INTRODUCTORY STATEMENT

Annual Division Engineers Report
Irrigation Division #2

Irrigation Division #2 consists of all lands irrigated from ditches and canals taking water from the Arkansas River and its tributaries. The Division is made up of eleven Water Districts (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 66, & 67) which comprise the counties of El Paso, Chaffee, Lake, Fremont, Custer, Pueblo, Huerfano, Las Animas, Park, Teller, Crowley, Otero, Bent, Prowers, Baca, and Kiowa. The area encompassed by Irrigation Division #2 may be best described by the following summarized table.

IRRIGATION DIVISION II

BACA COUNTY

MAJOR CITY	SPRINGFIELD
ELEVATION	4,365
MAJOR STREAM	CARRIZO
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	56,910
ANNUAL PERCIPITATION	13"-16"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	750
LENGTH - GROWING SEASON	161 Days
WATER RESOURCE PROJECTS	UNDERGROUND WATER DISTRICT
COMMENTS - LAND DEVELOPMENT	NONE KNOWN

IRRIGATION DIVISION II

BENT COUNTY

MAJOR CITY	LAS ANIMAS
ELEVATION	3901
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	PURGATOIRE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	45,292
ANNUAL PERCIPITATION	12"-13"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	450
LENGTH - GROWING SEASON	162 Days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	NONE KNOWN

IRRIGATION DIVISION II

CHAFFEE COUNTY

MAJOR CITY	SALIDA
ELEVATION	7,036
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	SO. ARKANSAS
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	16,216
ANNUAL PERCIPITATION	10"-30"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	170
LENGTH - GROWING SEASON	102 days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	SEVERAL-UNKNOWN

IRRIGATION DIVISION II

CROWLEY COUNTY

MAJOR CITY	ORDWAY
ELEVATION	4,312
MAJOR STREAM	HORSE
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	25,010
ANNUAL PERCIPITATION	11"-12"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	400
LENGTH - GROWING SEASON	157 Days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	ONE KNOWN

IRRIGATION DIVISION II

CUSTER COUNTY

MAJOR CITY	WESTCLIFFE
ELEVATION	7,888
MAJOR STREAM	GRAPE
MAJOR TRIBUTARY	TEXAS
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	15,930
ANNUAL PERCIPITATION	15"-25"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	180
LENGTH - GROWING SEASON	80 Days
WATER RESOURCE PROJECTS	U.S.G.S. UNDERGROUND WATER STUDY
COMMENTS - LAND DEVELOPMENT	FOUR KNOWN

IRRIGATION DIVISION II

EL PASO COUNTY

MAJOR CITY	COLORADO SPRINGS
ELEVATION	6,012
MAJOR STREAM	FOUNTAIN
MAJOR TRIBUTARY	MONUMENT
MAJOR WATER USE	IRRIGATION/COMMERCIAL
IRRIGATED ACRES	13,630
ANNUAL PERCIPITATION	12"-20"
MAJOR INDUSTRY	U.S. DEFENSE DEPARTMENT
NUMBER OF FARMS	750
LENGTH - GROWING SEASON	122 Days
WATER RESOURCE PROJECTS	FRYING-PAN HOMESTAKE
COMMENTS - LAND DEVELOPMENT	EIGHT KNOWN

IRRIGATION DIVISION II

FREMONT COUNTY

MAJOR CITY	CANON CITY
ELEVATION	5,332
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	GRAPE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	14,920
ANNUAL PERCIPITATION	12"-20"
MAJOR INDUSTRY	RANCH/FARM STATE PENITENTIARY
NUMBER OF FARMS	421
LENGTH - GROWING SEASON	169 days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	3 KNOWN

IRRIGATION DIVISION II

HUERFANO COUNTY

MAJOR CITY	WALSENBURG
ELEVATION	6,185
MAJOR STREAM	HUERFANO
MAJOR TRIBUTARY	CUCHARAS
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	11,453
ANNUAL PERCIPITATION	11"-25"
MAJOR INDUSTRY	RANCHING
NUMBER OF FARMS	280
LENGTH - GROWING SEASON	153 Days
WATER RESOURCE PROJECTS	NONE KNOWN
COMMENTS - LAND DEVELOPMENT	6 KNOWN

IRRIGATION DIVISION II

EADS COUNTY

MAJOR CITY	EADS
ELEVATION	4,213
MAJOR STREAM	BIG SANDY
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	5,127
ANNUAL PERCIPITATION	12½"-14½"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	350
LENGTH - GROWING SEASON	155 Days
WATER RESOURCE PROJECTS	NONE
COMMENTS - LAND DEVELOPMENT	NONE KNOWN

IRRIGATION DIVISION II

KIT CARSON COUNTY

MAJOR CITY	BURLINGTON
ELEVATION	4,163
MAJOR STREAM	REPUBLICAN
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	56,576
ANNUAL PERCIPITATION	13"-16"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	840
LENGTH - GROWING SEASON	153 Days
WATER RESOURCE PROJECTS	NONE
COMMENTS - LAND DEVELOPMENT	NONE KNOWN

IRRIGATION DIVISION II

LAKE COUNTY

MAJOR CITY	LEADVILLE
ELEVATION	10,152
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	LAKE FORK
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	6,036
ANNUAL PERCIPITATION	10"-35"
MAJOR INDUSTRY	MINING
NUMBER OF FARMS	17
LENGTH - GROWING SEASON	77 Days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	4 KNOWN

IRRIGATION DIVISION II

LAS ANIMAS COUNTY

MAJOR CITY	TRINIDAD
ELEVATION	6,025
MAJOR STREAM	PURGATOIRE
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	19,463
ANNUAL PERCIPITATION	11"-20"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	200
LENGTH - GROWING SEASON	152 Days
WATER RESOURCE PROJECTS	TRINIDAD DAM
COMMENTS - LAND DEVELOPMENT	3 KNOWN

IRRIGATION DIVISION II

OTERO COUNTY

MAJOR CITY	LA JUNTA
ELEVATION	4,066
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	HORSE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	57,675
ANNUAL PERCIPITATION	11"-12"
MAJOR INDUSTRY	RANCH/FARM
NUMBER OF FARMS	690
LENGTH - GROWING SEASON	150 Days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	NONE KNOWN

IRRIGATION DIVISION II

PROWERS COUNTY

MAJOR CITY	LAMAR
ELEVATION	3,622
MAJOR STREAM	ARKANSAS
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION/COMMERCIAL
IRRIGATED ACRES	93,044
ANNUAL PERCIPITATION	13"-15"
MAJOR INDUSTRY	FARM/STEEL
NUMBER OF FARMS	469
LENGTH - GROWING SEASON	150 Days
WATER RESOURCE PROJECTS	FRYING-PAN
COMMENTS - LAND DEVELOPMENT	7 KNOWN

IRRIGATION DIVISION II

TELLER COUNTY

MAJOR CITY	CRIPPLE CREEK
ELEVATION	9,494
MAJOR STREAM	FOUR MILE
MAJOR TRIBUTARY	NONE
MAJOR WATER USE	IRRIGATION
IRRIGATED ACRES	865
ANNUAL PERCIPITATION	14"-20"
MAJOR INDUSTRY	TOURISM
NUMBER OF FARMS	10
LENGTH - GROWING SEASON	68 Days
WATER RESOURCE PROJECTS	NONE
COMMENTS - LAND DEVELOPMENT	5 KNOWN

