feet	16680	28420	15370	13720	12740	15230					
3540	Maximum	325	552	286	240	240	312					
150	Minimum	254	260	210	200	195	210					

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07091500

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
0.63	170	1.21	569	2.14	1380	2.01	1250	1.82	1050	1.01	368	1									
.63	170	1.11	484	2.42	1690	2.11	1340	1.98	1220	.97	360	2									
.64	175	1.13	500	2.57	1850	2.05	1280	1.96	1190	.95	346	3									
.67	190	1.19	552	2.67	1970	1.99	1230	1.85	1080	.94	339	4									
.70	205	1.25	605	2.79	2120	1.93	1160	1.78	1010	.97	360	5									
.72	216	1.32	669	2.98	2360	1.78	1010	1.64	870	.97	360	6									
.68	195	1.22	578	2.83	2150	1.72	950	1.42	660	.98	367	7									
.68	195	1.23	587	2.89	2230	1.52	754	1.42	660	.97	360	8									
.70	205	1.18	543	2.94	2300	1.82	1060	1.44	678	.97	360	9									
.73	222	1.16	526	3.03	2420	1.97	1240	1.47	707	.96	353	10									
.74	227	1.18	543	3.02	2400	2.02	1300	1.48	716	.95	346	11									
.76	238	1.22	578	2.76	2080	1.99	1260	1.51	745	.93	332	12									
.77	244	1.26	614	2.51	1780	2.01	1280	1.36	632	.94	339	13									
.73	222	1.25	605	2.31	1560	2.01	1280	1.33	614	.94	339	14									
.70	205	1.32	669	2.02	1260	1.90	1170	1.28	578	.94	339	15									
.70	205	1.41	745	2.14	1430	1.88	1150	1.22	543	.97	360	16									
.70	205	1.53	840	2.09	1380	1.86	1130	1.17	509	.94	339	17									
.68	195	1.05	983	2.07	1360	1.85	1120	1.16	500	.92	325	18									
.67	190	1.80	1070	1.98	1250	1.87	1140	1.12	475	5	349	19									
.74	227	1.90	1160	1.92	1180	1.93	1190	1.10	459	5	399	20									
.88	312	2.07	1320	2.03	1310	1.90	1160	1.12	475	.92	306	21									
.89	318	2.07	1320	2.21	1510	1.85	1100	1.08	451	.88	280	22									
.90	325	2.02	1260	2.62	1900	1.82	1060	1.07	443	1.12	443	23									
.90	325	1.84	1060	2.73	2020	1.79	1030	1.10	467	1.21	518	24									
.94	353	1.74	960	2.52	1780	1.74	980	1.10	467	1.22	526	25									
1.32	669	1.54	764	2.22	1460	1.78	1010	1.08	451	1.41	698	26									
1.32	669	1.54	764	2.00	1260	1.82	1050	1.07	443	1.44	726	27									
1.33	678	1.67	890	1.91	1160	1.84	1070	1.07	443	1.42	707	28									
1.37	716	1.80	1020	1.61	850	1.77	1000	1.06	435	1.36	650	29									
1.37	716	2.00	1240	1.82	1050	1.72	950	1.05	427	1.32	614	30									
XX	XXX	1.98	1220	XX	XXX	1.72	950	1.03	411	XX	XXX	31									
												Water Year									
												1976									
9182		25238		50450		34654		19809		12528		204360									
306		814		1680		1120		639		418		558									
18210		50060		100100		68740		39290		24850		405300									
716		1320		2420		1340		1220		726		2420									
170		484		850		754		411		280		170									

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 110 Sec. ft. at 0400 Hrs on Sept. 27, 1976 G. H. 2.76 ft.
Max. G. H. 3.28 ft. at 0600 Hrs on Jan. 5, 1976 Min. Daily Discharge _____ sec.-ft. on _____

Day.	OCT.		NOV. ✓		DEC. ✓		JAN.		FEB. ✓		MAR. ✓	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.71 ⁺ _{.02}	10	1.82 ⁺ _{.04}	17	2.38 ⁺ _{.08}	70	2.15 ^b	45	2.18 ⁺ _{.01}	39	2.15 ^o	36
2	1.72	11	1.79 ⁺ _{.05}	16	2.32 ⁺ _{.07}	61	a	45	2.18	39	2.13	34
3	1.67 ⁺ _{.02}	8.6	1.78	15	2.31	60	2.61 ^b	45	2.16	38	2.12	34
4	1.64	7.2	1.77	15	2.28	56	3.03	45	2.15	37	2.10 ^o	32
5	1.63	6.8	1.76	14	2.28 ⁺ _{.07}	56	2.94	45	2.22	43	5 ^v	36
6	1.62	6.3	1.74	13	2.26	54	2.28	45	2.28	49	5 ^v	35
7	1.59	5.0	1.74 ⁺ _{.05}	13	2.27	55	2.63	45	2.29	50	2.18 ^o _{.04}	35
8	1.58	4.5	1.73	13	2.25	52	2.92	45	2.29	50	2.19	36
9	1.62	6.3	1.74	13	2.27	55	2.67 ^{12.8A}	50	2.24	45	2.17	34
10	1.60	5.4	1.73 ⁺ _{.05}	13	2.27	55	2.27	50	2.20	41	2.19	36
11	1.60	5.4	1.77 ⁺ _{.06}	15	2.27	55	2.32	50	2.17 ⁺ _{.01}	38	2.19 ^o _{.04}	36
12	1.61	5.8	1.75 ⁺ _{.06}	14	2.25	52	2.24	50	2.18	39	2.16	34
13	1.62	6.3	1.89 ⁺ _{.07}	23	2.26	54	2.25	50	2.17	38	5	34
14	1.63	6.8	2.01 ⁺ _{.08}	31	2.23 ⁺ _{.07}	50	2.36	55	2.21	42	2.17	34
15	1.63	6.8	1.99	30	2.19 ^b	50	2.23	55	2.20	41	2.18	35
16	1.62	6.3	1.98	29	2.28	50	2.23	55	2.18	39	2.16	34
17	1.63 ⁺ _{.02}	6.8	1.98	29	2.34	50	2.23	55	2.17 ⁺ _{.01}	38	2.10	29
18	1.67 ⁺ _{.01}	8.1	1.96 ⁺ _{.08}	28	2.44	45	2.24	60	5 ^o	36	2.07 ^o _{.04}	27
19	1.62	5.8	2.01 ⁺ _{.09}	32	2.38 ^{12.2}	45	2.23	60	2.19	39	1.96 ^o _{.03}	21
20	1.62	5.8	2.21 ⁺ _{.10}	51	2.33	45	2.28	60	2.21	41	1.87 ^o _{.02}	16
21	1.66	7.6	2.25 ⁺ _{.11}	57	2.32	45	2.32 ^{12.1}	60	5	36	1.87	16
22	1.67	8.1	a	58	2.27	45	2.30	60	5	41	1.87	16
23	1.68	8.6	a	59	2.28	45	2.26	60	2.20	40	1.83	14
24	1.71 ⁺ _{.01}	9.9	2.28 ⁺ _{.10}	60	2.23	45	2.20	55	2.19	39	1.74	9.9
25	1.70 ⁺ _{.01}	9.4	2.30	62	2.27	45	2.14	55	2.18	38	1.71 ⁺ _{.02}	8.6
26	1.75 ⁺ _{.02}	12	2.25 ⁺ _{.10}	56	2.24	45	2.28	50	2.21	41	1.71 ^o _{.02}	8.6
27	1.76	13	2.30 ⁺ _{.09}	61	2.22	45	2.47 ^{12.1}	50	2.19 ^o	39	1.65 ^o _{.01}	6.3
28	1.75	12	2.31	62	2.23	40	2.21	50	2.18	38	1.62 ^o	5.4
29	1.75	12	2.30	61	2.30	45	2.24	45	2.15 ^o	36	1.64	6.3
30	1.75 ⁺ _{.02}	12	2.27 ⁺ _{.09}	57	2.26	45	2.25	40	XX	XXX	1.63	5.8
31	1.78 ⁺ _{.03}	14	XX	XXX	2.22 ^b	45	2.23 ^b	40	XX	XXX	1.64 ^o	6.3

Total	253.6	1017	1560	1575	1170	751.2
Mean	8.18	33.9	50.3	50.8	40.3	24.2
Run-off in acre-feet	503	2020	3090	3120	2320	1490
Maximum	14	62	70	60	50	36
Minimum	4.5	13	45	40	36	5.4

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. _____
Rating Table Used _____

APR. ✓		MAY ✓		JUNE ✓		JULY ✓		AUG. ✓		SEPT. ✓		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
1.64 ⁰	63	1.42 ⁺⁰¹	16	1.63 ⁰	5.8	1.34 ⁺⁰¹	0.76	S	8.3	1.51 ⁻⁰¹	2.5	1									
1.63	5.8	1.42	16	1.73	10	1.33	.68	1.92 ⁺⁰²	21	1.50	24	2									
1.61 ⁰	5.0	1.43	1.7	1.73 ⁰	10	1.33	.68	1.86	18	1.49	2.2	3									
1.58 ⁺⁰¹	4.2	1.43	1.7	1.86	17	1.33	.68	1.74	12	1.48	2.1	4									
1.56	3.8	1.43 ⁺⁰¹	1.7	2.02	26	1.35 ⁺⁰¹	.84	1.62	6.3	1.50	2.4	5									
1.57	4.0	1.46 ⁺⁰²	2.2	2.03	27	1.37 ⁰	.92	1.55	3.8	1.51	2.5	6									
1.57 ⁺⁰¹	4.0	1.54	3.6	1.95 ⁰	22	1.38	1.0	1.51 ⁺⁰²	3.0	1.49	2.2	7									
1.57	4.0	1.57	4.2	2.13 ⁺⁰¹	35	1.37	.92	S	8.5	1.51	2.5	8									
1.57	4.0	1.54	3.6	2.10	33	1.32	.54	1.90 ⁺⁰¹	20	1.51	2.5	9									
1.57 ⁺⁰¹	4.0	1.48	2.5	2.08 ⁺⁰¹	31	1.37 ⁰	.92	1.85	17	1.51	2.5	10									
1.54 ⁰	3.2	1.48	2.5	1.91 ⁺⁰²	21	1.33 ⁻⁰¹	.54	1.74	11	1.55	3.2	11									
1.53	3.0	1.49	2.6	1.77 ⁰	13	1.37	.84	1.70 ⁺⁰¹	9.4	1.58	3.8	12									
1.50	2.5	1.48	2.5	1.70 ⁺⁰²	9.9	1.35	.68	1.68 ⁺⁰¹	8.6	1.58 ⁻⁰¹	3.8	13									
1.51 ⁰	2.6	1.48	2.5	1.67 ⁺⁰³	9.0	1.34	.61	1.58 ⁰	4.0	S	10	14									
1.55 ⁻⁰¹	3.2	1.49 ⁺⁰²	2.6	1.62	6.8	1.33	.54	1.47	2.1	1.79 ⁰	1.3	15									
1.56 ⁻⁰¹	3.4	S	1.5	1.57	4.5	1.32 ⁺⁰¹	.47	1.49	2.4	1.89 ⁰	1.8	16									
1.59 ⁻⁰²	3.8	S	2.1	1.54 ⁺⁰³	3.8	1.33	.54	1.49	2.4	1.74 ⁺⁰¹	1.1	17									
1.61	4.2	1.96 ⁻⁰¹	2.2	1.55	4.0	1.32	.47	1.51	2.6	1.72	1.0	18									
1.62 ⁻⁰²	4.5	1.95	2.1	1.51 ⁺⁰³	3.2	1.34 ⁻⁰¹	.61	1.54	3.2	1.71	9.9	19									
1.58 ⁻⁰³	3.4	1.90	1.8	1.46 ⁺⁰²	2.2	1.39 ⁰	1.1	1.54	3.2	1.69	9.0	20									
1.55 ⁻⁰⁴	2.6	1.82 ⁻⁰¹	1.4	1.40 ⁺⁰²	1.4	1.41	1.3	1.53	3.0	1.67	8.1	21									
1.48 ⁻⁰⁴	1.7	1.82	1.4	1.30 ⁺⁰¹	.47	1.41	1.3	1.52	2.8	1.66	7.6	22									
1.43 ⁻⁰³	1.2	1.77 ⁻⁰¹	1.2	1.29	.40	1.41	1.3	1.47 ⁰	2.1	1.66	7.6	23									
1.40 ⁻⁰²	1.0	1.70 ⁰	9.0	1.34	.76	1.41	1.3	1.53 ⁻⁰¹	2.8	1.64 ⁺⁰¹	6.8	24									
1.38 ⁻⁰¹	.92	1.71	9.4	1.31	.54	1.42	1.4	1.55	3.2	1.65 ⁺⁰¹	7.2	25									
1.38 ⁻⁰¹	.92	1.66	7.2	1.26	.31	1.45 ⁰	1.8	1.51 ⁻⁰¹	2.5	S	6.7	26									
1.39 ⁰	1.1	1.63	5.8	1.24	.25	S	6.1	1.40	1.1	2.63 ⁻⁰³	9.0	27									
1.40 ⁺⁰¹	1.3	1.72	9.9	1.30	.47	S	10	1.45	1.7	2.40 ⁻⁰⁴	5.7	28									
1.41	1.4	1.78	1.3	1.34	.76	1.47 ⁺⁰³	2.5	1.49	2.2	2.30 ⁻⁰⁵	4.5	29									
1.42 ⁺⁰¹	1.6	1.77	1.2	1.32 ⁺⁰¹	.61	1.51	3.2	1.49	2.2	2.24 ⁻⁰⁵	3.9	30									
XX	XXX	1.68 ⁰	8.1	XX	XXX	1.49 ⁺⁰³	2.8	1.50 ⁻⁰¹	2.4	XX	XXX	31									
92.64		248.5		300.17		47.34		192.8		440.8		2649.0									
3.09		8.02		10.0		1.53		6.22		14.7		20.0									
184		493		595		94		382		874		15170									
6.3		22		35		10		20		90		90									
.92		5.8		.25		.47		1.1		2.1		.25									

D. DE YOUNG
 G. LARGENT
 D. DE YOUNG
 G. LARGENT
 D. DE YOUNG
 G. LARGENT
 G. H. COOPD.
 G. H. CHECK
 Water Year
1976

12-8-76

12-8-76

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area 1485 square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 649 cfs. at 1300 hrs on JUNE 10, 1976 G. H. 5.17 ft.
 Max. G. H. 5.92 ft. at 1300 hrs on JUNE 10, 1976 Min. Daily Discharge _____ sec.-ft. on _____

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	3.30	⁰⁵ 375	3.35	⁰⁶ 391	3.19	⁰² 343	a	300	3.08	⁰¹ 303	3.12	⁰ 323
2	3.23	347	3.32	379	3.32	395		300	3.07	⁰¹ 299	3.10	315
3	²⁴⁶ 3.18	⁰⁵ 327	3.29	⁰⁶ 367	3.31	⁰² 391		300	3.03	⁰ 287	3.12	323
4	3.13	⁰⁴ 311	S	^V 432	3.29	⁰¹ 387		300	3.02	283	3.12	323
5	3.11	303	3.68	⁰⁸ 530	²⁸⁹ 3.28	⁰¹ 383		300	3.03	287	3.11	319
6	3.10	299	3.66	521	3.27	379		300	3.03	287	3.07	⁰ 303
7	3.10	⁰⁴ 299	²⁴⁴ 3.67	⁰⁸ 526	3.27	⁰¹ 379		300	3.05	295	3.10	⁰¹ 311
8	3.08	⁰³ 295	3.74	⁰⁷ 565	3.25	⁰² 367		300	3.05	295	3.12	319
9	3.10	303	3.78	⁰⁷ 585	3.26	371	²⁵⁷ a	⁰⁴ 300	3.08	307	3.10	311
10	3.09	299	3.75	⁰⁶ 575	3.25	⁰² 367	3.12	307	3.10	315	3.10	311
11	3.12	311	3.81	⁰⁶ 605	3.26	⁰³ 367	3.07	287	²⁵⁴ 3.05	⁰ 295	²⁵⁴ 3.11	⁰¹ 315
12	3.12	311	3.76	⁰⁵ 585	3.26	⁰³ 367	3.09	295	3.02	283	3.08	303
13	3.11	307	3.82	⁰⁵ 615	3.24	⁰⁴ 355	3.07	⁰⁴ 287	3.03	287	3.04	287
14	3.11	307	3.87	⁰⁴ 645	3.24	⁰⁴ 355	3.03	⁰³ 275	3.06	299	3.08	303
15	3.12	311	3.89	655	3.17	⁰⁶ 319	3.09	299	3.07	303	3.09	307
16	3.16	327	3.88	650	3.18	323	3.09	299	3.07	303	3.04	287
17	3.15	⁰³ 323	3.88	650	3.19	327	3.09	299	3.06	299	3.06	295
18	3.13	⁰² 319	3.88	650	3.17	319	3.08	295	3.01	279	3.04	287
19	3.12	315	3.88	650	²⁵¹ a	⁰⁶ 320	3.08	295	3.06	299	3.00	272
20	3.11	311	3.88	⁰⁴ 650		312	3.04	279	3.08	307	2.92	244
21	3.10	307	²⁴⁹ 3.85	⁰³ 640		310	²³⁹ 3.03	⁰³ 275	2.97	264	2.98	264
22	3.10	307	3.81	620		300	3.04	279	2.93	250	3.02	279
23	3.09	303	3.86	645		310	3.04	279	3.03	287	3.10	311
24	²⁴² 3.13	⁰² 319	3.87	650		300	3.06	287	3.09	311	3.16	335
25	3.15	⁰³ 323	3.88	655		290	3.02	⁰³ 272	3.03	287	²⁵² 3.14	⁰¹ 327
26	3.22	⁰⁴ 347	3.77	600		300	2.92	⁰² 240	3.04	291	3.21	355
27	3.28	⁰⁵ 367	3.74	585		300	3.01	272	²⁵¹ 3.07	⁰ 303	3.21	355
28	3.25	355	3.77	⁰³ 600		290	3.12	315	3.07	303	3.23	363
29	3.22	343	S	^V 490		280	3.10	307	3.11	⁰ 319	3.24	367
30	3.22	⁰⁵ 343	3.25	⁰² 367		300	3.09	⁰² 303	XX	XXX	3.20	⁰¹ 351
31	3.27	⁰⁶ 359	XX	XXX	a	310	3.07	⁰¹ 299	XX	XXX	2.99	⁰ 311

Total	9975	17078	10414	9045	8527	9676
Mean	322	569	336	292	294	312
Run-off in acre-feet	19780	33870	20660	17940	16910	19190
Maximum	375	655	395	315	319	367
Minimum	295	367	280	240	250	244

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07093700

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
2.80 ⁰	205	3.81 ⁰³	620	4.90 ⁺⁰²	1380	4.76 ⁺⁰³	1280	4.52 ⁰	1070	3.46 ⁰⁷	436	1	D. DeYoung							
2.78	198	3.65	540	5.22 ⁺⁰³	1670	4.84 ⁺⁰³	1340	4.73 ⁰¹	1220	3.37 ⁰⁶	400	2								
2.80	205	3.68	555	5.39 ⁺⁰³	1840	4.78	1290	4.68 ⁰¹	1180	3.34	387	3								
2.82	212	3.77	600	5.51 ⁺⁰³	1970	4.73	1250	4.56 ⁰²	1090	3.33	383	4	D. DeYoung							
2.89	236	3.87	650	5.64	2120	4.67	1200	4.47 ⁰³	1020	3.38	404	5								
2.92	247	3.94 ⁰³	686	5.79	2310	4.50	1080	4.33 ⁰⁴	914	3.38	404	6								
2.86 ⁰	226	3.83	630	5.70	2200	4.43	1030	4.08 ⁰⁵	758	3.39	408	7	D. DeYoung							
2.84	219	3.84	635	5.75	2260	4.21 ⁺⁰³	884	4.07 ⁰⁵	742	3.39	408	8								
2.87 ⁰	230	3.77	600	5.79	2310	4.50 ⁺⁰⁴	1090	4.11 ⁰⁶	770	3.37	400	9								
2.93 ⁰¹	247	3.69	560	5.86	2410	4.70 ⁺⁰⁵	1240	4.14	788	3.35 ⁰⁶	391	10	D. DeYoung							
2.94	250	3.73	580	5.84	2380	4.77	1300	4.13	782	3.34	387	11								
2.96	258	3.77	600	5.61 ⁺⁰³	2090	4.73	1260	4.18 ⁰⁶	812	3.32	379	12								
3.00	272	3.83	630	5.40 ⁺⁰⁴	1860	4.77	1300	4.01 ⁰⁷	704	3.33	383	13	D. DeYoung							
2.95	254	3.83	630	5.20 ⁺⁰⁵	1670	4.78	1300	3.97	680	S	410	14								
2.88	230	3.92 ⁰³	675	4.83	1340	4.64	1190	3.89	640	3.35	391	15								
2.88 ⁰¹	230	4.07 ⁰²	770	4.99	1470	4.62 ⁺⁰⁵	1180	3.82 ⁰⁷	605	3.39	408	16	D. DeYoung							
2.90 ⁰²	233	4.25 ⁰¹	884	4.92	1420	4.58	1150	3.77 ⁰⁸	555	3.35	391	17								
2.88	226	4.43 ⁰¹	1000	4.90 ⁺⁰⁵	1400	4.57	1140	3.71	545	3.29	367	18								
2.83	208	4.57 ⁰	1110	4.80	1320	4.59	1160	3.67	526	3.30	371	19	D. DeYoung							
2.88 ⁰²	226	4.68 ⁰¹	1190	4.72	1260	4.67	1220	3.63	508	S	475	20								
3.22 ⁰³	351	4.87 ⁺⁰²	1350	4.85	1360	4.62 ⁺⁰⁵	1180	3.63	508	3.31	375	21								
3.25 ⁰³	363	4.88	1360	5.04 ⁺⁰⁵	1510	4.58 ⁺⁰⁴	1140	3.61	498	3.24 ⁰⁶	347	22	D. DeYoung							
3.27	371	4.82	1310	5.39 ⁺⁰⁴	1850	4.52 ⁺⁰⁴	1100	3.57	480	3.57 ⁰⁷	485	23								
3.27	371	4.61	1150	5.50 ⁺⁰³	1960	4.49 ⁺⁰³	1070	3.62	503	3.74 ⁰⁸	560	24								
3.31	387	4.49	1070	5.32	1770	4.45	1050	3.62	503	3.76 ⁰⁸	570	25	D. DeYoung							
3.98	710	4.25	902	5.02	1480	4.46 ⁺⁰³	1050	3.60	494	4.06 ¹⁰	716	26								
3.97	704	4.23	890	4.77	1280	4.54 ⁺⁰²	1100	3.58 ⁰⁸	485	4.18	788	27								
4.00	722	4.38	990	4.68	1210	4.58 ⁺⁰²	1130	3.55	472	4.10	740	28	D. DeYoung							
4.02	734	4.52	1090	4.30	941	4.49 ⁺⁰¹	1060	3.52	458	4.02	692	29								
4.02 ⁰³	734	4.78	1280	4.52 ⁺⁰³	1100	4.43 ⁺⁰¹	1020	3.50 ⁰⁸	449	3.96 ¹⁰	660	30								
XX	XXX	4.76 ⁺⁰²	1260	XX	XXX	4.43 ⁺⁰¹	1020	3.48 ⁰⁷	444	XX	XXX	31	Water Year 1976							
10059		26797		51141		35804		21203		13916		223633								
335		864		1700		1150		684		464		611								
19950		53150		101400		71020		42060		27600		443600								
734		1280		2410		1340		1220		788		2410								
198		540		941		884		444		347		240								

TEXAS

River at
Creek near

MOUTH, TEXAS CREEK, COLORADO

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder **A-35 CONTINUOUS**

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.86 ⁺	52	2.37 ⁺	48	2.20 ^b	22	2.14 ^b	14	2.09 ⁺	20	2.11 ⁺	20
2	1.86 ⁺	52	2.24	29	2.22 ^o	25	2.21	14	2.08 ⁺	19	2.09	18
3	1.86 ⁺	52	2.20	24	2.22	25	2.22	13	2.10 ⁺	21	2.07	17
4	1.88 ^o	55	2.18	22	2.21	24	2.37	13	2.07 ⁺	18	2.02 ⁺	13
5	1.89	58	2.17	21	2.20	23	2.37	15	2.08 ^b	17	2.09 ^b	14
6	1.89	58	2.15	20	2.21	24	2.28	14	2.06	16	2.09 ^b	15
7	1.89	58	2.13	18	2.20	23	2.07	14	2.07	15	2.08 ⁺	17
8	1.91 ¹²⁷	64	2.13	18	2.18 ¹³¹	21	2.27	14	2.12	15	2.11	19
9	1.90	60	2.17	21	2.19	22	2.65 ¹³³	14	2.16	15	2.11 ¹³⁷	19
10	1.88	55	2.18 ¹²⁹	22	2.20	23	2.47	15	2.13 ^b	17	2.12	20
11	1.90	60	2.18 ⁺	22	2.20	23	2.30	16	2.07 ⁺	17	2.11	19
12	1.91	64	2.14 ^b	17	2.20	23	2.20	17	2.10	20	2.09	17
13	1.91	64	2.16 ^b	19	2.18 ^o	21	2.10	17	2.09	19	2.04	14
14	1.93	70	2.15 ⁺	20	2.14 ^b	19	2.29	17	2.12	21	2.09	17
15	1.94	74	2.17	21	2.22	19	2.14	18	2.09	19	2.08 ⁺	17
16	1.97	84	2.17	21	2.22	19	2.13	18	2.07	17	2.06 ⁺	14
17	1.97	84	2.17	21	2.28	20	2.43	17	2.06	17	2.08	16
18	1.93	70	2.17	21	2.34	21	2.12	14	2.04	15	2.09	17
19	1.93	70	2.18 ⁺	22	2.28	21	2.11	12	2.06 ⁺	17	2.09	17
20	1.94	74	2.18 ^b	21	2.29	21	2.06	10	2.04 ⁺	15	2.03	13
21	1.93	70	2.23	21	2.31	21	2.07 ¹³⁴	90	2.07 ^b	15	2.03	13
22	1.93 ^o	70	2.26	22	2.30	21	2.08	10	2.11	15	2.05 ¹³⁵	14
23	2.01 ⁺	11	2.25	22	2.21 ^b	21	2.08	11	2.10	16	2.07	15
24	2.08	14	2.23 ¹³⁰	23	2.17 ⁺	22	2.07	12	2.10 ^b	16	2.04 ⁺	13
25	2.08	14	2.19 ^o	22	2.14	20	2.06	13	2.08 ⁺	17	2.00 ⁺	11
26	2.09	15	2.30 ^b	24	2.13	19	2.00	15	2.10	19	1.98	9.5
27	2.08	14	2.26	28	2.11	17	2.04 ^b	17	2.11	20	1.97 ⁺	9.2
28	2.08	14	2.23 ^b	23	2.09 ⁺	16	2.08 ⁺	19	2.13	21	1.99 ⁺	9.5
29	2.08 ¹²⁸	14	2.18 ^o	21	2.17 ^b	15	2.09	20	2.13 ⁺	21	2.03 ⁺	12
30	2.07	14	2.16 ^b	21	2.15 ^b	15	2.10	21	XX	XXX	2.06 ^o	13
31	S	27	XX	XXX	2.09 ^o	14	2.09 ⁺	20	XX	XXX	2.06 ^o	13
Total		2788		675		640		4630		510		4652
Mean		8.99		225		20.6		14.9		17.6		15.0
Run-off in acre-feet		553		1340		1270		918		1010		923
Maximum		27		48		25		21		21		20
Minimum		5.2		17		14		9.0		15		9.2

ft. on _____
 G. H. on _____
 sec.-ft. on _____
 Min. Daily Discharge _____
 on _____
 Sec. ft. at _____
 on _____
 ft. at _____
 Max. Discharge _____
 Max. G. H. _____
 Calendar Year 1975

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. _____

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
2.13 ^o	17	2.06 ^{oz}	12	1.60 ^{o1}	048	2.02 ^{oz}	95	5	154	2.37 ⁴⁹	55	1									
2.19 ^o	22	2.00	8.8	1.66	80	2.03	10	5	83	2.31	4.0	2									
2.16	20	2.00	8.8	1.71	15	2.00 ^{oz}	8.8	2.57 ³⁶	24	2.27 ⁴⁹	30	3									
2.12	17	1.98	8.1	1.70 ^{o1}	14	1.97 ^{o1}	8.1	5	35	2.29 ⁴⁸	34	4									
2.08	14	1.96	74	1.83 ^o	42	1.95 ^{o1}	74	2.71 ⁴⁷	28	2.29	34	5									
2.09	14	1.99 ^{oz}	84	1.98	8.8	1.92 ^o	67	2.66	27	2.29	34	6									
2.05	12	2.31 ^{o1}	35	2.04 ¹⁴⁴¹	12	1.92 ^o	67	2.63	20	2.26	30	7									
2.02	11	2.22	24	2.10	15	1.91 ^o	64	2.63	20	2.14 ⁴⁸	30	8									
1.99	9.2	2.12	16	2.11 ^o	16	1.89 ^{o1}	55	2.60	17	2.09 ⁴⁷	60	9									
1.98	8.8	2.07	13	2.09 ^{o1}	14	1.87	50	2.57	15	2.08	55	10									
1.98	8.8	2.03	11	2.00	9.2	1.85 ^{o1}	45	2.57	15	1.91	18	11									
2.00	9.5	2.00	9.2	1.93 ^{o1}	6.7	1.85 ^{oz}	4.2	2.58	16	11.81 ⁴⁷	84	12									
2.05	12	1.99	8.8	1.89 ^{oz}	5.2	1.86	45	2.53	13	5	9.6	13									
2.02	11	1.97 ¹⁴²¹	8.1	1.85	4.8	1.93 ^{oz}	64	247 ¹⁴⁹¹	9.5	249 ⁴⁵	12	14									
2.03	11	1.95	74	1.79 ^{oz}	2.8	1.86 ^{oz}	4.8	241	74	241	8.1	15									
2.02 ⁴⁰¹	11	1.96	7.8	1.77 ^{oz}	2.2	1.88 ^{oz}	4.8	233	5.0	243	8.8	16									
2.06	13	1.96	7.8	1.77	2.2	1.86 ^{oz}	4.2	222	24	246 ⁴⁵	10	17									
2.12	17	1.91 ^{o1}	6.0	1.80 ^{oz}	2.8	1.83 ^{oz}	32	222	24	242 ⁴⁵	8.4	18									
2.20	23	1.88 ^{oz}	5.0	1.80 ^{oz}	2.6	1.82	30	233	5.0	5	10	19									
2.21	24	1.87	4.8	1.80	2.6	1.79	24	233	5.0	253 ⁴⁰	17	20									
2.12	17	1.86	4.5	1.81	2.8	1.84 ¹⁴⁷¹	35	233	5.0	244 ⁴⁰	12	21									
2.07	13	1.88	50	1.79 ¹⁴⁵¹	24	1.85	38	231	45	a	9.2	22									
2.06 ^o	13	1.87	4.8	1.80	2.6	1.81	2.8	229	4.0		8.1	23									
2.03 ^{o1}	11	1.85	4.2	1.86	4.0	1.85	34	233 ⁴⁷	5.0		6.0	24									
2.02	10	1.80	3.0	1.90 ^{oz}	5.0	1.88	45	5	18		7.0	25									
2.02 ^{o1}	10	1.70 ¹⁴³¹	12	1.92 ^{oz}	5.8	2.01	84	247 ⁴⁹	8.8		15	26									
1.99 ^{oz}	8.4	1.65	65	1.92	5.8	2.15	16	246	6.4		70	27									
1.97	7.8	1.61	48	1.91	55	2.05	10	245	8.1		65	28									
1.97 ¹⁴¹¹	7.8	1.57	40	1.94 ^{oz}	6.4	1.98	74	250	10		60	29									
2.03 ^{oz}	10	1.58 ^{oz}	42	2.00 ^{oz}	8.8	1.95	64	246 ¹⁵⁰¹	8.4	a	55	30									
XX	XXX	1.59 ^{o1}	46	XX	XXX	5 ^{oz}	8.4	2.35 ⁴⁹	5.0	XX	XXX	31									
3933		242.51		164.38		190.7		5839		419.17										5025.96	
13.1		7.82		5.48		6.15		18.8		1140										13.7	
780		481		326		378		1160		831										9970	
2.4		35		16		16		154		70										154	
7.8		0.40		0.48		24		24		0.04										0.04	

Water Year
1976

GRAPE

Creek near **WESTCLIFFE, COLO.**

Daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 1976

rainage area **320** square miles.

Water stage recorder **A-35 CONTINUOUS**

Max. Discharge **175** Sec. ft. at **0630** Hrs on **SEPT 27, 1976** G. H. **1.49** ft.
 Max. G. H. **1.49** ft. at **0630** on **SEPT 27, 1976** Min. Daily Discharge **sec.-ft. on**
 S- SUBDIVIDED DAY. V- VARIABLE SHIFT. b- KE EFFECT.