PERSONNEL
DIVISION NO. 2
DIVISION OF WATER RESOURCES

Name	Position	District	Months Worked	Mileage
Rudy Styduhar	Division Engineer	Division No. 2	Full Time	11,185
Robert Jesse	Asst. Div. Engineer	Division No. 2	Full Time	12,436
Mrs. Emmajean Perko	Int. Clk. Typist	Division No. 2	Full Time (6 Mo.)	None
Rufus Marshall	Water Commissioner	#10	Full Time	17,044
Merle Hardin	Deputy Water Comm.	#10	3 mo.	4,437
Ralph Barnhart	Water Commissioner	#11	Full Time	18,311
Forrest Schneider	Deputy Water Comm.	#11	7 Mo.	7,245
John Farwell	Deputy Water Comm.	#11	6 Mo.	4,998
Jack McDonough	Water Commissioner	#12	Full Time	12,669
Byron Bean	Deputy Water Comm.	#12	5 Mo.	6,400
Thomas Young	Deputy Water Comm.	#12	4 Mo.	5,060
Gayle Patterson	Water Commissioner	#13	Full Time	5,646
Casper Seybold	Deputy Water Comm.	#13	6 Mo.	5,584
Cecil Shepard	Water Commissioner	#14	Full Time	9,806
Beverly Klipfel	Water Commissioner	#15	Full Time	15,632
Joe Faris	Water Commissioner	#16	Full Time	13,285
Robert Brgoch	Deputy Water Comm.	#16	7 Mo.	10,646
Augustine Garcia	Deputy Water Comm.	#16	3 Mo.	4,815
William Pattie	Water Commissioner	#17	Full Time	16,742
George Watson	Deputy Water Comm.	#17	None	None
George Stakich	Water Commissioner	#18	6 Mo.	4,668
Bob Mariano	Water Commissioner	#19	Full Time	10,535
John Cusimano	Deputy Water Comm.	#19	1 Mo	403
Manuel Vigil	Deputy Water Comm.	#19	None	None

Name	Position	District	Months Worked	Mileage
Lane Hackett	Water Commissioner	#66,67	Full Time	15,841
Robert J. Coldfelter	Deputy Water Comm.	#66,67	7 Mo.	284
Daries C. Lile	Hydrographer	Division #2	Full Time	None
James Kasic	Hydrographer	Division #2	Full Time	None
Raymond Walker	Hydrographer	Division #2	Full Time (7 Mo.)	None
Raymond Liesman	Hydrographer	Division #2	1/2 Mo.	None

Total Miles Water Commissioners: 190,051

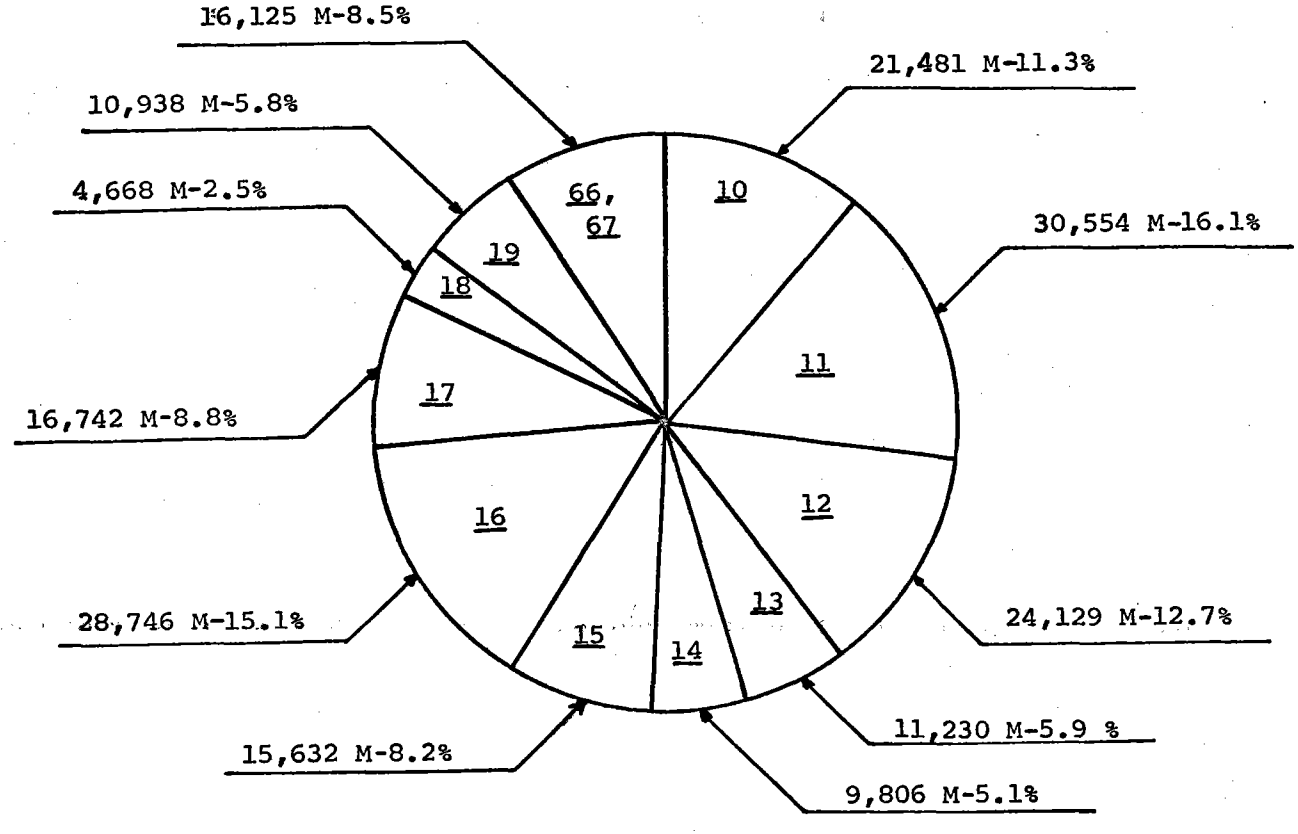
Total Miles Division Engineer and Assistant: 23,621

Total Miles Hydrographers: 0

Total 213,672 Miles

IRRIGATION DIVISION NO. 2
WATER DISTRICT MILEAGE

July 1, 1970 to June 30, 1971



Total Miles: 190,051 Miles

SNOW PACK
IRRIGATION DIVISION #2

STATION	WATER CONTENT % NORMAL - MAY 1971	SNOW DEPTH	WATER CONTENT MAY 1, 1971	INCHES AVERAGE	
Bigelon Divide	241%	16"	5.3	2.2	
Cooper Hill					
East Fork	105%	22"	7.8	7.4	
Four Mile Park	33%	1"	.03	1.0	
Fremont Pass	101%	52"	17.7	17.9	
Garfield	69%	17"	5.9	8.5	
Monarch Pass	85%	38"	14.0	16.5	
Tennessee Pass	87%	17"	6.7	7.7	
Twin Lakes Tunnel	88%	30"	9.9	8.7	
Westcliffe		0	0	1.0	
Blue Lakes		0	0	.5	
Cucharas Pass	-	0	0	-	
La Veta Pass		0	0	1.6	
Bourbon		0	0	1.6	

PRECIPITATION
IRRIGATION DIVISION #2

STATION	April 1971	May 1971	June 1971	July 1971	August 1971	September 1971
Lamar	1.13	2.05	1.43	3.66	1.92	1.46
Leadville	1.41	1.17	.80	1.07	1.95	2.38
Pueblo	.88	.73	.66	1.93	.85	1.24
Trinidad	.62	1.22	.19	4.47	1.31	2.40
Westcliffe	.83	2.21	.23	2.80	1.50	2.31

No storms of consequence were reported in the Arkansas Drainage area this year. There were isolated cases of heavy thunder storms, only very local flooding of some small road culverts resulted.