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.47 ⁰⁷	12	0.63 ⁰⁹	30	0.98 ^b	18	0.54 ^b	12	0.50 ^b	19	0.61 ⁰⁹	28
2	.47	12	.60	27	1.08	22	.68	10	.49 ⁰⁹	19	.59	26
3	.47	12	.60	27	1.08	25	.84	8.0	.51	19	S ⁰⁹	20
4	.47 ⁰⁷	12	.61	28	1.03	25	.97	7.0	.49	20	.54 ^b	20
5	.46 ⁰⁸	12	.58	25	0.97	24	1.01	8.0	.48	21	.53	20
6	.46	12	.56	22	.89	22	0.99	8.0	.50	23	.55	22
7	.46	12	.53	19	.83	20	1.00	7.0	.52	24	.55 ^b	22
8	.45 ⁵⁷⁴	11	.52	18	.78 ⁵⁷⁸	18	1.00	7.0	.52	24	.62 ¹⁰	30
9	.45	11	.53	19	.72	16	.89 ⁵⁸⁰	9.0	.61	25	S ¹⁰	32
10	.45	11	.51 ⁵⁷⁶	17	.66	18	.83	10	.61 ⁰⁸	27	S	31
11	.45	11	.48	14	.63	18	.77	9.0	.52 ^b	23	.64	32
12	.44	10	.44	11	.63	18	.73	10	.53	23	.58	26
13	.43 ⁰⁸	8.9	.49	15	.58	16	.58	9.0	.55 ^b	22	S	23
14	.42 ⁰⁹	8.9	.45	12	.53	14	.73	9.0	.57 ⁰⁸	22	S	26
15	.43	9.8	.49	15	.65	14	.70	10	.55 ^b	22	.58	26
16	.43	9.8	.48	14	.65	15	.64	10	.53	22	S	24
17	.44	11	.49	15	.73	14	.61	11	.51	22	.59	27
18	.44	11	.50	16	.83	14	.59	13	.52	22	.60	28
19	.44	11	.48 ⁰⁹	14	.77	14	.54	13	.56 ⁰⁹	22	.59	27
20	.44	11	.54 ^b	12	.69	15	.53	12	.47 ^b	20	.50	17
21	.44	11	.67	12	.62	15	.53 ⁵⁸¹	13	S	22	.53	20
22	.44	11	.81	12	.61	14	.53	14	S ⁰⁸	37	.51 ¹⁰	18
23	.46	12	.93	15	.57 ⁵⁷⁹	13	.53	14	.83 ^b	30	.53	20
24	.46 ⁰⁴	12	.81 ⁵⁷⁷	19	.53	13	.53	13	.72	27	.53	20
25	.44 ¹⁰	12	.65	17	.49	13	.51	12	.58 ^b	22	.54	21
26	.46	13	.83	15	.47	14	.58	11	S ⁰⁹	20	.52	19
27	.45	12	.84	16	.47	14	.63	12	S	25	.52	19
28	.45	12	.76	17	.45	14	.62	14	S	30	.53	20
29	.45 ⁵⁷⁵	12	.80	19	.47	13	.60	16	.62 ⁰⁹	29	.52	19
30	.47	14	.99 ^b	17	.50	13	.58	18	XX	XXX	.54	21
31	.54 ¹⁰	21	XX	XXX	.48 ^b	13	.54 ^b	18	XX	XXX	.60 ¹⁰	28

W. GAGE-HEIGHT ESTIMATED

Total	361.4	529	509	347.0	683	732
Mean	11.7	17.6	16.4	11.2	23.6	23.6
Run-off in acre-feet	717	1050	1010	688	1350	1450
Maximum	21	30	25	18	37	32
Minimum	0.9	11	13	7.0	19	18

Calendar Year

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07095000

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
5	46	0.60	28	0.61	26	0.58	26	0.55	20	0.46	13	1									
89	58	.53	20	.64	29	.63	32	5	35	.45	12	2									
.85	52	.49	16	.72	37	.60	29	5	83	.42	9.8	3									
.72	38	.47	14	.77	43	.55	24	.80	49	.40	8.0	4									
.66	31	.46	13	.79	45	.52	20	.70	37	.39	7.4	5									
.71	37	S	19	.92	60	.44	12	.64	30	.38	6.9	6									
.63	29	.82	52	1.04	82	.40	9.8	.59	25	.38	6.9	7									
.61	27	.67	35	1.06	78	.39	8.9	.57	22	.40	8.9	8									
.59	25	.61	28	1.08	81	.37	7.4	.58	24	.41	9.8	9									
.56	22	.54	20	1.07	79	.37	7.4	.63	30	.42	11	10									
.54	20	.48	14	.91	59	.36	6.9	.62	29	.41	9.8	11									
.53	19	.46	12	.77	43	.34	5.8	.60	27	.40	8.9	12									
.65	32	.45	12	.65	30	.38	8.0	.55	21	.40	8.9	13									
.55	21	.44	11	.55	19	.50	18	.49	16	.42	12	14									
.54	20	.46	12	.48	13	.44	12	.46	13	.42	12	15									
.54	20	.43	9.8	.50	15	.42	8.9	.44	12	.42	12	16									
.52	18	.47	13	.49	14	.41	8.0	.42	9.8	.41	11	17									
5	30	.46	12	.49	14	.41	8.0	.43	11	.40	9.8	18									
.85	56	.53	19	.50	15	.41	8.0	.45	12	.47	16	19									
.81	51	.57	24	.45	12	.43	8.9	.60	28	.50	18	20									
.64	31	S	42	.45	12	.50	14	.58	26	.44	12	21									
.58	25	.82	50	.50	16	.47	12	.59	27	.41	9.8	22									
.54	20	.64	29	.45	12	.40	6.4	.54	21	.40	8.0	23									
.52	18	.54	18	.46	12	.39	5.8	.54	21	.39	7.4	24									
.52	18	.57	21	.39	6.9	.40	6.4	.64	32	.42	9.8	25									
.50	17	.57	21	.38	6.4	.57	21	.55	22	.5	6.5	26									
.47	14	.47	12	.38	6.9	.75	41	.50	17	1.32	134	27									
.46	13	.41	6.9	.36	5.8	.68	35	.47	14	1.24	117	28									
.46	13	.48	12	.36	5.8	.60	26	.46	13	1.07	85	29									
.61	29	.56	20	.41	8.9	.55	20	.46	13	.78	46	30									
XX	XXX	.62	27	XX	XXX	.50	15	.45	12	XX	XXX	31									
850		642.7		886.7		471.6		751.8		706.1										7470.3	
28.3		20.7		28.6		15.2		24.3		23.5										20.5	
1690		1270		1760		935		1490		1400										1480	
58		50		82		35		83		135										135	
13		6.9		5.8		5.8		9.8		7.4										5.8	

ARKANSAS

River at
Creek near **CANON CITY, COLO.**

Daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 19 **76**

Drainage area **3,117** square miles.

Water stage recorder **A-35 CONTINUOUS**

Day.	OCT.		NOV.		DEC. 1975		1976 JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	5.18	278	5.34	342	5.43	398	5.22	311	5.11	284	5.24	304
2	5.17	274	5.32	332	5.43	398	5.20	304	5.12	288	5.24	304
3	5.11	255	5.28	315	5.43	398	5.18	296	5.12	288	5.26	311
4	5.09	249	5.26	307	5.40	381	5.20	296	5.09	274	5.31	328
5	5.08	247	5.49	414	5.40	381	5.30	300	5.07	268	5.28	315
6	5.05	238	5.53	437	5.41	386	5.31	304	5.15	292	5.30	319
7	5.07	244	5.53	437	5.40	381	5.33	311	5.19	304	5.28	311
8	5.04	236	5.65	511	5.39	376	5.26	300	5.18	300	5.31	323
9	5.01	228	5.73	564	5.39	376	5.30	296	5.19	304	5.30	319
10	5.01	228	5.75	578	5.37	365	5.29	296	5.23	315	5.28	311
11	5.03	233	5.77	592	5.39	376	5.22	292	5.22	311	5.30	319
12	5.06	241	5.76	585	5.38	370	5.18	278	5.21	307	5.30	319
13	5.05	238	5.73	564	5.39	376	5.19	281	5.17	288	5.25	300
14	5.04	236	5.74	571	5.36	361	5.17	274	5.19	296	5.25	300
15	5.03	233	5.77	592	5.33	351	5.19	284	5.22	307	S	280
16	5.04	236	5.77	592	5.31	342	5.20	288	5.21	304	5.09	247
17	5.07	244	5.77	592	5.34	356	5.20	288	5.21	304	5.07	241
18	5.07	244	5.76	585	5.31	342	5.22	288	5.18	292	5.07	241
19	5.06	241	5.79	606	5.32	346	5.20	288	5.18	292	5.03	230
20	5.05	238	5.77	592	5.27	328	5.16	274	5.24	315	4.98	218
21	5.04	236	5.77	592	5.24	315	5.10	268	5.21	304	4.94	210
22	5.04	236	5.74	571	5.23	315	5.06	258	5.10	262	4.97	216
23	5.03	233	5.76	585	5.23	315	5.07	265	5.12	268	4.98	218
24	5.06	241	5.78	599	5.25	323	5.08	268	5.17	281	5.03	230
25	5.07	244	5.82	628	5.23	315	5.08	268	5.20	292	5.03	230
26	5.10	252	5.79	606	5.22	311	5.04	258	5.15	274	5.04	233
27	5.12	258	5.77	592	5.24	319	5.03	255	5.18	284	5.08	244
28	5.18	278	5.80	620	5.23	315	5.11	284	5.17	281	5.07	241
29	5.15	268	5.78	606	5.19	300	5.14	296	5.22	296	S	289
30	5.12	258	5.65	524	5.18	296	5.13	292	XX	XXX	5.28	307
31	5.16	271	XX	XXX	5.23	315	5.13	292	XX	XXX	S	269
301,5390	Total	7636	16031	10827	8853	8475	8527					
826	Mean	246	534	349	286	292	275					
598,100	Run-off in acre-feet	15150	31800	21480	17560	16,810	16,740					
4370	Maximum	278	628	398	311	315	328					
205	Minimum	228	307	296	255	262	210					

Max. Discharge **3420** Sec. ft. at **1430 HRS** on **Aug. 2, 1976** G. H. **7.92** ft.
 Max. G. H. **7.92** ft. at **1430 HRS** on **Aug. 2, 1976** Min. Daily Discharge **228** sec.-ft. on
Q - NO GAGE HEIGHT RECORD **D - STAGE-DISCHARGE RELATION AFFECTED BY KE**
V - VARIABLE SHIFT **S - DISCHARGE SUBDIVIDED**

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07096000

Rating Table Used

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
S	225	5.80 ⁰⁶	578	6.44 ⁰⁵	1220	6.39 ⁰	1120	S	1240	5.38 ⁰³	346	1									
4.86 ⁰³	190	5.52 ⁰⁵	408	6.70 ⁰⁸	1530	S	1300	S	1610	5.27	300	2									
4.91	199	5.48	386	6.93 ⁰⁹	1830	6.52 ⁰¹	1240	6.63 ¹⁶	1590	5.19	271	3									
4.94	205	5.55	425	7.03 ¹¹	1990	6.45	1170	6.45 ¹⁵	1330	5.17	265	4									
4.94	205	5.62 ⁰⁵	467	7.24 ¹³	2310	6.42	1140	6.31 ¹²	1160	5.19	271	5									
5.00	218	5.70 ⁰⁴	524	7.44 ¹⁴	2610	6.29	1020	6.20 ¹⁰	1040	5.23	284	6									
4.97 ⁰³	212	5.80 ⁰³	599	7.43 ¹⁴	2600	6.22 ⁰¹	959	6.03 ⁰⁷	860	5.23	284	7									
S	184	5.67 ⁰²	518	7.36	2490	6.07 ⁰¹	826	5.90 ⁰⁵	735	5.25	292	8									
4.66 ⁰⁵	161	5.67 ⁰²	518	7.40	2550	S	792	5.95	775	5.26	296	9									
4.66 ⁰⁵	161	5.57 ⁰¹	461	7.46	2640	6.37 ⁰	1100	5.94	767	5.25	292	10									
S	171	5.54	443	7.47	2660	6.42	1150	5.93	759	5.17	265	11									
4.83 ⁰⁶	181	5.55	449	7.35 ¹⁴	2500	6.43 ⁰	1160	5.95 ⁰⁵	775	5.18 ⁰³	268	12									
4.92	196	5.59	473	7.12 ¹⁰	2100	S	1190	5.88 ⁰⁴	711	S	283	13									
4.95	201	5.61 ⁰¹	485	6.97 ⁰⁸	1860	S	1260	5.75 ⁰²	599	S	413	14									
4.93	198	5.61	485	6.72 ⁰⁶	1530	6.41 ⁰²	1160	5.74 ⁰²	592	5.37	337	15									
4.90 ⁰⁶	192	5.75	578	6.61 ⁰⁵	1400	6.36	1110	5.65 ⁰¹	524	5.28	300	16									
4.96	203	5.92	703	6.64	1430	6.33	1080	5.57 ⁰	467	5.30 ⁰⁰	307	17									
4.97	205	6.06	818	6.62	1410	6.30	1060	5.53	443	5.22 ⁰⁴	278	18									
4.94	199	6.22	959	6.55	1330	6.30	1060	5.53 ⁰	443	S	348	19									
S	179	6.31	1040	6.45	1230	6.36	1110	5.48 ⁰¹	408	S	438	20									
S	196	6.41	1130	6.49	1270	6.37 ⁰²	1120	5.46	398	5.36 ⁰⁶	381	21									
5.12	241	6.51	1230	6.62 ⁰⁵	1410	6.33	1080	5.47	403	5.36	381	22									
5.13	244	6.48	1200	6.87 ⁰⁵	1700	6.26	1020	5.41 ⁰¹	370	5.28	342	23									
5.13	244	6.33	1060	7.10 ⁰⁴	1990	6.24	1000	S	412	5.65 ⁰⁶	557	24									
5.10	236	6.23	968	7.00 ⁰⁴	1850	6.22	986	5.48 ⁰³	398	5.72 ⁰¹	613	25									
S	366	6.09 ⁰¹	843	6.77 ⁰³	1550	6.19	959	5.46	386	6.05	878	26									
5.72 ⁰⁶	524	5.95	735	6.54 ⁰²	1290	6.26	1020	5.42	365	6.33	1130	27									
a	543	6.01 ⁰¹	792	6.47 ⁰²	1220	6.29	1050	5.40	356	6.18 ⁰¹	995	28									
a	564	6.16 ⁰²	950	S	947	6.23	995	5.42	365	6.00 ⁰⁸	843	29									
5.84 ⁰⁶	606	6.35 ⁰⁵	1130	6.18 ⁰	932	6.16	932	5.37 ⁰³	342	5.88 ⁰⁸	743	30									
XX	XXX	6.45 ⁰⁵	1230	XX	XXX	6.12 ⁰²	896	5.37 ⁰³	342	XX	XXX	31									
												Water Year		1976							
7649		22585		53379		33065		20915		13001										210,743.0	
255		729		1779		1067		675		433										576	
15170		44,800		105,900		65580		41480		25790										418,000	
606		1230		2660		1300		1610		1130										2660	
161		386		932		792		342		265										161	

Daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 19 76

Drainage Area 4,280 square miles.

Water stage recorder A-35 CONTINUOUS

Day.	OCT.		NOV.		DEC. 1975		1976 JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	2.05	293	2.31	372	2.18	325	2.05	300	1.93	256	1.94	256
2	2.03	286	2.26	352	2.17	322	1.90	250	1.94	259	1.95	259
3	1.95	259	2.21	336	2.25	352	1.71	194	1.94	259	1.97	266
4	1.88	237	2.17	322	2.20	333	1.80	219	1.93	256	2.06	296
5	1.83	225	2.41	420	2.19	329	2.04	296	1.83	228	1.99	272
6	1.81	219	2.53	470	2.19	333	2.10	322	1.90	250	2.02	283
7	1.77	207	2.50	456	2.17	325	2.05	303	1.96	269	2.00	276
8	1.74	199	2.55	480	2.25	360	1.85	237	1.95	266	2.03	286
9	1.76	204	2.66	530	2.19	336	2.00	286	1.98	276	2.04	289
10	1.76	204	2.65	525	2.17	333	2.01	289	2.04	300	1.99	276
11	1.77	207	2.67	535	2.25	368	1.98	279	2.00	283	2.02	286
12	1.84	228	2.65	525	2.17	340	1.92	259	1.97	269	2.02	286
13	1.83	225	2.64	520	2.19	348	1.95	269	1.91	247	1.95	263
14	1.83	225	2.68	540	2.14	329	1.82	228	1.93	253	1.91	250
15	1.85	231	2.75	576	2.10	314	1.91	256	1.98	269	1.93	256
16	1.85	231	2.75	576	2.05	296	1.95	269	1.96	263	1.92	253
17	1.92	253	2.74	570	a	290	1.97	276	1.94	256	1.85	234
18	1.88	241	2.72	560		290	1.99	283	1.91	247	1.84	231
19	1.83	225	2.79	598		320	1.96	272	1.93	253	1.77	219
20	1.77	207	2.76	582		310	1.91	256	1.95	259	1.73	199
21	1.74	199	2.76	582		300	1.86	240	1.90	243	1.62	170
22	1.75	199	2.68	540		290	1.85	237	1.76	202	1.65	178
23	1.80	210	2.70	550		295	1.87	250	1.84	225	1.69	188
24	1.92	243	2.73	565		300	1.90	266	1.92	250	1.75	202
25	1.94	247	2.77	587		300	1.89	266	1.95	259	1.81	219
26	1.93	240	2.71	555		280	1.83	247	1.88	237	1.84	228
27	1.99	256	2.63	515		270	1.73	219	1.90	243	1.91	247
28	2.05	272	2.71	555		260	1.95	269	1.91	247	1.89	240
29	2.04	269	2.75	576		250	2.01	283	1.93	253	2.10	310
30	1.99	253	2.32	380	a	260	1.97	269	XX	XXX	2.13	318
31	2.07	279	XX	XXX	2.04	296	1.98	272	XX	XXX	2.05	289
Total		7273		15250		9654		8161		7377		7825
Mean		235		508		311		263		254		252
Run-off in acre-feet		14430		30250		19150		16190		14630		15520
Maximum		293		598		368		322		300		318
Minimum		199		322		250		194		202		170

ft. on G. H. sec.-ft. on
 on Min. Daily Discharge
 Sec. ft. at ft. at
 Max. Discharge Max. G. H.