No reports of any hail suppression or "Rain Making" were made. There were very local and heavy hail storms in the Pueblo area, the crop damage in the affected area was severe.

Due to a late frost this fall this was the shortest growing season of record.

W.Y. 1970

Water Budget, Arkansas River in Colorado (Exclusive of Fountain Creek)

(Units = 1,000 A.F.)

Derivation of Basin Yield

1.	Recorded runoff Arkansas River near Portland (includes 77.8 of trans. mtn. diversion)	757.4
2.	Estimated depletion by irrigation above gage 1.5 ft. x 88,000 A.	132.0
3.	Minnequa Canal Diversion	85.5
4.	Drainage area yield at Portland gage	974.9
5.	Recorded St. Charles River near Vineland	23.8
6.	St. Charles Diversion to CF&I	19.9
7.	Estimated irrigation depletions above St. Charles gage, 1.5 ft. x 8,500 A	12.8
8.	Drainage area yield at St. Charles gage	56.5
9.	Recorded Cucharas River at Boyd Ranch	15.8
10.	Estimated irrigation depletions above Boyd Ranch, 1.5 ft. x 500 A.	0.8
11.	Drainage area yield at Boyd Ranch	16.6
12.	Recorded Apishapa River near Fowler	17.4
13.	Estimated irrigation depletion above Fowler, 1.5 ft. x 4700 A.	7.0
14.	Drainage area yield at Fowler	24.4
15.	Recorded Purgatoire River near Las Animas	33.9
16.	Estimated irrigation depletions above Las Animas, 1.5 ft. x 36,000 A.	54.0
17.	Drainage area yield Purgatoire River	87.9
18.	**Total Basin Yield (4) + (8) + (11) + (14) + (17)**	1,160.3

W.Y. 1970

Water Budget, Arkansas River in Colorado (Exclusive of Fountain Creek)

(Units = 1,000 A.F.)

Depletion by Municipalities:

1.	Municipal Diversions (Pueblo only)	23.0
2.	Municipal Return Flow (Pueblo only)	14.2
3.	Depletion by Municipal use	8.8

Depletion by Industrial Use:

4.	Diversion by Minnequa Canal (CF&I)	85.5
5.	CF&I Diversion from St. Charles	19.9
6.	CF&I Effluent (Salt Creek)	84.4
7.	Depletion by Industry (CF&I only)	21.0

Irrigation Diversions:

8.	W.D. #11	132.1
9.	W.D. #12	319.2
10.	W.D. #13	37.0
11.	W.D. #15	39.9
12.	W.D. #16	24.5
13.	W.D. #18	33.4
14.	W.D. #19	1,182.2
15.	W.D. #14, #17 and #67	1,768.3
16.	Total Diversion by Irrigation	

W.Y. 1970

Water Budget, Arkansas River in Colorado (Exclusive of Fountain Creek)

(Units = 1,000 A.F.)

Summary

1.	Total Basin Yield (line 18, page 1)	1,160.3
2.	Depletion by Municipal use (line 3, page 1)	8.8
3.	Depletion by Industrial use (line 7, page 1)	21.0
4.	Estimated irrigation depletion in W.D.'s 11, 12, 13, 15, 16, 18 and 19 (lines 2, 7, 10, 13 and 16, page 1)	206.6
5.	Recorded State line flow	139.8
6.	Irrigation depletion W.D. 14, 17, and 67, and nonbeneficial use (line 1 minus lines 2, 3, 4 and 5)	784.1

(a) Data not available for Fountain Creek Drainage Basin.
(b) Recorded runoff data from USGS W.Y. October-September.
(c) Diversion data from Water Commissioners F.B. W.Y. November-October.
(d) Irrigation C.U. use in area above gaging stations estimated by judgement.
(e) Irrigation C.U. in W.D. #14, #17 and #67 computed (line 6, page 3).
(f) No data available on depletion due to ground water pumping or water table recharge.
(g) Total irrigated area considered - 443,500 acres.
(h) Total depletion by irrigation - 990,700 A.F.
(i) Irrigation depletion A.F./Ac. - 2.23'
(j) Reservoir Change-in-Storage not reflected in computation.

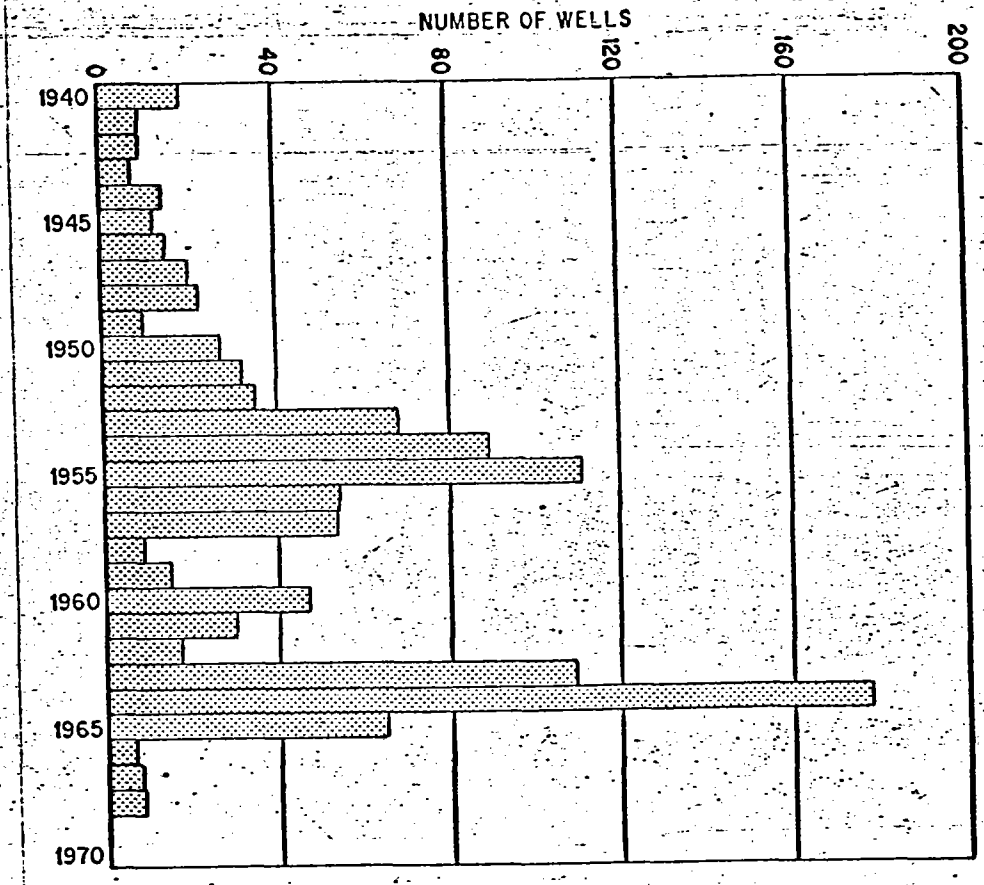
UNDERGROUND WATER
IRRIGATION DIVISION #2