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
1.77	202	2.97	658	3.79	1240	3.58	1090	S	2580	2.16	404	1								
1.57	153	2.62	480	4.14	1540	S	1320	S	3460	2.01	344	2								
1.58	155	2.51	429	4.46	1840	3.81	1270	S	1950	1.87	293	3								
1.58	155	2.57	456	4.58	1960	3.70	1180	3.75	1350	1.85	283	4								
1.56	151	2.64	490	S	2270	3.64	1120	3.50	1150	1.84	279	5								
1.73	196	2.75	540	S	2500	3.51	1030	3.32	1020	1.88	293	6								
1.71	191	2.95	648	5.16	2610	3.37	938	3.08	860	1.89	296	7								
1.58	158	2.74	530	5.05	2490	3.22	840	2.84	705	1.95	318	8								
1.47	135	2.75	535	5.09	2520	S	722	2.90	735	2.02	344	9								
1.45	132	2.60	456	5.17	2600	3.59	1090	2.88	729	2.02	340	10								
1.53	145	2.55	434	5.15	2550	3.65	1130	2.87	729	1.93	307	11								
1.61	162	2.60	452	4.98	2340	3.68	1150	2.90	747	1.86	279	12								
1.69	183	2.61	456	4.67	2010	3.67	1150	2.84	723	S	308	13								
1.72	191	2.60	447	4.43	1760	S	1280	2.62	604	S	467	14								
1.72	191	2.58	438	4.09	1440	3.66	1190	2.60	598	2.10	364	15								
1.69	180	2.75	515	3.91	1310	3.57	1120	2.44	520	1.98	318	16								
1.93	250	2.95	620	3.99	1390	3.53	1080	2.35	480	2.04	340	17								
1.93	250	3.16	735	3.98	1400	3.44	1040	2.30	460	1.94	303	18								
1.90	240	3.42	899	3.88	1340	3.50	1040	2.33	475	S	328	19								
1.79	207	3.57	997	3.73	1230	3.60	1100	2.31	465	S	454	20								
S	193	3.76	1140	3.74	1250	S	1170	2.27	447	2.11	228	21								
2.02	259	4.00	1330	3.93	1390	3.62	1090	2.27	447	S	334	22								
2.05	266	3.95	1300	4.20	1630	S	1070	2.17	404	1.91	286	23								
2.02	253	3.77	1150	4.62	2010	3.48	977	2.27	447	S	446	24								
1.96	231	3.59	1040	4.49	1880	3.45	951	2.25	438	2.48	510	25								
S	284	3.43	944	4.20	1610	3.43	932	2.24	434	S	806	26								
2.72	510	3.17	783	3.89	1350	3.53	990	2.14	396	S	1260	27								
2.82	570	3.18	802	3.74	1220	3.55	1010	2.12	388	3.40	1020	28								
2.87	598	3.38	938	3.41	977	3.47	964	2.15	400	3.17	860	29								
3.01	686	3.63	1110	3.30	899	3.35	892	2.10	380	2.99	741	30								
XX	XXX	3.82	1270	XX	XXX	S	870	2.16	404	XX	XXX	31								
													Water Year							
													1976							
7472		23022		52656		32796		24925		13153		209564								
249		743		1755		1058		804		438		573								
14820		45660		104400		65050		49440		26090		415700								
681		1270		2610		1320		3460		1260		3460								
132		429		899		722		380		228		132								

ARKANSAS

River ~~at~~ above PUEBLO, COLO.

Daily Gage Height, In Feet, and Discharge in Second-Foot for the Year Ending September 30, 1976

Drainage Area 4,670 square miles.

Water stage recorder A-35 CONTINUOUS

ft. on G. H. sec.-ft. on
 on Min. Daily Discharge
 Sec. ft. at on
 Max. Discharge ft. at
 Max. G. H.

Day.	OCT.		NOV.		DEC. 1975		1976 JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.95 ²²	260	0.70 ²⁶	210	5 ²³	241	0.24 ²³	105	0.24 ²¹	99	0.92 ²²	274
2	.96	264	.70	210	.57 ²³	164	5	97	.24	99	.77 ²⁴	223
3	.95	260	.90 ²⁶	271	.55	160	.14 ²¹	82	.24	99	.69 ²³	200
4	.96	264	1.02 ²³	292	.55	160	.14	82	.25 ²¹	103	.71	205
5	.79	212	5	247	5	132	.14 ²³	82	.25	103	.70	202
6	.62	170	.78 ²¹	215	.35 ²²	116	.15	84	.25	103	.71	205
7	.56 ²¹	158	.79	218	.35	116	.16 ²¹	87	.25	103	.71	205
8	.46 ²¹	140	.80	220	.35	116	.16	87	.24 ²¹	103	.70 ²³	202
9	.37	124	.82	226	.35	116	.16	87	.24 ²¹	103	.68 ²²	195
10	.34 ²¹	120	.87	241	.35	116	.16	87	.23 ²²	103	.68	195
11	.35	122	.88	244	.35	116	.17	89	.24	105	.68 ²¹	195
12	.35	122	.83	229	.36	118	.16	87	.23	103	.74 ²¹	208
13	.35 ²¹	122	.80	220	.36	118	.16 ²²	87	.23	103	.78	218
14	.46 ²²	146	.88	244	.37	120	.17	89	.23 ²³	103	.78	218
15	.62 ²³	182	.95	268	.37	120	.17	89	.23 ²¹	101	.70	198
16	.65	190	.95	268	.37 ²¹	120	.17 ²¹	89	.23	101	.59	170
17	.63	185	1.00	285	.37 ²²	120	.17	87	.23	101	.55 ²¹	162
18	.63	185	1.04 ²⁴	299	5	113	.17	87	.23	101	.48	146
19	.63 ²³	185	1.10	320	.24 ²¹	99	.17	87	.23 ²¹	101	.54	158
20	.60 ²¹	180	1.23	372	.25	101	.17	87	.24 ²¹	101	.57	164
21	.47 ²²	152	1.23	372	.25	101	.18 ²¹	87	.24	101	.54	158
22	.43	144	1.20	360	.27 ²¹	106	.18	87	.24	101	.50	150
23	.44	146	1.20	360	.29 ²²	112	.18	87	.24	101	.49	148
24	.52	162	1.21	364	.29	112	.17 ²¹	86	.24 ²²	101	.46	142
25	.58	175	1.20	360	.30	114	.17 ²²	84	.25	103	.34	118
26	.60	180	1.19	356	.29	112	.17	84	.25	103	.27	105
27	.63 ²⁴	188	1.20	360	.28	110	.17 ²²	84	.25	103	.26	103
28	.74 ²⁵	218	1.17	348	.28	110	.17	84	.25 ²¹	103	.22	96
29	.82	241	1.15	340	.27 ²²	108	.17 ²²	84	5	149	.15	84
30	.87	257	1.15	340	.23 ²¹	103	.20 ²¹	90	XX	XXX	.15	84
31	.79 ²⁵	232	XX	XXX	.23 ²²	103	.24	99	XX	XXX	.25	101

Total	5686	8659	3773	2714	3003	5232
Mean	183	289	122	88	103	169
Run-off in acre-feet	11280	17175	7484	5383	5956	10378
Maximum	264	372	241	105	149	274
Minimum	120	210	99	82	99	84

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 07099400

Rating Table Used L6 9 11-12-75

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
271	36	5	618	2.86	1130	2.33	992	S	757	1.06	328	1									
	5	1.60	520	3.08	1380	2.74	1290	3.22	907	1.14	356	2									
	64	1.64	540	3.45	1760	3.02	1530	S	1620	.96	285	3									
	70	1.67	555	3.48	1780	2.82	1350	S	2780	.83	238	4									
	5	1.73	585	3.47	1770	2.72	1270	S	3000	.85	244	5									
	123	1.88	630	3.67	2070	2.67	1230	2.06	811	.73	208	6									
	113	1.96	662	3.87	2400	2.43	1060	1.55	530	.73	208	7									
	105	1.94	651	3.84	2360	2.36	1010	1.57	540	.79	220	8									
	5	2.01	678	3.67	2180	2.03	811	1.43	468	.74	208	9									
	140	1.96	651	3.71	2220	2.12	865	1.59	545	.91	257	10									
	147	1.83	585	3.80	2280	2.42	1050	S	550	.90	254	11									
	158	1.91	625	3.73	2190	2.51	1110	2.33	961	.80	223	12									
	163	1.93	635	3.35	1790	2.50	1110	2.24	907	.69	198	13									
	165	2.03	673	3.02	1470	2.57	1160	2.17	865	S	608	14									
	165	2.10	695	3.01	1460	2.58	1160	2.01	778	S	694	15									
	162	2.10	695	2.55	1110	2.37	1020	1.94	739	.89	278	16									
	160	2.11	700	2.95	1440	2.37	1020	1.84	684	.84	260	17									
	159	2.43	829	2.71	1250	2.30	979	1.84	684	.90	282	18									
	155	2.70	998	2.73	1270	2.33	998	1.86	695	.83	257	19									
	153	2.74	1030	2.57	1160	2.35	1010	1.85	690	.97	306	20									
	149	2.72	1020	2.48	1090	2.36	1020	1.91	722	1.12	364	21									
	149	2.86	1120	2.58	1160	2.43	1060	S	528	.82	254	22									
	149	3.03	1250	2.88	1400	2.05	835	1.19	372	.82	254	23									
	152	2.92	1160	3.31	1790	1.76	678	1.05	316	.80	247	24									
	146	2.58	937	3.45	1930	1.66	625	1.09	332	.81	250	25									
	122	2.42	817	3.14	1640	1.63	610	1.14	352	S	508	26									
	5	2.13	646	2.78	1320	1.57	575	1.05	316	S	1020	27									
	210	2.21	700	2.57	1160	1.75	662	.94	282	S	1260	28									
	200	2.35	788	2.26	949	1.92	750	.93	278	S	724	29									
	95	2.66	979	1.89	734	2.25	937	.93	278	1.46	505	30									
XX	XXX	2.85	1120	XX	XXX	2.07	829	.93	278	XX	XXX	31									
												Water Year		1976							
13886		24092		47643		30606		23565		11298		180,157									
463		777		1588		987		760		377		492									
27543		47790		94500		60710															
783		1250		2400		1530		3000		1260		3000									
122		520		734		575		278		198		82									

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

Drainage area 73 square miles.

Water stage recorder A-35 CONTINUOUS

Max. Discharge 114 Sec. ft. at 0203 Hrs. on 27 July 1926 G. H. 2.18 ft.
 Max. G. H. 2.18 ft. at 0200 on July 27 1926 Min. Daily Discharge 11 sec.-ft. on Feb 1

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.40 ⁰⁷	16	1.40 ⁰⁸	16	⁸³⁵ a	16	a	5	a	8	a	15
2	1.39 ⁰⁶	16	1.38 ⁰⁷	16		15		5		9		15
3	1.39 ⁰⁶	16	⁸³³ 1.36 ⁰⁷	14		15		5		9		10
4	1.37 ⁰⁵	16	1.36	14		15		6		9		9
5	1.36 ⁰⁴	16	1.36	14		15		8		9		8
6	⁸³¹ 1.36 ⁰⁴	16	1.35	14		13		8		8		7
7	1.36 ⁰⁴	16	1.35	14		13		6		8		6
8	1.35 ⁰⁵	15	1.35	14		13		6		10	⁸⁴² a	6
9	1.35 ⁰⁵	15	1.34	14		13		7	⁸⁴⁰ a	15		7
10	1.36 ⁰⁶	15	1.30	12		13		8		15		7
11	1.35 ⁰⁶	14	1.29 ⁰⁷	11		12		8		15		7
12	1.35 ⁰⁶	14	1.39 ^b	10		12	⁸³⁸ a	4		10		6
13	1.36 ⁰⁷	14	1.35 ^b	10		10		9		10		6
14	1.37 ⁰⁷	15	1.31 ⁰⁹	11		5		9		10		6
15	1.36 ⁰⁷	14	1.32	12	⁸³⁶ a	4		10		10		7
16	1.37 ⁰⁸	14	1.31	11		5		12		10		7
17	1.37 ⁰⁸	14	⁸³⁴ 1.33 ⁰⁹	12		8		12		10		7
18	1.38 ⁰⁹	14	1.34 ⁰⁹	12		8		10		10		8
19	1.38 ⁰⁹	14	1.34 ^b	12		8		10		10		8
20	1.39 ¹⁰	14	1.37	10		8		9		10		10
21	1.39 ¹⁰	14	1.47 ^b	10		8		9		15		10
22	⁸³² 1.39 ¹⁰	14	1.47 ^b	10		8		9		15		10
23	1.40 ¹⁰	15	a	10		8		10	⁸⁴¹ a	15		12
24	1.37 ⁰⁹	14		10		8		10		15	⁸⁴³ a	12
25	1.36 ⁰⁹	14		10		8		10		15	1.30 ⁰⁵	112
26	1.39 ⁰⁸	16		10		8	⁸³⁷ a	10		15	1.30 ⁰⁵	12
27	1.39	16		10		10		10		15	1.28 ⁰⁴	12
28	1.39	16		10		10		10		15	1.27 ⁰⁴	12
29	1.38	15		10	⁸³⁷ a	10		10	a	15	1.25 ⁰³	11
30	1.38	15	a	12		10		9	XX	XXX	1.27 ⁰³	12
31	1.41 ⁰⁸	16	XX	XXX	a	9	a	9	XX	XXX	1.29 ⁰²	14
Total		463		351		316		263		340		292
Mean		14.9		11.7		10.2		8.48		11.7		9.42
Run-off in acre-feet		918		696		627		522		674		579
Maximum		16		16		15		10		15		15
Minimum		14		8		3		5		8		6

Calendar Year

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 0711000
Rating Table Used 11.13 3/7/74

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
1.28 ⁰²	13	1.42 ⁰⁵	18	a	65	a	45	5	^v 52	⁰⁵⁵ 1.42	⁰⁶ 10	1								
1.27	12	1.42	10		65		45	1.87	63	1.40	⁰⁶ 17	2								
1.28 ⁰²	13	⁰⁴⁶ 1.42	⁰⁵ 18		65		45	1.80	55	1.38	⁰⁵ 16	3								
1.30 ⁰¹	14	1.43	19		70		40	1.73	47	1.37	16	4								
1.32 ⁰¹	16	1.45 ⁰⁵	20		70		40	1.66	40	1.35	15	5								
⁰⁴⁶ 1.34 ⁰¹	16	1.49 ⁰⁴	24		100	⁰⁵¹ a	35	1.62	⁰ 37	1.35	15	6								
1.32	16	1.50	24		80	1.62	⁰⁶ 32	1.57	⁰¹ 32	1.35	15	7								
1.35	17	1.51	25		70	1.59	29	1.58	33	1.36	16	8								
1.35	17	1.52	26		70	1.58	⁰⁶ 29	1.57	32	⁰⁵⁶ 1.40	⁰⁵ 18	9								
1.36	18	1.53	26		80	1.57	⁰⁵ 29	⁰⁵⁴ 1.54	⁰⁴ 29	1.40	18	10								
1.37	18	1.53	26		70	1.57	29	1.52	28	1.40	18	11								
1.41	20	1.55	28		60	1.58	⁰⁵ 29	1.51	27	1.40	18	12								
1.42	21	1.53	26		50	1.64	35	1.49	26	1.40	18	13								
1.38	18	1.55 ⁰⁴	28	⁰⁴⁴ a	40	⁰⁵¹ 1.65	⁰⁴ 36	1.48	25	1.38	16	14								
1.36	18	1.57 ⁰³	30		40	1.62	33	1.46	24	1.37	16	15								
⁰⁵⁵ 1.34 ⁰¹	16	1.63 ⁰²	36		40	1.59	31	1.45	23	1.37	16	16								
1.30 ⁰¹	14	⁰⁴⁷ 1.77	⁰¹ 51		40	1.56	29	1.46	⁰¹ 24	1.35	15	17								
1.34 ⁰²	16	1.85	61		45	1.58	30	5	^v 26	1.33	14	18								
1.35	16	1.84	60		50	1.56	29	1.58	⁰⁶ 29	1.35	15	19								
1.35	16	1.83	59		50	1.55	28	1.57	28	1.37	16	20								
1.35	16	1.95	74		55	1.55	28	1.54	26	1.36	16	21								
1.35	16	1.89	66		50	1.52	26	1.50	23	1.35	15	22								
1.36	17	1.82	57		50	1.61	33	1.48	21	1.33	14	23								
1.36 ⁰²	17	1.81	56		50	1.66	⁰⁴ 37	1.48	21	1.35	⁰⁵ 15	24								
1.38 ⁰³	18	1.81	56		45	5	^v 67	1.48	21	a	24	25								
1.39	18	1.79	0 54		45	2.02	⁰⁴ 88	1.46	20	1.49	⁰⁴ 24	26								
1.39	18	1.78	⁰¹ 54		45	⁰⁵³ 2.12	⁰⁵ 105	1.44	19	1.45	21	27								
1.40 ⁰³	18	1.86	⁰² 65	⁰⁵⁰ a	45	1.96	⁰⁴ 80	1.44	19	1.43	⁰⁴ 20	28								
1.42 ⁰⁴	19	1.89	68		45	1.83	63	1.43	18	a	21	29								
1.48 ⁰⁴	23	1.92	72	a	45	1.73	⁰⁴ 52	1.43	18	1.42	⁰⁴ 19	30								
XX	XXX	⁰⁴⁸ 1.88	⁰² 67	XX	XXX	1.67	⁰³ 44	1.43	⁰⁶ 18	XX	XXX	31								
													Water Year							
													1976							
505		1312		1710		1301		904		515		8272								
16.8		42.3		57		42		29.2		17.2		689								
1001		2602		3392		2580		1793		1021		16408								
23		74		100		105		63		24		105								
12		18		40		26		18		14		3								

Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

Drainage area 56 square miles. Water stage recorder A-35 CONTINUOUS

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.92 ⁺²⁴	12	0.97 ⁺¹⁹	12	⁸⁹⁶ a	7.0	a	5	a	6	a	10
2	.92	12	.94	11		8		5		6		10
3	.91	12	⁸⁹⁴ .92 ⁺¹⁹	10		8		5		7		9
4	.91	12	.93	11		8		5		7		8
5	.90	12	.93	11		9		6		7		7
6	⁸⁹² .90 ⁺²⁴	12	.93	11		9		6		6		6
7	.90 ⁺²⁴	12	.92	10		9		5		6		5
8	.90 ⁺²³	11	.92	10		9		5		7	⁹⁰³ a	5
9	.90 ⁺²²	11	.92 ⁺¹⁹	10		10		6	⁹⁰¹ a	8		5
10	.91	11	.93 ^b	10		10		7		8		6
11	.90 ⁺²²	11	.91 ⁺¹⁷	9		10		7		8		5
12	.90 ⁺²¹	10	.95 ^b	9		9	⁸⁹⁹ a	7		8		6
13	.90 ⁺²¹	10	1.04	9		8		8		9		6
14	.90 ⁺²⁰	10	.98 ^b	9		7		8		9		6
15	.90 ⁺²⁰	10	.91 ⁺¹⁵	8	⁸⁹⁷ a	6		9		9		7
16	.91 ⁺¹⁹	10	.90	8		7		9		9		7
17	.91 ⁺¹⁹	10	⁸⁹⁵ .90 ⁺¹⁵	8		7		10		8		7
18	.91 ⁺¹⁸	9.6	.90 ⁺¹⁵	8		6		10		8		7
19	.91 ⁺¹⁸	9.6	.88 ^b	8		6		9		8		7
20	.91 ⁺¹⁷	9.7	a	7		6		8		7		7
21	.91 ⁺¹⁷	9.7		7		6		8		6		8
22	⁸⁹³ .91 ⁺¹⁷	9.7		7		6		8		6		8
23	.91 ⁺¹⁷	9.7		8		6		7	⁹⁰² a	7		8
24	.91 ^b	9.7		9		6		6		8	⁹⁰⁴ a	9.0
25	.98 ^b	10		8		6		5		8		9.0
26	.92 ⁺¹⁸	10		7		7	⁹⁰⁰ a	5		9		8.8
27	.91	9.6		7		8		5		10		8.7
28	.90	9.7		8		7		6		10		7.8
29	.90	9.7		8	⁸⁹⁸ a	7		8	a	10	a	7
30	.90	9.6	a	7		7		7	XX	XXX		7
31	.92 ⁺¹⁸	10	XX	XXX	a	6	a	6	XX	XXX	a	5
Total		320		266		231		211		225		228
Mean		10.3		8.88		7.45		6.81		7.76		7.35
Run-off in acre-feet		635		528		458		418		446		452
Maximum		12		12		10		10		10		10
Minimum		9.2		7		6		5		6		5

Max. Discharge _____ on _____ G. H. _____ ft. at _____
 Min. Daily Discharge _____ on _____ G. H. _____ ft. at _____

Calendar Year

**DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER**

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th			
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge					
	96		17	1.01	34	1.35	25	1.10	17	95	10	1	3rd			
	96		17	1.01	34	1.35	25	1.08	16	92	88	2	2nd			
	10	9/27	15	1.02	24	1.33	24	1.07	15	90	87	3	1st			
	12		18		28	1.32	28	1.04	13	90	87	4				
	12		20	1.03	28	1.31	28	1.03	13	89	76	5	Quarter		Computed	Date
	15	1.42	20	1.03	26	1.30	21	1.01	12	89	76	6				
	16	1.50	27	1.03	32	1.27	20	1.00	17	89	78	7				
	15	1.50	23	1.28	26	1.23	19	1.00	17	92	85	8				
	16	1.5	23		29	1.24	18	1.00	12	9/16 1.00	11	9	4th			
	17	1.6	25		27	1.24	18	9/14 1.00	17	96	92	10				
	17	1.51	28	1.18	30	1.22	17	.99	11	94	85	11	3rd			
	17	1.52	31	1.72	32	1.22	17	.98	11	91	74	12	2nd			
	18	1.52	28	1.68	26	1.22	17	.98	11	94	88	13				
	16	1.54	28	9/10 1.66	31	9/12 1.22	17	.97	10	93	85	14				
	15	1.57	30	1.64	31	1.19	16	.95	10	94	89	15	1st			
	14	1.55	31	1.59	46	1.18	16	.95	10	95	92	16	Quarter		Dis. appld.	Date
	14	9/28 1.57	31	1.57	49	1.18	17	.96	10	93	85	17				
	13	1.45	30	1.55	42	1.17	17	.97	11	93	80	18				
	13	1.45	31	1.52	39	1.16	17	.98	11	94	83	19				
	13	1.45	31	1.48	33	1.24	22	1.00	12	99	11	20	4th			
	14	1.45	34	1.47	35	1.21	21	.99	12	97	10	21	3rd			
	14	1.45	35	1.48	36	1.17	19	.96	11	93	88	22				
	15	1.45	35	1.49	37	1.17	20	.97	11	93	87	23	2nd			
	15	1.52	37	1.27	35	1.22	23	.97	11	94	92	24				
	15	1.52	38	1.42	32	1.19	21	.97	11	97	10	25	1st			
	15	1.52	38	1.41	31		21	9/15 94	10	1.02	12	26				
	14	1.54	32	9/21 1.12	22	1.12	19	.92	9.8	1.06	15	27	Quarter		G.H. coord.	Date
	14	1.57	28	1.10	18	1.10	18	.93	9.6	1.02	13	28				
	17	1.37	27	1.07	16	1.07	16	.93	9.5	1.00	12	29				
	17	1.36	27	1.05	15	1.05	15	.92	9.7	.98	11	30				
XX	XXX	9/29 1.01	22	XX	XXX	1.06	15	94	10	XX	XXX	31	Water Year 1976			
437		888		11280		597		355		285		5323				
14.6		28.6		42.7		19.2		11.4		9.5		444				
867		1761		2539		1184		704		565		10,558				
18		38		63		25		17		15						
9.6		15		27		15		9.2		7.4						

G.F. LARSEN

D. Lewis

G. LARSEN

12-9-76

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area 9,345 square miles.

Water stage recorder A-35 CONTINUOUS

Max. Discharge 1000 HES on Aug. 3, 1976 G. H. 7.94 ft.
 Sec. ft. at 1000 HES on Aug. 3, 1976 Min. Daily Discharge sec.-ft. on
 Max. G. H. 7.94 ft. at 1000 HES on Aug. 3, 1976

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	4.15 ⁰⁹	220	4.49 ⁰	359	4.62 ⁰²	265	4.38 ⁰⁴	272	4.47 ⁰⁶	311	4.23 ¹¹	169
2	4.15	220	4.31	256	4.42 ⁰¹	305	4.33	245	4.47 ⁰⁶	311	4.38 ¹²	230
3	4.18	235	4.26 ⁰	230	4.34 ⁴¹⁰	256	4.34	290	4.46 ⁰⁷	300	4.35	215
4	4.20	245	4.38 ⁴⁰⁸	288	4.32 ⁰¹	250	4.32	240	4.45 ⁰⁷	291	4.39	235
5	4.22	256	4.49 ⁰¹	353	4.38 ⁰¹	285	4.37	266	4.48 ⁰⁵	305	4.40	240
6	4.17	230	4.40 ⁰¹	300	4.42 ⁰	317	4.38	272	4.46 ⁰⁵	294	4.46	272
7	4.08 ⁰⁹	186	4.32 ⁰	261	4.37 ⁰¹	294	4.38	272	4.43 ⁰⁹	272	4.49 ¹²	288
8	3.98 ⁴⁰⁶	148	4.33 ⁰	266	4.36 ⁰²	297	4.32	240	4.49 ⁰⁹	305	4.55 ¹³	317
9	3.94	133	4.39 ⁰¹	305	4.38 ⁰³	311	4.36	261	4.52 ¹⁰	317	4.56 ¹³	323
10	3.94	133	4.38	300	4.38	311	4.42	290	4.51 ¹⁰	311	4.51 ⁴¹⁷	294
11	3.89	115	4.40	311	4.38	311	4.36	261	4.49 ⁴¹⁵	294	4.52	300
12	3.84	100	4.39 ⁰¹	305	4.38	311	4.38	272	4.42	256	4.51 ¹³	294
13	3.81 ¹⁰	91	4.37 ⁰²	300	4.38	311	4.41	288	4.39	240	4.48 ¹²	283
14	3.83 ⁰⁹	94	4.40	317	4.39	317	4.41 ⁴¹³	288	4.39	240	4.50	294
15	3.88 ⁰⁸	106	4.43 ⁰²	335	4.38	311	4.40	283	4.39	210	4.51 ¹⁷	300
16	4.01 ⁰⁴	144	4.49 ⁰³	378	4.39 ⁴¹¹	317	4.44	305	4.40	245	4.49 ¹¹	290
17	4.08 ⁴⁰⁷	168	4.57 ⁴⁰⁹	430	4.38 ⁰³	311	4.42	294	4.40	245	4.42 ¹¹	296
18	4.15 ⁰⁴	196	4.61 ⁰³	458	4.35 ⁰²	288	4.41	288	4.38	235	4.38 ¹⁰	240
19	4.15	176	a	130	4.40 ⁰¹	317	4.40	283	4.35	220	4.33 ¹⁰	215
20	4.14	171	3.93 ¹²	103	4.37 ⁰¹	274	4.42	294	4.34	215	4.28 ¹³	176
21	4.17	205	3.91	97	4.36 ⁰¹	288	4.42	294	4.33 ⁰⁵	210	4.25 ⁰⁸	186
22	4.14	191	3.90	94	4.37 ⁰	288	4.43	300	4.42 ⁰⁵	256	4.22 ⁰⁸	173
23	4.11	178	3.90 ⁰²	94	4.38 ⁰	294	4.39	278	4.45 ¹¹	272	4.17 ⁴¹⁸	155
24	4.11	178	3.93 ⁰¹	100	4.39 ⁰¹	294	4.38	272	4.48 ⁴¹⁶	288	4.13	1400
25	4.11	178	3.95	106	4.39 ⁰¹	294	4.40	283	4.51	305	4.07	118
26	4.13	186	3.92	97	4.38 ⁰²	283	4.38	272	4.48	288	4.07	118
27	4.15	196	3.93 ⁰¹	100	4.38 ⁰²	283	4.38	272	4.43	261	4.03	1106
28	4.17 ⁰⁴	205	3.86 ⁰	79	4.36 ⁰³	266	4.38 ⁴¹⁴	272	4.38	235	4.01	100
29	4.24 ⁰³	235	3.87 ⁰	81	4.37 ⁰³	272	4.40 ⁰⁴	283	4.35 ¹¹	270	4.02 ⁰⁷	103
30	4.34 ⁰²	283	a	210	4.40 ⁴¹²	283	4.43 ⁰⁵	294	XX	XXX	3.95 ⁰⁶	86
31	4.40 ⁰¹	311	XX	XXX	4.40 ⁰⁴	283	4.45 ⁰⁵	294	XX	XXX	3.96 ⁰⁶	88

Total	5753	7343	9207	8593	7785	6623
Mean	186	245	297	277	268	214
Run-off in acre-feet	11410	14560	18260	17040	15450	13140
Maximum	311	458	365	305	317	323
Minimum	91	79	250	240	210	86

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 07117000

Rating Table Used _____

Date	APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	G.H. opd.	G.H. check	Date
	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height									
96	88	4.50	305	5.37	978	4.83	639	S	2800	3.88	225	1									
101	103	4.20	164	5.44	1030	5.25	998	S	1560	3.95	261	2									
101	103	3.87	67	5.74	1340	5.62	1460	S	1430	3.98	278	3									
113	136	3.90	79	6.02	1660	S	1360	S	1080	3.86	215	4									
117	151	3.93	86	6.05	1710	5.48	1300	S	946	3.77	173	5									
138	245	4.07	125	S	1840	5.35	1150	S	812	3.78	178	6									
146	288	4.28	210	6.23	1910	5.27	1070	S	631	3.78	178	7									
143	266	4.36	245	6.17	1810	5.12	916	4.35	575	3.88	191	8									
138	235	4.29	205	5.98	1540	5.02	812	4.27	515	3.84	173	9									
146	272	4.33	225	6.14	1820	4.75	575	4.20	465	3.92	186	10									
163	372	4.20	160	6.17	1910	4.53	410	4.23	486	3.92	186	11									
170	417	4.05	103	6.10	1840	4.57	438	4.30	530	3.84	173	12									
182	500	4.15	129	5.96	1700	S	479	4.26	493	3.74	160	13									
183	508	4.15	122	5.67	1380	S	538	4.20	465	S	347	14									
184	515	4.21	140	5.65	1350	4.62	599	4.11	417	4.88	583	15									
184	515	4.27	155	5.43	1180	4.72	545	3.90	300	S	382	16									
184	515	4.26	140	5.23	1050	4.52	430	3.72	215	3.99	173	17									
185	522	4.32	160	5.12	925	4.47	424	3.61	191	3.96	160	18									
190	560	5.10	639	5.10	896	4.40	404	3.60	178	4.00	178	19									
185	522	5.45	946	5.07	858	4.48	472	3.69	210	S	384	20									
176	458	5.43	925	4.93	723	4.64	607	3.72	210	4.30	458	21									
170	417	5.55	1040	4.82	631	4.59	568	3.85	261	4.27	437	22									
170	417	5.60	1080	4.92	631	S	607	4.08	378	4.08	317	23									
172	430	5.67	1160	5.55	978	S	583	3.98	300	3.97	256	24									
171	417	5.53	1060	5.82	1130	4.59	552	3.93	256	3.95	245	25									
164	365	5.25	830	5.60	1030	4.51	493	3.95	266	S	746	26									
152	288	5.03	655	5.27	998	4.55	515	3.94	261	S	1840	27									
157	317	4.85	515	4.95	794	4.51	508	3.92	250	5.98	250	28									
156	317	4.79	479	4.72	583	4.58	538	3.87	225	5.44	1580	29									
164	378	4.98	623	4.68	538	4.56	522	3.85	215	4.83	849	30									
XX	XXX	5.27	878	XX	XXX	4.45	444	3.92	250	XX	XXX	31									
													Water Year				1976				
10637		13650		36763		20948		17171		14052		158,525									
355		440		1225		676		554		468		433									
21100		27070		72920		41,550		34,060		27,870		314,400									
560		1160		1910		1460		2800		2540		2800									
88		67		538		404		178		160		67									

ARKANSAS

River at
Creek near **CATLIN DAM near FOWLER, COI**

Daily Gage Height, In Feet, and Discharge in Second-Foot for the Year Ending September 30, 1976

Drainage area **10,901** square miles.