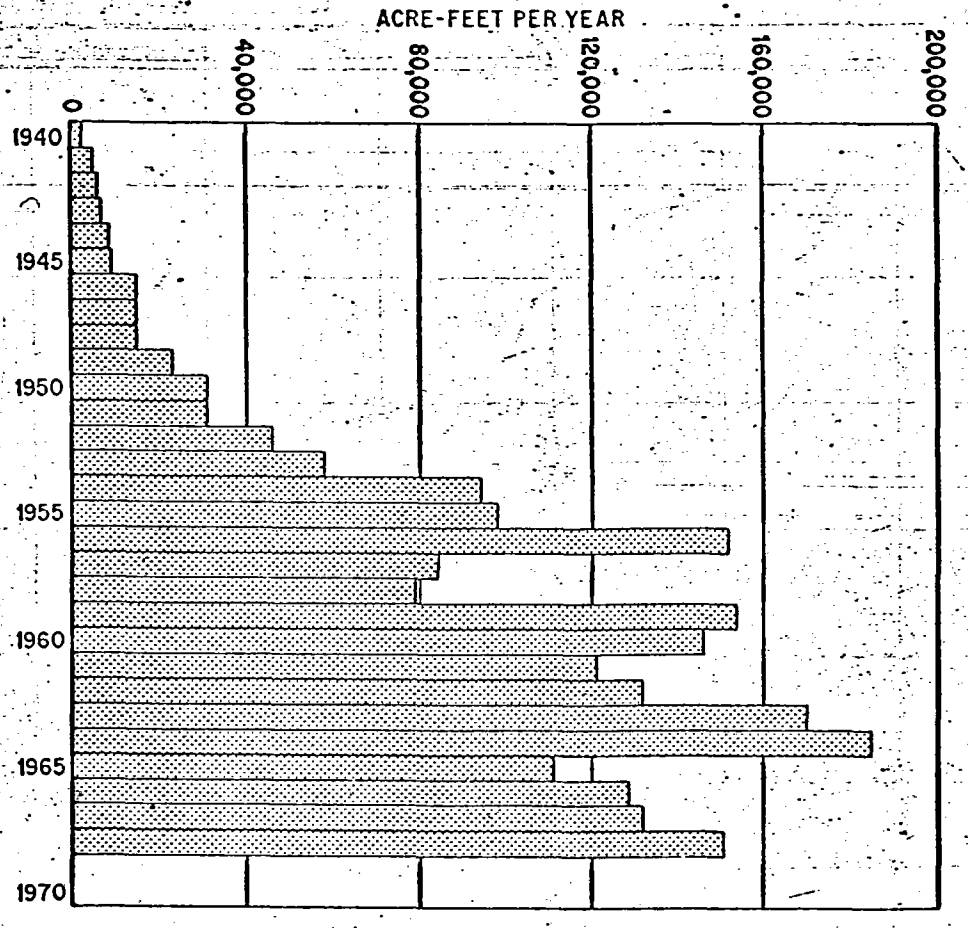
Irrigation Division #2 composed of Water Districts 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 66 and 67 has, of this date, 13,166 wells of all types in operation. Types of use are domestic, stock, domestic and stock, commercial, industrial, irrigation, irrigation and stock, and, lastly, municipal. Tabulation, showing the number of each type of well in each district is illustrated by a 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 14 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 (gallons per minutes) 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. Not known to yield water to wells.
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.

UNIT	THICKNESS	PHYSICAL CHARACTER	HYDROLOGIC CHARACTER
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. Not 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 supply wells. Restricts vertical movement of water to and from the valley-fill deposits. Wells yield as much as 100 gpm and average 20 gpm.


NUMBER OF WELLS
0
40
80
120
160
200
1940
1945
1950
1955
1960
1965
1970


ACRE-FEET PER YEAR
0
40,000
80,000
120,000
160,000
200,000
1940
1945
1950
1955
1960
1965
1970

SUMMARY OF WELLS
IRRIGATION DIVISION #2

WATER DISTRICT NO.	TYPE OF USE								
	1	2	3	4	5	6	7	8	TOTAL
10	2000	79	54	51	11	197	7	83	2482
11	609	8	0	44	6	25	5	14	711
12	289	47	18	10	13	40	2	7	426
13	57	26	6	-	-	30	10	-	129
14	1070	290	82	46	35	804	61	37	2425
15	345	38	17	3	1	105	13	13	535
16	102	128	12	4	21	61	3	-	331
17	378	483	87	32	24	953	38	55	2050
18	13	37	2	-	-	10	12	7	81
19	40	144	12	-	12	16	7	3	234
66	64	207	24	7	11	451	7	12	783
67	108	1089	387	29	9	1257	8	92	2979
	5,075	2,576	701	226	143	3,949	173	323	13,166

TYPE OF USE

(1) DOMESTIC
(2) STOCK
(3) DOMESTIC & STOCK
(4) COMMERCIAL
(5) INDUSTRIAL
(6) IRRIGATION
(7) IRRIGATION & STOCK
(8) MUNICIPAL

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

TRANSMOUNTAIN DIVERSIONS
DIVISION NO. 2
Tabulation 1971

Name	Source	Recipient	Amount Diverted 10-1-1970 to 9-30-1971
Homestake Tunnel	Middle Fork Homestake Creek Division #5	Cities of Colorado Springs and Aurora	43,155 AF
Wurtz Ditch	Eagle River Division #5	City of Pueblo	3,630 AF
Ewing Ditch	Piney Creek Division #5	City of Pueblo	1,480 AF
Columbine Ditch	Eagle River Division #5	City of Pueblo	944 AF
Twin Lakes Tunnel	Roaring Fork River Division #5	Twin Lakes Reservoir and Canal Company	52,090 AF
Busk Ivanhoe Tunnel	Ivanhoe Creek Division #5	Highline Canal Co.	7,500 AF
Larkspur Ditch	Tomici Creek Division #4	Catlin Canal Co.	528 AF
		Total	109,327 AF

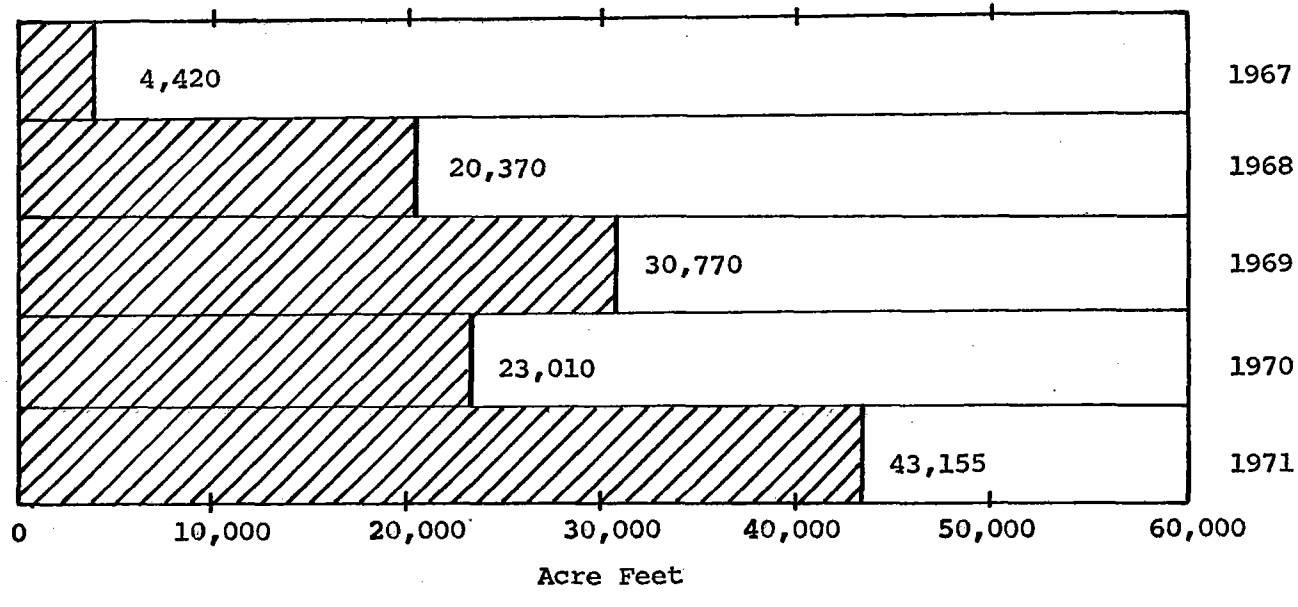
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

HOMESTAKE TUNNEL 1971

SOURCE: Middle Fork Homestake Creek Division #5

RECIPIENT: Cities of Colorado Springs and Aurora

TOTAL AMOUNT DIVERTED IN 1971; 10-1-1970 to 9-30-1971: 43,155 AF



5 YEAR COMPARISON

Lile

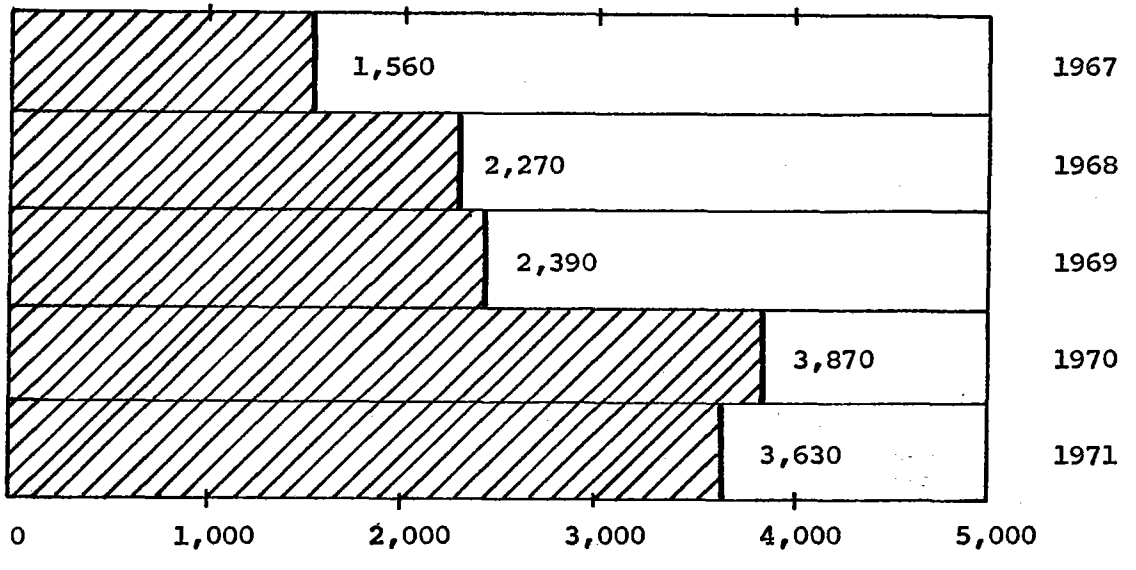
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

WURTZ DITCH 1971

SOURCE: Eagle River Division #5

RECIPIENT: City of Pueblo

TOTAL AMOUNT DIVERTED IN 1971: 10-1-1970 to 9-30-1971: 3,630 AF



5 YEAR COMPARISON

Lile

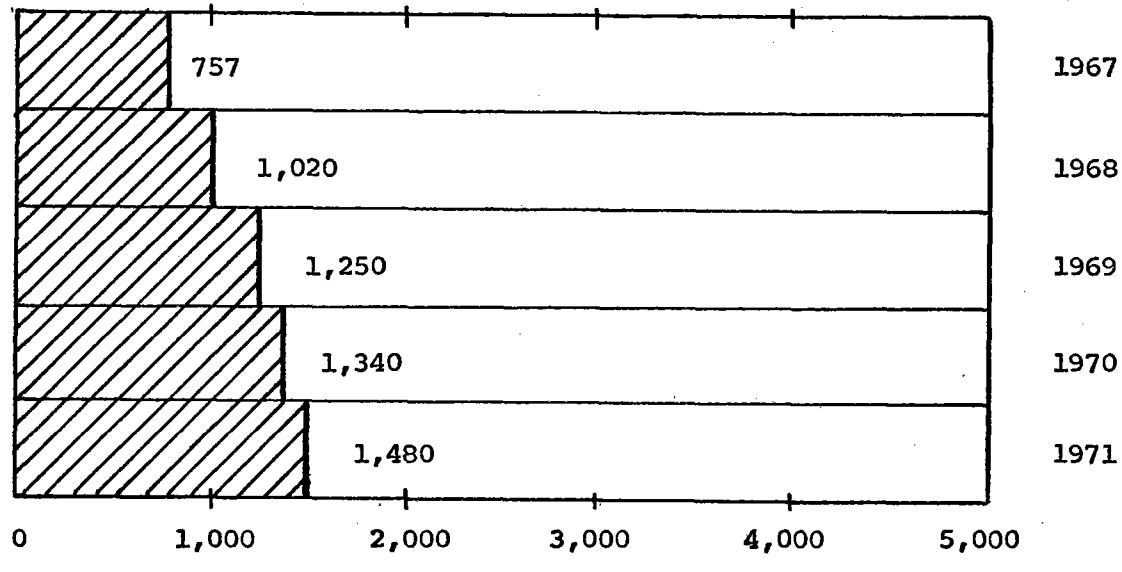
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