Water stage recorder **A-35 CONTINUOUS**

Max. Discharge 7770 Sec. ft. at 1600 Hrs on Aug. 3 1976 G. H. 6.40 ft.
 Max. G. H. 6.40 ft. at 1600 Hrs on Aug. 3 1976 Min. Daily Discharge sec.-ft. on
 S- DISCHARGE SUBDIVIDED. V- VARIABLE SHIFT. DISCHARGE ESTIMATED FOR
 " " " NO GAGE HEIGHT RECORD

Day.	OCT.		NOV.		DEC. 1975		1976 JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	2.48 ⁰¹	184	2.2	138	2.82 ⁰⁵	288	2.80 ⁰⁴	320	2.83 ⁰²	310	S	V 378
2	2.45 ⁰²	173		140	3.02 ⁰⁴	394	2.75 ⁰⁴	296	2.83	310	S	V 346
3	2.46 ⁰²	176		148	2.87	315	2.59 ⁰³	232	2.84	315	S	V 317
4	2.46 ⁰²	176	3.22 ⁰⁷	155	2.82	292	2.68 ⁰²	260	2.76	280	S	V 286
5	2.40 ⁰⁵	152		165	2.80	284	2.82 ⁰¹	315	2.74	272	S	V 244
6	2.35 ⁰⁷	135	2.60 ¹⁶	176	2.91	335	2.85 ⁰¹	330	2.77	284	2.65 ⁰⁹	212
7	2.21 ¹³	95	2.33 ¹⁶	111	2.92	340	2.72	268	2.85	320	2.63 ⁰⁹	205
8	2.17 ¹⁵	85	2.22 ¹⁵	93	2.92	340	2.64 ⁰¹	236	2.89	340	S	V 168
9	2.30 ¹⁴	109	2.2	88	2.92 ⁰⁴	340	2.76 ⁰²	276	2.89	340	2.46 ¹²	150
10	2.34 ¹³	119		84	2.90 ⁰⁵	325	2.96 ⁰³	366	2.87	330	2.36 ¹²	176
11	2.33 ¹³	117		100	2.87	310	3.04	411	2.86 ⁰¹	325	2.26	106
12	2.27 ¹²	108	2.2	119	2.87	310	2.98	378	2.85 ⁰¹	320	2.37	128
13	S	V 100	2.38 ¹³	128	2.85	300	2.93	350	2.78	297	2.36	126
14	2.22 ⁰⁹	104	2.41 ¹³	135	2.84	296	2.86 ⁰³	315	2.77	288	2.38	131
15	2.25 ⁰⁸	111	2.42 ¹³	138	2.83	292	2.86	315	2.76	284	2.48	155
16	2.31 ⁰⁷	126	2.46 ¹²	150	2.84 ⁰⁵	296	2.87	320	2.77	288	2.48	155
17	2.39 ⁰⁶	148	2.57 ¹²	178	2.82 ⁰⁴	292	2.89 ⁰³	330	2.77	288	2.43	142
18	2.48 ⁰⁵	173	2.61 ¹²	189	2.83 ⁰⁴	296	2.83 ⁰²	305	2.75	280	2.43 ¹²	142
19	2.52 ⁰⁴	187	2.92 ¹¹	305	2.85 ⁰³	310	2.79 ⁰¹	292	2.72	268	2.47 ¹³	150
20	2.44 ⁰³	168	2.80 ¹⁰	260	2.87 ⁰²	325	2.79	292	2.73	272	2.52	162
21	2.43	169	2.54 ⁰⁹	178	2.82	310	2.79	292	2.72	268	2.53	165
22	2.42 ⁰³	162	S	V 175	2.83	315	2.78	288	2.74	276	2.52	162
23	2.39 ⁰²	158	2.51 ⁰⁷	176	2.83	315	2.80	296	2.83 ⁰¹	320	2.48 ¹³	152
24	2.30 ⁰³	133	2.55	187	2.87 ⁰¹	340	2.78	288	2.88 ⁰²	350	2.43 ¹⁴	138
25	2.25	128	2.50	173	2.88 ⁰¹	345	2.78	288	2.88	350	2.37 ¹⁵	122
26	2.40	165	2.48	168	2.86 ⁰²	340	2.79	292	2.84	330	2.35 ¹⁵	117
27	2.45	178	2.46	162	2.86 ⁰²	340	2.80	296	2.82	320	2.32 ¹⁵	111
28		173	2.46	160	2.84 ⁰³	335	2.79 ⁰¹	292	2.81	315	2.26 ¹⁶	98
29		160	2.42	152	2.80 ⁰⁴	320	2.82	305	2.77 ⁰²	296	2.22	92
30		155	2.42 ⁰⁷	152	2.80 ⁰⁴	320	2.83	310	XX	XXX	2.21	90
31	2.2	135	XX	XXX	2.79 ⁰⁴	315	2.82 ⁰¹	305	XX	XXX	2.17 ¹⁶	84

Total	4462	4683	9875	9459	8836	5210
Mean	144	156	319	305	305	168
Run-off in acre-feet	8850	9290	19590	18760	17530	10330
Maximum	187	305	394	411	350	378
Minimum	85	84	284	232	268	84

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Rating Table Used

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date				
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge													
17	16	84	S	v	143	3.37	648	2.54	256	S	v	907	2.07	205	1									
17	16	84	2.10	87	3.46	720	2.97	478	S	v	2900	2.05	195	2										
23	17	92	S	v	98	3.57	814	3.46	859	S	v	2860	2.17	232	3									
26	17	96	2.26	111	3.86	1090	S	v	917	S	v	2340	2.21	242	4									
38	18	119	2.24	108	3.98	1210	3.67	1040	4.48	2880	2.04	184	5											
48	17	142	2.23	106	S	v	1370	3.43	814	S	v	1970	1.90	145	6									
S	v	141	2.32	128	4.22	1700	3.46	841	S	v	1410	a	158	7										
45	15	140	2.55	195	4.45	2040	3.22	640	S	v	844		148	8										
35	14	119	2.62	222	4.09	1550	3.12	565	2.35	405		135	9											
24	13	100	2.53	195	4.38	1960	2.90	423	2.07	272		131	10											
S	v	137	2.59	218	4.38	1980	S	v	301	1.97	239		133	11										
60	10	192	2.47	178	4.30	1880	2.39	199	1.94	232		236	12											
71	09	232	2.35	145	4.18	1730	2.51	239	2.01	260		417	13											
82	08	276	2.36	148	3.90	1380	S	v	210	1.84	202		551	14										
87	07	300	2.29	128	3.54	1010	S	v	200	1.68	158	a	608	15										
90	06	320	2.25	117	3.61	1090	S	v	194	1.51	115	3.07	672	16										
90	06	320	2.44	160	3.20	720	S	v	181	1.53	119	1.75	92	17										
90	06	320	2.50	173	3.26	778	2.17	168	1.68	155	1.60	68	18											
01	04	388	2.64	212	3.09	648	2.31	208	1.61	135	S	164	19											
96	03	361	3.25	524	3.10	664	2.42	246	1.72	158	S	258	20											
85	02	315	3.41	648	2.85	491	S	v	243	1.65	135	S	371	21										
73		264	3.58	796	2.56	330	2.40	239	1.65	131	2.38	242	22											
71		256	3.58	796	2.61	356	2.40	239	1.93	199	2.12	162	23											
72		260	3.15	960	S	v	710	S	2.58	1.99	195	1.96	124	24										
75		272	3.62	841	3.71	1100	2.48	276	1.69	126	2.05	145	25											
73	07	264	3.35	616	3.68	1070	2.15	168	2.12	239	2.27	205	26											
58	03	208	3.10	447	3.50	895	2.21	184	2.30	310	S	688	27											
54	03	195	2.72	260	3.10	565	S	v	198	2.07	218	4.38	2010	28										
58	03	208	2.63	228	2.73	340	S	v	211	1.98	187	3.94	1420	29										
S	v	181	2.65	236	2.45	225	2.35	228	2.05	205	3.40	859	30											
XX	XXX	3.03	01	417	XX	XXX	2.30	212	2.03	195	XX	XXX	31											
		6384		9641		31064		11435		20701		11200		132950										
		213		311		1035		369		668		373		363										
		12660		19120		61610		22680		41060		22210		263700										
		388		960		2040		1040		2900		2010		2900										
		84		87		225		181		119		68		68										
													Water Year		1976									

Daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 1976

Drainage area 12,201 square miles.

Water stage recorder A-35 CONTINUOUS

Max. Discharge 7710 Sec. ft. at 2200 Hrs. on AUG. 3 1976 G.H. 8.63 ft.
Max. G. H. 8.63 ft. at 2200 Hrs. on AUG. 3 1976 Min. Daily Discharge sec.-ft. on

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	4.56	35	4.77	41	4.48	20	4.55	16	4.34	7.4	4.32	6.2
2	4.63	42	4.74	49	4.47	20	4.62	16	4.33	7.2	5	14
3	4.67	49	4.70	42	4.47	20	4.71	15	4.33	7.2	4.68	22
4	4.75	61	4.66	36	4.46	18	4.66	15	4.46	7.0	4.77	33
5	4.72	56	4.65	35	4.45	17	4.63	15	4.61	7.0	4.60	21
6	4.64	39	4.77	40	4.44	16	4.48	14	4.58	7.2	4.53	18
7	4.51	23	4.74	39	4.44	16	4.63	14	4.50	7.2	4.50	18
8	4.49	22	4.75	56	4.44	16	4.72	12	4.35	7.4	4.66	35
9	4.45	20	4.75	56	4.44	16	4.77	12	4.31	6.6	4.75	56
10	4.41	18	4.79	69	4.45	16	4.61	10	4.29	6.2	4.71	49
11	4.35	15	4.76	60	4.47	17	4.49	10	4.29	6.2	4.61	29
12	4.34	14	4.76	60	4.46	16	4.48	10	4.29	6.2	4.55	23
13	4.33	14	4.75	58	4.46	16	4.43	9.3	4.28	6.0	4.67	32
14	4.32	14	4.74	56	4.51	18	4.47	10	4.30	6.2	4.58	21
15	4.32	14	4.77	64	4.58	20	4.42	9.0	4.28	5.8	4.57	20
16	4.34	14	4.76	62	4.47	19	4.40	8.6	4.27	5.6	4.56	20
17	4.37	15	4.77	64	4.62	22	4.39	8.4	4.25	5.0	4.57	20
18	4.49	21	4.78	67	4.59	20	4.39	8.4	4.24	4.8	4.51	16
19	4.65	36	S	239	4.52	16	4.39	8.4	4.24	4.8	4.45	13
20	4.72	47	S	376	4.48	14	4.42	9.0	4.22	4.4	4.46	14
21	4.62	32	5.41	317	4.48	14	4.41	8.8	4.38	7.4	4.43	12
22	4.61	30	5.27	240	4.44	12	4.40	8.6	4.39	7.6	4.41	15
23	4.60	29	5.18	199	4.43	12	4.37	8.0	4.31	5.8	4.43	11
24	4.65	36	5.23	222	4.43	12	4.37	8.0	4.30	5.6	4.43	11
25	4.60	29	S	139	4.44	12	4.37	8.0	4.30	5.6	4.39	11
26	4.60	29	4.65	39	4.44	12	4.52	12	4.30	5.6	4.38	10
27	4.67	37	4.59	29	4.45	12	4.46	10	4.30	5.6	4.36	10
28	4.67	37	4.53	24	4.44	11	4.35	7.6	4.30	5.6	4.37	10
29	4.68	39	4.50	22	4.44	11	4.34	7.4	4.30	5.6	4.37	10
30	4.73	47	4.54	25	4.44	11	4.33	7.2	XX	XXX	4.35	10
31	4.74	49	XX	XXX	4.41	10	4.34	7.4	XX	XXX	4.35	10

Total	961	2868	477	323.1	179.8	600.2
Mean	31	956	15.4	10.4	6.20	19.4
Run-off in acre-feet	1910	5690	946	641	357	1190
Maximum	64	376	22	16	7.6	56
Minimum	14	22	10	7.2	4.4	6.2

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 01125000

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	G.H. compd.	G.H. check	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
1.33	50	99	4.90	51	62	5.44	41	312	4.99	30	154	S	350	4.55	75	1				
1.33	50	99	4.88	51	58	5.62	42	415	4.97	30	147	S	1,190	4.55	75	2				
1.35	49	11	4.76	52	35	5.69	44	450	5.38	31	334	S	1,980	4.54	72	3				
5	V	21	4.59	53	19	5.88	46	588	S	V	819	S	1,030	4.54	72	4				
1.65	34	45	4.48	53	14	6.04	46	740	5.86	35	670	S	297	4.55	15	5				
1.65		45	4.46		13	6.10	46	804	5.73		553	S	259	4.53	69	6				
1.66		47	4.44		12	S		576	5.53		402	S	685	4.55	75	7				
1.66		47	4.46	53	13	5.39	35	317	5.46	35	356	S	671	4.54	72	8				
1.68	34	51	4.49	54	14	5.57	33	443	5.21	34	231	5.30	344	S	43	9				
1.62	39	39	4.62	54	20	5.88	30	740	5.05	33	166	5.01	204	4.16	21	10				
1.63		40	4.51	54	15	5.89	30	750	4.69	32	58	4.88	151	4.11	18	11				
1.65		43	4.53	55	15	6.00	34	826	4.47	31	26	4.79	122	4.13	20	12				
1.66		45	4.50	56	14	5.82	30	606	4.49	30	28	4.70	94	4.17	22	13				
1.66	35	45	4.38	57	26	5.92	31	670	4.71	24	69	4.72	106	4.22	26	14				
4.66		45	4.37		74	5.90	32	633	S	V	284	4.61	80	S	262	15				
4.63		40	4.44		88	5.93	35	642	4.93	30	133	4.46	51	S	242	16				
4.64		42	4.46		93	5.95	37	642	5.18	31	231	4.31	29	S	308	17				
4.65		43	4.37		74	5.78		494	4.86		106	4.26	26	S	69	18				
4.65		43	4.36	55	7.2	5.65		402	4.46	31	25	4.26	26	4.36	28	19				
S		76	S		37	5.65		402	S	V	62	4.33	33	S	68	20				
1.79	35	75	5.34	38	275	5.63	37	389	S	32	70	4.46	54	S	152	21				
4.70	39	45	5.69	45	457	5.32	36	227	S	32	171	4.45	51	S	128	22				
1.62	43	28	5.91	48	597	5.18	35	170	4.73		67	4.46	54	4.65	86	23				
4.63	43	29	5.96	55	579	5.18		170	4.83	32	94	S	74	4.38	30	24				
4.61	44	27	6.02		633	5.77	35	502	5.22	31	250	4.60	88	4.25	20	25				
4.54	48	19	5.96	35	579	6.02	32	760	4.98	30	151	4.52	67	4.31	24	26				
4.51	49	17	5.68	30	471	5.94	41	690	4.59	29	43	4.50	62	S	74	27				
4.50	49	16	5.47	41	328	5.80	40	570	4.39	28	22	4.50	62	S	829	28				
4.48	49	16	5.12		162	5.47	37	350	S	26	51	4.50	62	5.69	740	29				
S	V	41	5.19		191	5.19	34	222	4.44		26	4.52	67	5.64	690	30				
XX	XXX		5.23	41	208	XX	XXX	4.37	38	20	4.56	78	XX	XXX		31				
11008		48687		15502		5819		8447		4485		45631.6								
367		157		517		188		272		150		125								
2180		9660		30750		11540		16750		8900		90510								
76		633		826		819		1980		829		1980								
99		72		170		20		26		18		4.4								

Water Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

Catchment area 795 square miles.

Water stage recorder A-35 CONTINUOUS

ft. on G. H. ft. on sec.-ft. on
 Max. Discharge at 7.5 ft. on
 Min. Daily Discharge
 Max. G. H. ft. at
 Sec. at 7.5 ft. on

Day	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	1.30 ⁺²⁰	19	a	30	⁶⁰³ a	15	1.37 ^b	0	1.29 ^b	11	1.14 ^b	15
2	a	19		25		15	1.45	0	1.28	10	1.14	15
3		17	⁶⁰⁶ a	20		15	1.13	0	1.32	10	1.14	15
4		15		20	a	20	1.17	10	1.25	10	1.18	10
5		14		20	⁶⁰⁴ a	20	1.27	10	1.17	10	1.17	10
6	⁶⁰⁴ a	13		20	1.45	20	1.26	10	1.30	10	1.15	10
7	1.23 ⁺²¹	15		25	1.38	20	1.53	5	1.46	15	1.15	10
8	1.18	12		30	1.36	20	1.70	8	1.34	20	⁶¹⁵ 1.21 ^b	5
9	1.18	12		30	1.37	20	1.32	10	⁶¹³ 1.37 ^b	25	1.19	6
10	1.20	13		25	1.34	15	1.34	10	1.32	30	1.22	10
11	1.20	13		25	1.36	15	1.40	15	1.21	25	1.21	10
12	1.20	13		20	1.33	15	⁶¹¹ 1.41 ^b	15	1.13	20	1.14	5
13	1.17 ⁺²¹	11		15	1.32	15	1.46	10	1.19	20	1.11	7
14	a	13		15	1.15	15	1.69	10	1.20	15	1.21	7
15		15		15	⁶⁰⁹ 1.25 ^b	15	1.55	15	1.19	15	1.24	10
16		20		15	1.22	15	1.36	15	1.12	10	1.20	8
17		20	⁶⁰⁷ a	15	1.22	15	1.58	15	1.20	10	1.19	10
18		15		15	1.29	15	1.60	15	1.10	9	1.20	10
19		15		10	1.36	15	1.42	10	1.10	8	1.21	10
20		15		10	1.35	15	1.63	10	1.18	7	1.23	10
21		15		10	1.42	10	1.55	10	1.25	6	1.16	10
22	⁶⁰⁵ a	12		10	1.32	10	1.61	10	1.17	5	1.13	10
23		15		15	1.30	10	1.66	10	⁶¹⁴ 1.18 ^b	5	1.14 ⁺²¹	9.7
24		15		15	1.32	10	1.60	10	1.25	1	⁶¹⁶ 1.15 ⁺²¹	10
25		15		10	1.34	10	1.38	10	1.26	10	1.14 ⁺²¹	9.7
26		15		10	1.35	10	⁶¹² 1.70 ^b	10	1.15	10	1.22 ⁺²⁰	14
27		15		10	1.31	10	1.44	10	1.17	10	1.30 ⁺¹⁷	18
28		15		10	1.30	10	1.26	10	1.17	10	1.19 ⁺¹⁸	11
29		10		15	⁶¹⁰ 1.28	10	1.44	10	1.14 ^b	10	1.27	16
30		20	a	15	1.35	10	1.32	10	XX	XXX	1.29 ⁺¹⁸	17
31	a	15	XX	XXX	1.27 ^b	10	1.36 ^b	10	XX	XXX	1.21 ⁺¹⁷	11