EWING DITCH 1971

SOURCE: Piney Creek Division #5

RECIPIENT: City of Pueblo

TOTAL AMOUNT DIVERTED IN 1971: 10-1-1970 to 9-30-1971: 1,480 AF



5 YEAR COMPARISON

Lile

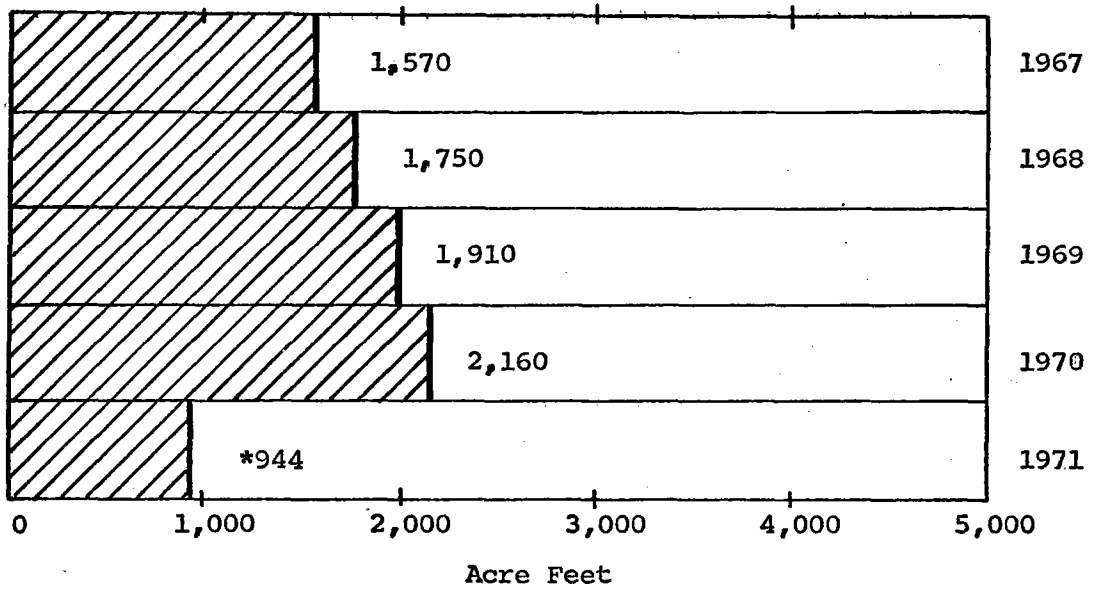
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

COLUMBINE DITCH 1971

SOURCE: Eagle River, Division #5

RECIPIENT: City of Pueblo

TOTAL AMOUNT DIVERTED in 1971: 10-1-1970 to 9-30-1971: 944 AF



* Ditch out for Repairs.

5 YEAR COMPARISON

Lile

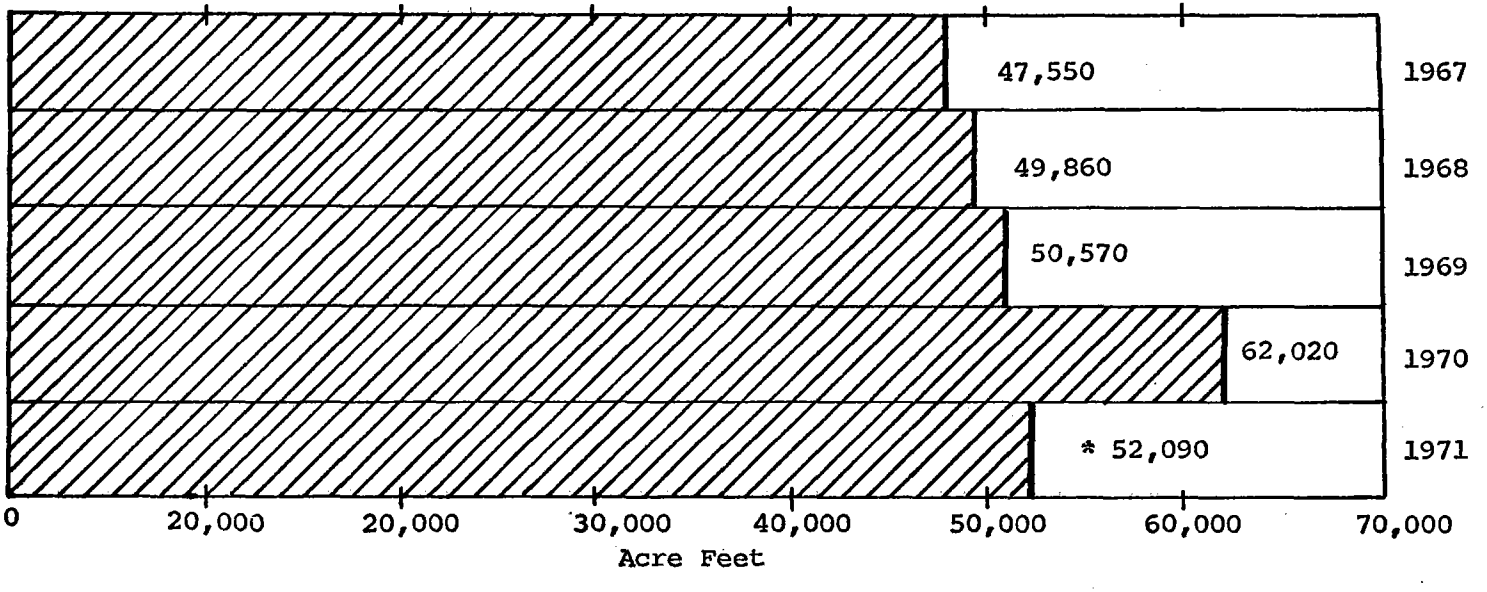
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

SOURCE: Roaring Fork River Division #5

RECIPIENT: Twin Lakes Reservoir and Canal Company

TOTAL AMOUNT DIVERTED IN 1971: 10-1-1970 to 9-30-1971: 52,090 AF

TWIN LAKES TUNNEL 1971



5 YEAR COMPARISON

* Tunnel under repair during winter.

Lile

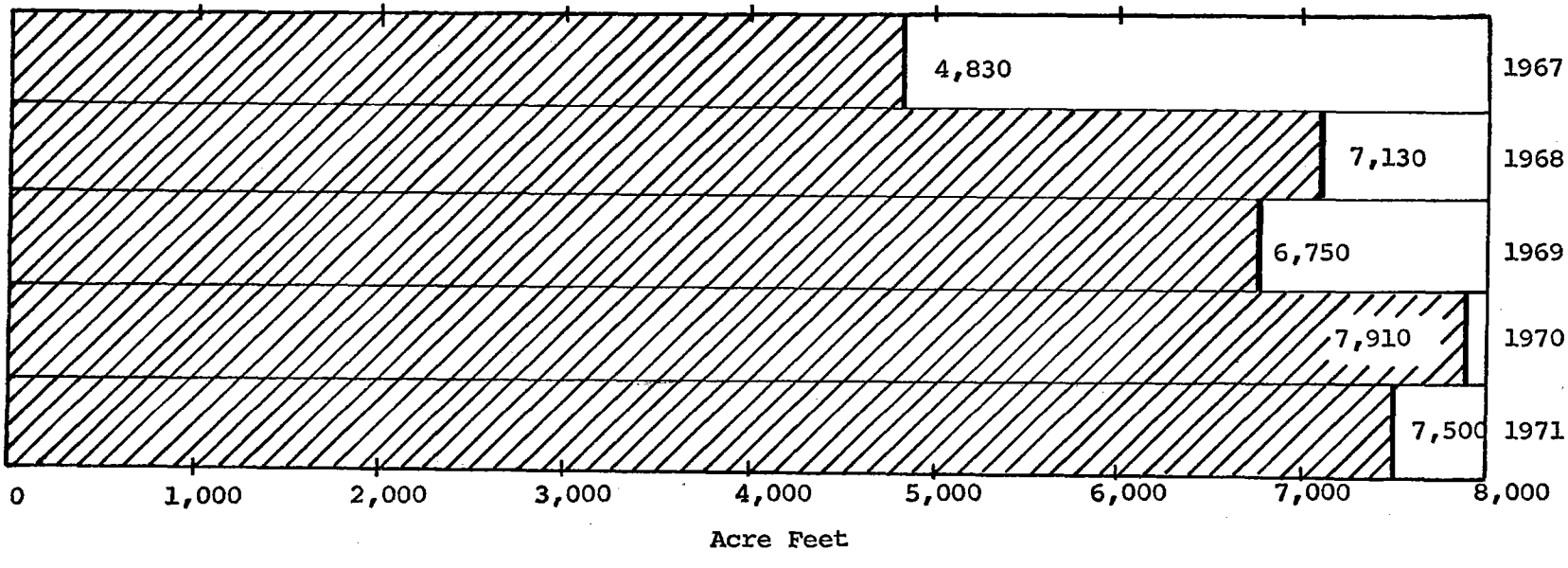
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

SOURCE: Ivanhoe Creek Division #5

RECIPIENT: Highline Canal Co.

TOTAL AMOUNT DIVERTED IN 1971: 10-1-1970 to 9-30-1971: 7,500 AF

BUSK IVANHOE 1971



5 YEAR COMPARISON

Lile

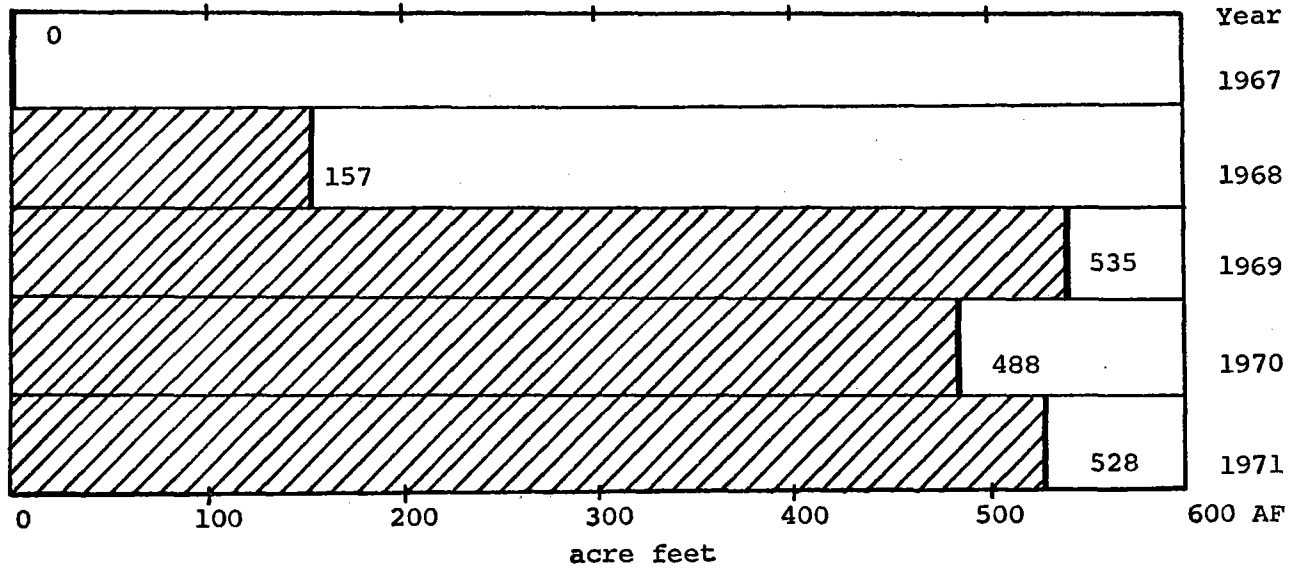
TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