Total	475	518	440	328	372	324
Mean	15.3	17.3	14.2	11.3	12.8	10.5
Run-off in acre-feet	942	1027	872	651	738	643
Maximum	25	30	20	15	30	20
Minimum	11	9	10	8	5	5

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Rating Table Used No 15 2-17-75

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th			
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge					
1.20 ⁺¹⁷	11	1.44 ⁺¹⁶	27	5 ^v	89	1.80 ⁺¹⁵	69	S	305	70 ⁺⁸²	21	1				
1.22	12	1.36	21	1.72 ⁺¹²	53	1.78	66	S	114	S	20	2				
1.22	12	1.30 ⁶²³	16	1.72	53	1.79	67	S	387	a		3				
1.21	11	1.35 ⁺¹⁵	19	1.75	57	1.73	58	S	153			4				
1.24	13	1.33 ⁺¹⁵	18	1.84	71	1.73 ⁺¹⁵	58	1.00 ⁺⁷⁸	46			5				
1.26 ⁺¹⁷	14	1.37 ⁺¹⁴	20	2.17	143	1.65 ⁺¹⁶	49	.92	37			6	Quarter	Computed	Checked	Date
1.25	14	1.55 ⁺¹³	35	1.95	90	1.62	46	.91	36	a		7	Quarter			
1.24	13	1.60	40	1.69 ⁶²³	79	1.63	47	.91	36	.70 ⁺⁷⁸	18	8				
1.22	12	1.55	35	S	110	1.65	49	.92	37	.79 ⁶²¹	25	9				
1.21	11	1.51	31	2.04 ⁺¹⁶	119	1.52 ⁺¹⁶	35	.92 ⁶²⁹	37	.79 ⁺⁷⁸	25	10	4th			
1.22	12	1.47	27	2.01	112	1.46	29	.94 ⁺⁷⁸	39	.73 ⁺⁷⁸	20	11	3rd			
1.25 ⁺¹⁷	14	1.48	28	1.99	108	1.43 ⁶²⁵	26	a		a	15	12	3rd	LEWIS		
1.32 ⁺¹⁶	18	1.53	33	1.91	90	1.59	42		30		15	13	2nd			
1.34	19	1.54	34	1.84 ⁶²³	77	1.67	52		30	a	15	14	2nd			
1.37	21	1.53	33	1.80	71	1.62	46		30	S	26	15	1st			
1.36 ⁺¹⁶	21	1.62	42	1.73	60	1.65	49		30	S	41	16	1st			
1.33	18	1.70 ⁶²⁰	52	1.65	49	1.74	61		30	S	33	17	Quarter	Dis.app'd.	Dis.check	Date
1.33	18	1.68	49	1.64	48	1.55 ⁺¹⁶	38		30	S	30	18	Quarter			
1.32	18	1.69	51	1.70	56	S	157	a	35	.73 ⁺⁷⁸	20	19				
1.34	19	1.67	48	1.78 ⁺¹⁶	67	S	1050	S	50	.82	27	20	4th			
1.29	16	1.72 ⁺¹³	54	1.71 ⁺¹⁵	56	S	432	S	52	.90 ⁺⁷⁸	35	21	4th			
1.24	12	1.80 ⁺¹⁴	67	1.70	54	S	89	.86 ⁺⁶⁹	35	S	33	22	3rd			
1.25	13	1.75	60	1.73	58	S	346	.81 ⁺⁶⁸	30	.71 ⁶²²	19	23				
1.25	13	1.75	60	1.71	56	S	145	.90 ⁺⁶⁶	39	.70	18	24	2nd			
1.23	12	1.80	67	1.69	53	S	82	.92 ⁺⁶⁵	41	.81	27	25				
1.22	11	1.86	77	1.67	51	S	152	.85 ⁺⁶⁴	34	.88 ⁺⁸²	34	26	1st			
1.22	11	1.79	66	1.64	47	S	107	.74 ⁺⁶³	24	S	93	27				
S	17	1.69	52	1.63 ⁶²¹	46	1.16 ⁺⁶³	47	.69	20	1.08 ⁺⁷⁹	57	28	Quarter	G.H. coord.	G.H. check	Date
1.37	21	1.74	58	1.59	41	1.08	38	.73	23	S	47	29				
1.45 ⁺¹⁶	28	1.89	83	1.65 ⁺¹⁵	48	1.00 ⁺⁶³	30	.72	22	2.00 ⁺²³	45	30				
XX	XXX	1.90 ⁶²¹	85	XX	XXX	S	34	.70 ⁺⁸²	21	XX	XXX	31				
455		1388		2112		3596		1865		840		12713				
152		448		70.4		116		60.2		250		1060				
902		2753		4189		7132		3699		1066		25,216				
28		85		143		1050		387		73		1050				
11		16		41		26		21		15		5				

12-9-76
 G. LARSEN
 12-7-76
 D. DE YOUNG

Water Year
 1976

PURGATORIE

river at
Creek near **NINEMILE DAM near HIGBEE, CO**

daily Gage Height, in Feet, and Discharge in Second-Foot for the Year Ending September 30, 19 76

drainage area 2,900 square miles.

Water stage recorder A-35 CONTINUOUS

Max. Discharge 57,500 Sec. ft. at NINEMILE, WY. JULY 22
 Max. C. H. Discharge at UNKNOWN on July 22, Min. Daily Discharge 0 sec.-ft. on JULY 1975.
 MAXIMUM DISCHARGE NOTED ON JULY 22, FROM OBSERVER NOTES.
 S-DISCHARGE SUBDIVIDED, Q-DISCHARGE ESTIMATED-Y-VARRAGE SHIFT.

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.				
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge			
1					³³⁰ 5.44	7.6	3.20	48	3.2	3.32	46	14	3.17	39	6.8
2					3.30	13	a		3.0	3.32		14	3.15	39	5.6
3					3.33	17			3.0	3.31		13	3.18	39	7.4
4			³²⁸		3.34	18			2.6	3.32		14	3.25	b	7.0
5					3.35	19			3.0	3.32	⁴⁶	14	3.26	b	7.0
6					3.35	19			6.2	3.27	⁴⁵	10	3.23	⁴⁰	11
7					3.32	16			3.8	3.25		8.0	3.21		9.0
8	³²⁶				3.30	14			4.2	3.32		15	3.18		6.8
9					3.29	13			4.8	3.26	⁴⁵	9.0	3.19		7.4
10					3.31	15			5.0	3.18	⁴⁴	4.4	³³¹ 3.17	⁴⁰	6.7
11					3.29	13			5.0	³³⁵ 3.27	⁴⁴	10	3.20	⁴²	6.8
12					3.29	13			5.5	3.38	⁴³	2.4	3.22	⁴³	7.4
13					3.29	13			6.0	3.37		2.3	3.20	⁴⁴	5.6
14					3.27	11	³³³ a		6.5	3.38	⁴³	2.4	3.20	⁴⁴	5.6
15					3.11	1.4	3.35	⁵⁷	6.8	3.35	⁴²	2.2	3.17	⁴⁶	2.6
16					³³¹ 3.18	4.4	3.35	⁵⁷	6.8	3.30	⁴²	1.6	3.16		2.0
17					3.13	1.8	3.38	⁵⁶	10	3.25	⁴¹	1.2	3.16	⁴⁶	2.0
18					3.13	1.8	3.35	⁵⁵	8.0	3.19	⁴¹	6.8	3.19	⁴⁸	2.6
19					3.17	3.2	3.37	⁵⁴	11	3.16	⁴⁰	5.6	3.21	⁴⁷	3.2
20					3.15	2.0	3.34	⁵³	9.0	3.12		3.2	3.20	⁴⁹	2.6
21					3.13	1.6	3.31	⁵²	7.4	3.13	⁴⁰	3.8	3.22	⁵⁰	3.2
22					3.23	6.2	3.28	⁵¹	6.2	3.17	³⁹	6.8	3.24	⁵¹	3.8
23	³²⁷				3.25	6.8	3.30	⁵⁰	8.0	3.21		10	³²⁸ 3.24	⁵¹	3.8
24					3.28	8.0	3.29	⁵⁰	7.4	³³⁰ 3.22	³⁹	11	3.24	⁵¹	3.8
25					3.28	8.0	3.30	⁵⁰	8.0	3.16		6.2	3.26	⁵²	4.4
26					3.24	5.6	3.25	⁴⁹	5.6	3.13		4.4	3.24	⁵³	2.6
27					3.27	7.4	3.25	⁴⁹	5.6	3.18		7.4	3.27	⁵⁵	3.2
28					3.31	11	³³⁴ 3.33	⁴⁸	13	3.17		6.8	3.29	⁵⁶	3.8
29					3.26	6.8	3.30		10	3.17	³⁹	6.8	3.32	⁵⁸	4.4
30					³³² 3.28	8.0	3.30	⁴⁸	10	XX		XXK	3.35	⁶⁰	5.0
31					3.29	9.0	3.28	⁴⁷	9.0	XX		XXK	3.36	⁶¹	5.0

429810	Total	0	0	294.6	203.6	325.2	157.6
11.8	Mean	0	0	9.50	6.57	11.2	5.08
1830	Run-off in 2400000	0	0	584	404	645	313
301	Maximum	0	0	19	13	24	11
0	Minimum	0	0	1.4	3.0	3.2	2.0

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 07126

Rating Table Used

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
3.35	62 3.8	3.38	64 4.4	3.47	a 3.8		0	a	15		0	1									
3.35	3.8	3.45	66 7.4	3.22	57 1.0		0		71		0	2									
3.35	62 3.8	3.57	68 17	3.45	16	3.50	a 12		48		0	3									
3.40	66 4.4	3.55	69 14	3.34	6.2		6		47		0	4									
3.43	68 5.0	3.50	71 7.4	3.28	57 2.6		4	a	49		0	5									
3.44	5.6	3.47	69 6.8	S	V 20		2		27		0	6									
3.41	63 3.8	3.42	57 5.0	S	V 1460	a	1		42		0	7									
3.39	67 3.2	3.38	65 3.8	4.25	67 163		0		24		0	8									
3.38	67 2.6	3.35	63 3.2	3.76	67 43		0		14		0	9									
3.33	66 1.4	3.29	60 1.8	3.60	67 22		0		9		0	10									
3.33	1.4	3.25	58 1.4	a	12		0		13		0	11									
3.34	1.6	3.20	56 .80		7		0		5		0	12									
3.37	2.6	S	V .11		4		0		4		0	13									
3.33	66 1.4	3.02	0		2		0		2	3.50	0	14									
3.32	66 1.2	2.96	0	a	1		0	a	1		0	15									
3.30	65 1.0	2.96	0		0		0		0		0	16									
3.28	64 .80	2.95	0		0		0		0		0	17									
3.29	1.0	2.95	0		0		0		0		0	18									
3.28	64 .80	2.95	0		0	3.54	0		0		0	19									
3.32	63 1.8	2.94	0		0		0		0		0	20									
3.34	63 2.6	2.94	0		0		0		0		0	21									
3.33	63 2.0	2.96	0		0		500		0		0	22									
3.30	62 1.6	2.97	0		0	3.51	a 160		0		0	23									
3.29	62 1.4	S	68 13		0		133		0		0	24									
3.28	61 1.4	3.58	69 18	3.49	0		131		0		0	25									
3.28	1.4	S	63 149		0		105		0		0	26									
3.27	61 1.2	4.05	65 105		0		43		0		0	27									
3.29	60 1.8	3.65	61 36		0	a	36		0		0	28									
3.30	60 2.0	3.51	60 19		0	3.52	a 19		0	a	75	29									
3.46	62 12	3.42	59 11		0		16		0	a	45	30									
XX	XXX	a	70	XX	XXX	a	11		0	XX	XXX	31									
												Water Year		1976							
78.4		431.11		1763.6		1179		371		120		4924.									
2.61		139		58.8		38.0		12.0		4.00		13.									
156		855		3500		2340		736		238		977.									
12		149		1460		500		71		75		146									
0.80		0		0		0		0		0		0									

Water Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 76

Catchment area _____ square miles. Water stage recorder STEVENS "F" WEEKLY

Max. Discharge 50 Sec. ft. at 1900 Hrs. on JUNE 9, 1976 G. H. 1.62 ft.
 Max. G. H. 1.62 ft. at 1900 Hrs. on JUNE 9, 1976 Min. Daily Discharge 0 sec.-ft. on DAYS
5 - DISCHARGE SUBDIVIDED

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1		↑		↑		↑		↑		↑		↑
2		↑		↑		↑		↑		↑		↑
3												
4												
5												
6												
7												
8												
9												
10												
11												
12		No Flow		No Flow		No Flow		No Flow		No Flow		No Flow
13		No Flow		No Flow		No Flow		No Flow		No Flow		No Flow
14		No Flow		No Flow		No Flow		No Flow		No Flow		No Flow
15		No Flow		No Flow		No Flow		No Flow		No Flow		No Flow
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30		↓		↓		↓		↓	XX	XXX		↓
31		↓	XX	XXX		↓		↓	XX	XXX		↓

<u>007.97</u>	Total	0	0	0	0	0	0	0	0
<u>2.76</u>	Mean	0	0	0	0	0	0	0	0
<u>2000</u>	Run-off in acre-feet	0	0	0	0	0	0	0	0
<u>33</u>	Maximum	0	0	0	0	0	0	0	0
<u>0</u>	Minimum	0	0	0	0	0	0	0	0

STATE OF COLORADO
DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 09061500

Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge									
			0	0.75	.04 14	0.64	.03 11	0.37	.02 4.5	0.15	.02 .93	1								
			0	.82	.04 16	.58	9.2	5	7.5	.14	.82	2								
			0	1.02	23	.56	8.7	.37	4.5	.14	.82	3								
			0	1.15	28	.52	7.7	.29	3.0	.13	.71	4								
			0	1.23	32	.50	7.2	.26	2.5	.13	.71	5								
			0	1.13	28	.47	6.5	.24	2.1	.13	.71	6								
			0	1.14	28	.45	6.0	.23	2.0	.13	.71	7								
			0	1.18	30	.44	5.8	.25	2.3	.13	.71	8								
			0	1.26	33	.42	.03 5.4	.26	2.5	.13	.71	9								
			0	1.19	30	.39	.02 4.9	.23	2.0	.13	.71	10								
			0	1.02	23	.38	4.7	.32	3.5	.13	.71	11								
			0	.76	14	.36	4.3	.30	3.2	.13	.71	12								
			0	.72	13	.35	4.1	.25	2.3	.13	.71	13								
			0	.62	10	.33	3.7	.24	2.1	.15	.93	14								
			0	.56	8.5	.31	3.3	.20	1.6	.17	1.2	15								
			0	.65	11	.32	3.5	.20	1.6	.16	1.0	16								
		S	.02 1.6	.59	9.2	.30	3.2	.19	1.4	.14	.82	17								
			.37 4.5	.51	7.2	.30	3.2	.18	1.3	.13	.71	18								
			.44 6.0	.58	9.0	.35	4.1	.17	1.2	.12	.61	19								
			.52 7.9	.81	16	.36	4.3	.19	1.4	.12	.61	20								
			.52 .02 7.9	.88	18	.33	3.7	.20	1.6	.12	.61	21								
		S	√ 6.8	.88	18	.28	2.8	.18	1.3	.13	.71	22								
			.36 .03 4.1	.82	.04 16	.28	2.8	.18	1.3	.13	.71	23								
			.30 3.0	.67	.03 12	.27	2.6	.18	1.3	.12	.61	24								
			.27 2.5	.62	10	.28	2.8	.17	1.2	.16	1.0	25								
			.28 2.6	.67	12	.31	3.3	.17	1.2	.18	1.3	26								
			.39 .03 4.7	.70	13	.30	3.2	.19	1.4	.18	1.3	27								
			.58 .04 9.0	.67	12	.24	.02 2.1	.17	1.2	.17	1.2	28								
			.68 12	.61	10	.23	2.0	.16	1.0	.17	1.2	29								
			.72 13	.61	.03 10	.22	1.8	.16	1.0	.18	.02 1.3	30								
XX	XXX	.63	.04 10	XX	XXX	.20	.02 1.6	.15	.02 .93	XX	XXX	31								
			95.6		513.9		139.5		65.93		25.49									840.42
			3.08		17.1		4.50		2.13		0.85									2.30
			190		1020		277		131		50.6									1670
			13		33		11		7.5		1.3									33
			0		7.2		1.6		0.93		0.61									0

Water Year
1976

EWING DITCH

TENNESSEE PASS, COLO.

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder STEVENS "F" WEEKLY

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.20	.03 0.98										
2	.20	.98		↑		↑		↑		↑		↑
3	S	.03 .50										
4		0										
5		0										
6		0										
7		0										
8		0										
9		0										
10		0										
11		0										
12		0		No Flow		No Flow		No Flow		No Flow		No Flow
13		0										
14		0										
15		0										
16		0										
17		0										
18		0										
19		0										
20		0										
21		0										
22		0										
23		0										
24		0										
25		0										
26		0										
27		0										
28		0										
29		0		↓						↓		
30		0				↓		↓	XX	XXX		↓
31		0	XX	XXX					XX	XXX		
576.31	Total	2.46		0		0		0		0		0
1.58	Mean	0.08		0		0		0		0		0
1140	Run-off in acre-feet	4.9		0		0		0		0		0
11	Maximum	0.98		0		0		0		0		0
0	Minimum	0		0		0		0		0		0

Max. Discharge 8.11 Sec. ft. at 1900 Hrs on MAY 17, 1976 G. H. 0.73 ft.
 Max. G. H. 0.73 ft. at 1900 Hrs on MAY 17, 1976 Min. Daily Discharge 0 sec.-ft. on DAVS
5 - DISCHARGE SUBDIVIDED

Calendar Year
1975

BOUSTEAD TUNNEL

near LEADVILLE, COLO.

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder STEVENS A-35 CONTINUOUS

Max. Discharge 662 Sec. ft. at 2000 Hrs. on JUNE 5, 1976 G. H. 4.52 ft.
 Max. G. H. 4.59 ft. at 2000 Hrs. on JUNE 5, 1976 Min. Daily Discharge 0 sec.-ft. on _____ DAYS
 S - SUBDIVIDED DISCHARGE

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1		↑		↑		↑		↑		↑		↑
2												
3												
4												
5												
6												
7												
8												
9												
10												
11		No Flow		No Flow		No Flow		No Flow		No Flow		No Flow
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30		↓				↓		↓	XX	XXX		↓
31			XX	XXX					XX	XXX		

18588.3	Total	0	0	0	0	0	0	0	0	0
50.9	Mean	0	0	0	0	0	0	0	0	0
36870	Run-off in acre-feet	0	0	0	0	0	0	0	0	0
437	Maximum	0	0	0	0	0	0	0	0	0
0	Minimum	0	0	0	0	0	0	0	0	0

Calendar Year 1975

DIVISION OF WATER RESOURCES
OFFICE OF STATE ENGINEER

Sta. No. 09077160

Rating Table Used

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	Computed	Checked	Date	
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge										
	↑		0	3.00	335	1.57	119		0			1									
			0	3.32	394	1.80	148		0			2									
		S	8.6	3.33	396	1.68	133		0			3									
		.58	24	3.58	445	1.62	125	S	14			4									
		.60	26	3.85	500	1.51	112	.58	24			5									
		.81	41	3.45	419	1.43	102	.30	8.4			6									
		.91	50	3.24	379	1.34	92		0			7									
		.92	51	3.42	413	1.34	92		0			8									
		.94	52	3.50	429	1.32	90		0			9									
		1.03	61	3.38	406	1.12	69		0			10									
	No Flow	1.17	74	3.02	339	1.06	64		0			11									
		1.12	69	2.53	255	¹⁶ 1.02	60		0			12									
		1.09	66	2.14	195	1.08	65		0			13									
		S	105	1.92	164	.92	51		0			14									
		2.01	177	1.74	140	¹⁷ .98	56		0			15									
		2.27	215	¹⁵ 1.63	126	S	56		0			16									
		2.42	238	1.57	119	.56	23		0			17									
		2.67	278	1.45	105	.56	23		0			18									
		¹⁴ 2.77	295	1.25	83	.75	36		0			19									
		2.93	323	1.46	106	.70	33		0			20									
		3.04	342	2.03	179	.54	22		0			21									
		2.43	239	2.48	247	.48	18		0			22									
		1.88	159	2.44	241	.32	9.3		0			23									
		1.68	133	1.88	159	.18	3.7		0			24									
		1.71	136	1.60	123	.17	3.4		0			25									
		1.72	138	1.46	106	.15	2.8		0			26									
		2.15	197	1.42	101		0		0			27									
		2.62	270	1.60	123		0		0			28									
		2.92	321	1.59	121		0		0			29									
		2.83	305	1.28	86		0		0			30									
XX	XXX	2.62	270	XX	XXX		0		0			31									
		0	4663.6		7234		1608.2		46.4												13552.2
		0	150		241		51.9		1.50												37.1
		0	9250		14350		3190		92												26,880
		0	342		500		148		24												500
		0	0		83		0		0												0
												Water Year		1976							

BUSK-IVANHOE TUNNEL

Creek near **LEADVILLE, COLO.**

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 19 **76**

Drainage area _____ square miles.

Water stage recorder **STEVENS "F" WEEKLY**

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.09	1.2										
2	.09	1.2										
3	.09	1.2										
4	.08	1.1										
5	.08	1.1										
6	.08	1.1										
7	.08	1.1										
8	.09	1.2										
9	.09	1.2										
10	.10	1.4										
11	.10	1.4										
12	.10	1.4										
13	.10	1.4										
14	.09	1.2										
15	.10	1.4										
16	.11	1.5										
17	.09	1.2										
18	.10	1.4										
19	.09	1.2										
20	.09	1.2										
21	.08	1.1										
22	.08	1.1										
23	.09	1.2										
24	.09	1.2										
25	a	1.2										
26	a	1.2										
27	a	1.2										
28	.09	1.2										
29	.08	1.1										
30	.08	1.1							XX	XXX		
31	S	1.57	XX	XXX					XX	XXX		
3589.72		Total	37.27									
9.83		Mean	1.20									
7120		Run-off in acre-feet	74									
118		Maximum	1.5									
0		Minimum	0.57									

Max. Discharge **93.6** Sec. ft. at **1300 Hrs** on **June 8, 1976** G. H. **1.93** ft.
 Max. G. H. **1.93** ft. at **1300 Hrs** on **June 8, 1976** Min. Daily Discharge **0** sec.-ft. on **MANY DAYS**
S - DISCHARGE SUBDIVIDED

Calendar Year **1975**

STATE OF COLORADO
 DIVISION OF WATER RESOURCES
 OFFICE OF STATE ENGINEER

Sta. No. 09077500
 Rating Table Used _____

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th	3rd	2nd	1st	Quarter	4th	3rd	2nd	1st	Quarter	4th	3rd	2nd	1st	Quarter	4th	3rd	2nd	1st	Water Year
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge																					
	↑		0	1.33 ^{†02}	52	S	^{†03} 24	0.21 ^{†04}	3.4	a	1.7	1	D. DE YOUNG	G. LARGENT			Computed	Checked	Date													
			0	1.42	58	.99	33	.22	3.7		1.7	2																				
			0	1.45	59	.93	30	.28	5.1		1.7	3																				
			0	1.53	65	.88	28	.28	5.1		1.7	4																				
			0	1.65	73	.84	26	.25 ^{†04}	4.4		1.7	5																				
			0	1.74	79	S	17	.21 ^{†05}	3.7		1.7	6																				
			0	1.70	76	.23	3.7	.18 ^{†06}	3.2		1.7	7																				
			0	1.82	85	.23	3.7	.18	3.2		1.7	8																				
			0	1.83	86	.20	3.0	.18	3.2		1.8	9																				
			0	1.81	84	.17	2.4	.17	3.0		1.8	10																				
NO FLOW		S	^{†01} 0.97	1.80	84	.17	2.4	^{†06} 1.8	3.2		1.8	11	D. DE YOUNG	G. LARGENT			Dis. appld.	Dis. check	Date													
			S	3.9	1.62	71	^{†03} 1.8	2.4	.25 ^{†05}	4.6		1.8																			12	
				.36	6.5	1.47	61	.17	2.4	.30	5.9	1.8																			13	
				.43	8.6	1.40	56	.18	2.6	.29	5.7	1.8																			14	
				.53	12	1.23 ^{†02}	46	.18	2.6	.27 ^{†05}	5.1	a																			1.8	15
				.60	14	^{†03} 1.09	38	S	19	.23 ^{†04}	3.9	.13 ^{†04}																			1.8	16
				.71	19	1.03	35	.81	24	.22	3.7	.13																			1.8	17
				.83	24	.97	32	.62	16	.21	3.4	.13																			1.8	18
			^{†01} 1.86	26	.92	30	.51	12	.20	3.2	.12	1.7																			19	
				.91	28	.97	32	.45	9.8	.18	2.8	.12																			1.7	20
			1.03	34	1.08	38	.43 ^{†03}	9.2	.18	2.8	.12	1.7	21	D. DE YOUNG	G. LARGENT																	
			1.02	34	1.20	45	.37 ^{†04}	7.6	.17	2.6	.12	1.7	22																			
			.92	28	1.29	50	.32	6.2	.17	^{†04} 2.6	.12	1.7	23																			
			.78	22	1.22	46	.28	5.1	a	2.2	.12	1.7	24																			
			.73	20	1.11	40	.27	4.9 ^{†01}	a	1.8	.14	2.0	25																			
			.69	18	S	19	.28	5.1	.12 ^{†04}	1.7	.18	2.8	26																			
			.74	20	.35	6.8	.30	5.7	.13	1.8	.22	3.7	27																			
		^{†01} 1.96	30	.35	6.8	.29	5.4	.13	1.8	.21 ^{†04}	3.4	28																				
		^{†02} 1.18	43	.36	7.0	.28	5.1	.13	1.8	a	3.4	29																				
			1.30	50	^{†03} 1.34	6.5	.27	4.9	.12	1.7	a	3.4	30																			
XX	XXX		^{†02} 1.27	48	XX	XXX	.24 ^{†04}	4.1	.12 ^{†04}	1.7	XX	XXX	31																			
0		489.97		1467.1		327.3		102.0		60.5	2484.14																					
0		15.8		48.9		10.6		3.29		2.02	6.79																					
0		972		2910		649		202		120	4930																					
0		50		86		33		59		37	86																					
0		0		65		24		1.7		1.7	0																					

Water Year
 1976

Daily Gage Height, in Feet, and Discharge in Second-Feet for the Year Ending September 30, 1976

Drainage area _____ square miles.

Water stage recorder **STEVENS A-35 CONTINUOUS**

Max. Discharge **505** sec.-ft. at **0900** Hrs. on **JUNE 10, 1976** G. H. **4.85** ft.
 Max. G. H. **4.85** ft. at **0900** Hrs. on **June 10, 1976** Min. Daily Discharge _____ sec.-ft. on _____
S - DISCHARGE SUBDIVIDED

Day.	OCT.		NOV.		DEC.		JAN.		FEB.		MAR.	
	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge
1	0.12	1.6	0.10	1.2	0.21	3.8	0.16	2.5	0.15	2.2	a	2.5
2	.12	1.6	.10	1.2	.21	3.8	.15	2.2	.15	2.2		2.5
3	.12	1.6	.10	1.2	.21	3.8	.15	2.2	.15	2.2		2.5
4	.11	1.4	.5	4.9	.20	3.6	.15	2.2	.15	2.2		2.5
5	.11	1.4	.28	6.1	.20	3.6	.15	2.2	.15	2.2		2.5
6	.10	1.2	.27	5.8	.20	3.6	.15	2.2	.16	2.5		2.5
7	.10	1.2	.25	5.1	.20	3.6	.15	2.2	.17	2.7		2.5
8	.10	1.2	.27	5.8	.18	3.0	.15	2.2	.17	2.7		2.5
9	.10	1.2	.26	5.4	.18	3.0	.16	2.5	.17	2.7		2.5
10	.09	.99	.24	4.8	.18	3.0	.16	2.5	.17	2.7		2.5
11	.09	.99	.25	5.1	.17	2.7	.16	2.5	.17	2.7		2.5
12	.08	.82	.24	4.8	.18	3.0	.16	2.5	.17	2.7	a	2.5
13	.08	.82	.24	4.8	.18	3.0	.16	2.5	a	2.7	.16	2.5
14	.08	.82	.22	4.2	.19	3.3	.15	2.2		2.7	.15	2.2
15	.08	.82	.22	4.2	.19	3.3	.15	2.2		2.7	.16	2.5
16	.08	.82	.21	3.8	.18	3.0	.15	2.2		2.7	.15	2.2
17	.09	.99	.21	3.8	.18	3.0	.15	2.2		2.7	.15	2.2
18	.10	1.2	.20	3.6	.18	3.0	.15	2.2		2.7	.15	2.2
19	.10	1.2	.21	3.8	.17	2.7	.15	2.2		2.7	.15	2.2
20	.10	1.2	.22	4.2	.17	2.7	.15	2.2		2.7	.16	2.5
21	.10	1.2	.21	3.8	.17	2.7	.15	2.2		2.7	.15	2.2
22	.10	1.2	.21	3.8	.16	2.5	.15	2.2		2.7	.14	2.0
23	.10	1.2	.20	3.6	.16	2.5	.15	2.2		2.7	.15	2.2
24	.10	1.2	.20	3.6	.16	2.5	.15	2.2		2.7	.14	2.0
25	.10	1.2	.21	3.8	.16	2.5	.16	2.5		2.7	.14	2.0
26	.10	1.2	.20	3.6	.16	2.5	.16	2.5		2.7	.15	2.2
27	.10	1.2	.20	3.6	.16	2.5	.16	2.5		2.7	.14	2.0
28	.10	1.2	.20	3.6	.16	2.5	.15	2.2		2.5	.14	2.0
29	.10	1.2	.21	3.8	.16	2.5	.15	2.2	a	2.5	.14	2.0
30	.10	1.2	.21	3.8	.15	2.2	.15	2.2	XX	XXX	.14	2.0
31	.10	1.2	XX	XXX	.16	2.5	.15	2.2	XX	XXX	.14	2.0

4,940.76	Total	36.27	120.8	91.9	70.9	75.2	71.1
683	Mean	1.17	4.03	2.96	2.29	2.59	2.29
494.70	Run-off in acre-feet	72	240	182	141	149	141
556	Maximum	1.6	6.1	3.8	2.5	2.7	2.5
0.39	Minimum	0.82	1.2	2.2	2.2	2.2	2.0

DIVISION OF WATER RESOURCES

Rating Table Used

OFFICE OF STATE ENGINEER

APR.		MAY		JUNE		JULY		AUG.		SEPT.		Day.	4th
Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge	Gage height	Discharge		
0.14	2.0	0.12	1.6	3.43	336	2.65	222	1.04	50	0.57	19	1	3rd
.15	2.2	S	18	4.28	479	2.74	235	1.05	51	.56	18	2	2nd
.15	2.2	S	15	4.37	495	2.90	257	1.06	51	²⁰ .56	18	3	2nd
.15	2.2	S	25	4.52	522	2.82	246	a	51	a	18	4	1st
.16	2.5	S	43	4.74	564	2.57	212	a	51	.53	17	5	1st
.17	2.7	S	50	4.80	575	2.05	147	.98	45	.53	17	6	Quarter
.17	2.7	a	82	4.47	513	2.12	156	.92	41	S	8.1	7	Computed
.17	2.7	a	28	4.42	504	2.16	160	.91	40	.12	1.6	8	Checked
.17	2.7	S	24	4.49	517	2.41	191	.92	41	.11	1.4	9	Date
.17	2.7	S	44	4.77	569	2.37	186	.91	40	.10	1.2	10	4th
a	2.7	1.88	128	4.75	566	2.00	142	¹² .91	40	.10	1.2	11	3rd
	3.3	1.84	124	S	364	¹⁸ .91	132	.92	41	.09	.99	12	3rd
	3.8	S	27	3.17	296	1.93	134	.92	41	.09	.99	13	2nd
	3.8	1.26	68	2.79	241	1.90	131	.91	40	.09	.99	14	2nd
a	3.8	1.82	122	1.92	133	1.83	123	.90	40	a	.99	15	1st
.21	3.8	2.65	222	2.57	212	1.48	88	.78	31		.99	16	1st
.21	3.8	2.67	225	2.93	261	1.31	72	.56	18		.99	17	Quarter
.21	3.8	2.85	250	2.28	175	1.28	69	.57	19		1.4	18	Dis.appld.
.20	3.6	3.28	313	2.07	150	1.32	73	.59	20		2.0	19	Dis.check
.20	3.6	3.24	307	2.31	178	1.57	96	.60	21		1.8	20	4th
.20	3.6	3.29	314	3.79	394	1.87	127	.61	21		.39	21	4th
.18	3.0	3.16	295	4.02	433	1.64	103	.62	22		.39	22	3rd
.19	3.3	2.43	194	3.69	378	S	46	.67	25		.39	23	3rd
.21	3.8	2.15	159	3.05	278	.68	25	.83	35		.39	24	2nd
.21	3.8	2.06	149	2.42	192	.92	41	.82	34		.39	25	2nd
.21	3.8	1.98	139	2.32	180	1.10	54	.91	40		.39	26	1st
.21	3.8	2.22	167	3.10	286	1.17	60	.90	40		.39	27	1st
.23	4.4	3.28	313	3.57	358	1.39	79	.77	31		.39	28	Quarter
.28	6.1	3.53	352	3.18	298	1.31	72	.77	31		.39	29	G.H.copd.
.25	5.1	3.43	336	¹² a	260	1.07	52	.75	30	a	.39	30	G.H.check
XX	XXX	3.02	274	XX	XXX	1.05	51	.66	24	XX	XXX	31	Date
												Water Year	
												1976	
101.3		4808.6		10707		3782		1105		135.54		21105.61	
3.38		155		357		122		35.6		4.52		57.7	
201		9540		21240		7500		2190		269		41,860	
6.1		352		575		257		51		19		575	
2.0		1.6		133		25		18		0.39		0.39	