LARKSPUR DITCH 1971

SOURCE: TOMICI CREEK DIVISION #4

RECIPIENT: CATLIN CANAL COMPANY

TOTAL AMOUNT DIVERTED 10-1-1970 to 9-30-1971: 528 AF

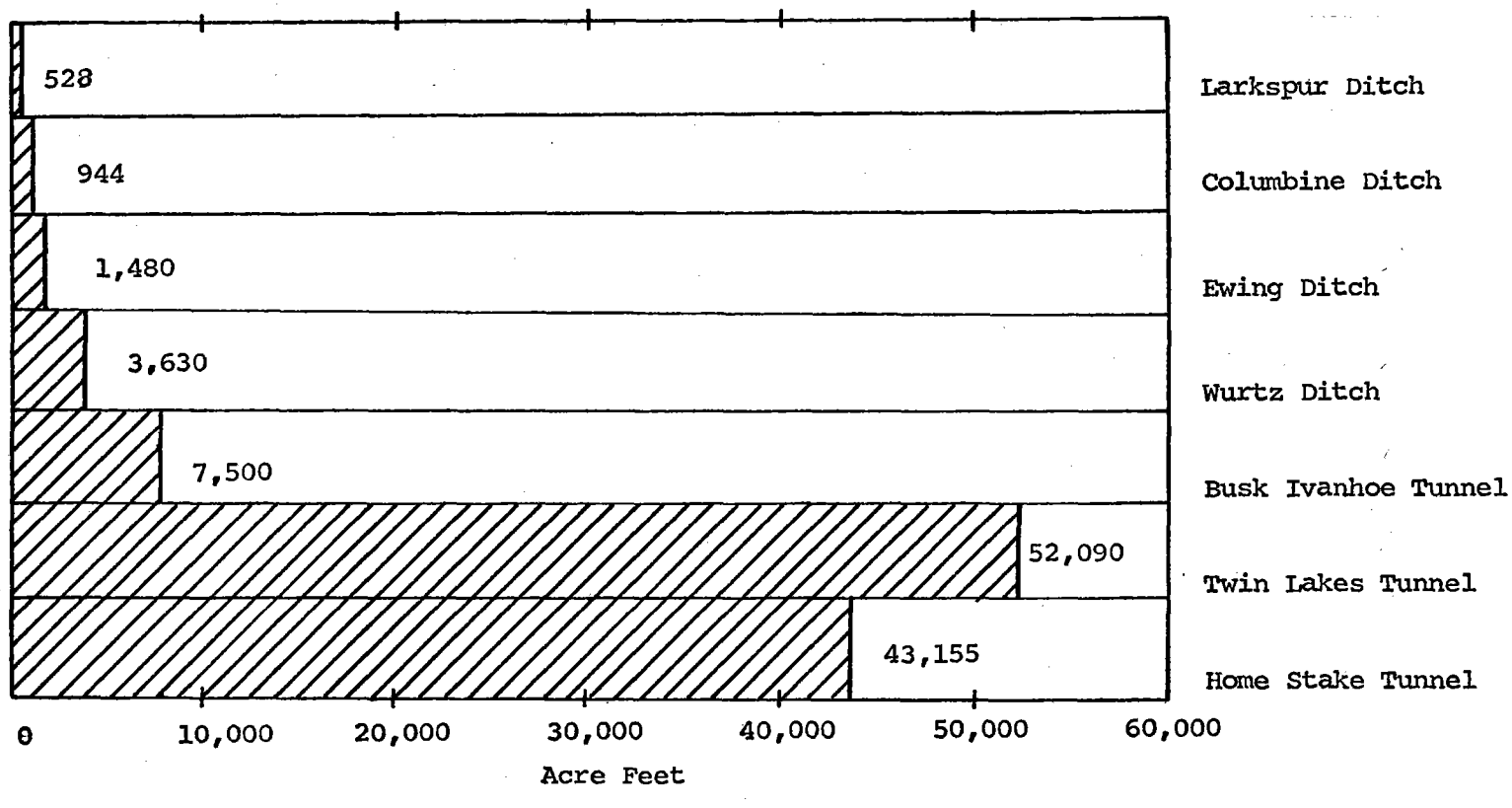


FIVE YEAR COMPARISON

Lile

TRANSMOUNTAIN DIVERSION
DIVISION NO. 2

SUMMARY OF DIVERSION FOR
WATER YEAR 1971



Total Amount imported: 109,327 AF

RESERVOIR STORAGE
IRRIGATION DIVISION #2

NAME OF RESERVOIR	SOURCE	AMOUNT OF ACRE FEET - NOVEMBER 1, 1971	AMOUNT OF ACRE FEET - APRIL 1, 1971	AMOUNT OF ACRE FEET - OCTOBER 31, 1971
Ambler Reservoir No. 2	Unnamed springs	0	0	0
Austin Bluff	West Monument Creek	242	250	250
Crystal Creek Reservoir	Crystal Creek	1.711	1930	2146
Lake Moraine Storage	Ruxton Creek	506	616	636
Manitou Reservoir	No. Br. French Creek	119	176	176
Mesa Reservoir	So. Fork Cheyenne	215	225	231
North Catamount	No. Fork Catamount	11,463	8192	9690
North Field No. 5		24,686	21,597	1,6033
South Catamount	So. Catamount	2,511	1,030	1,748
Upper South Ruxton	So. Ruxton Creek	514	378	556
Callahan Reservoir	Fountain	491	550	620
Fountain Valley No. 2	Fountain	1,887	4997	4402
Fountain Valley No. 3	Fountain	0	0	0
Spring Run 2	Spring Run	1,650	227	275
Monutmen State	Monument Creek	243	250	250
Sugar Loaf Reservoir	Lake Fork Creek	43,804	42,846	37,669
O'Haver	Grays Creek	No Diversion		197
Twin Lakes Reservoir	Lake Creek	41,740	35,211	29,173
Clear Creek Reservoir	Clear Creek	1,126	10,150	8,720
Colorado Springs No. 2	Beaver Creek	541	541	541
Colorado Springs No. 4	Beaver Creek	1,820	1,965	1,965
Colorado Springs No. 5	Beaver Creek	1,900	1,934	1,934
Colorado Springs No. 7	Beaver Creek	164	191	191
Colorado Springs No. 8	Beaver Creek	533	669	669
Lake Moraine	Beaver Creek	667	667	667
Rosemont Renrose	Beaver Creek	2,307	2,456	2,508
Brush Hollow	Beaver Creek	861	4,127	3,780
Skaguary	Beaver Creek	1,593	1,593	1,593
Mt. Pisgah	Four Mile Creek	869	2,338	2,338
DeWeese Dye	Grape Creek	2,621	4,456	3,384
Curiton	Springs	6.80	6.80	6.80
H.O.P.	Springs	40.0	40.0	40.0
Greenview	Fountain	0	19.70	0

NAME OF RESERVOIR	SOURCE	AMOUNT OF ACRE FEET NOVEMBER 1, 1971	AMOUNT OF ACRE FEET APRIL 1, 1971	AMOUNT OF ACRE FE OCTOBER 31, 1971
Lake Minnequa	St. Charles	1,008	1,071	995
Reservoir No. 2	St. Charles	2,513	2,330	2,419
Reservoir No. 3	St. Charles	7,497	7,590	6,987
Hayden (Beckwith)	Greenhorn	543	846	771
Arnold Flood Water	Santa Clara	30.00	30.00	50.00
Bressan No. 1	Unnamed Arroya	8.00	8.00	8.00
Bressan No. 2	Unnamed Arroya	6.00	6.00	6.00
Brunelli No. 1 & 2	Bear Creek	30.00	60.00	50.00
Butte	Cucharas	22.00	22.00	22.00
Chicosa No. 4 & 5	Huerfano	-	150.00	0
Coler (Martin Lake)	Cucharas	1,734	2,292	2,205
Cucharas Valley	Cucharas	796	1,960	485
Holita	Cucharas	111	305	150
Huerfano Valley	Huerfano	1,529	556	1,529
La Joy	Cucharas	50	175	175
Maria-Stevens	Cucharas	1,500	1,500	1,500
Mosco	Poison Canon	300	300	300
Sharps Orchard	Cucharas	75	75	75
Sierra Blanca	Decker Creek	150	150	150
Sunnyside	Santa Clara	70	70	70
Valdez	Santa Clara	1,500	1,800	1,500
Vories	Cucharas	12	12	12
Wilson	Sheep Creek	35	35	35
Zan	Apache Creek	0	200	200
Meredith	Arkansas River		25,400	8,521
Adobe Creek	Arkansas River	14,590	40,884	24,138
Dye	Arkansas River	0	1,595	2,196
Henry	Arkansas River	0	7,326	2,895
Holbrook	Arkansas River	0	6,160	1,124
Horse Creek	Arkansas River	0	9,331	3,206
Model	Purgatoire	95	1,300	1,154
North	Trinchera	3,709	3,709	3,798
Monument	Middle Fork Purgatoire	1,674	1,675	1,674
Russel	Chanley Arroya	60	70	60
Hermosa	San Francisco Creek	0	0	0
Great Plains	Arkansas River	22,736	106,682	92,667
Nee Skah	Arkansas River	9,170	19,172	9,801
Thurston	Arkansas River	2,592	2,872	2,592
John Martin	Arkansas River	0	29,526	2,691
Two Buttes	Two Butte Creek	11,322	12,180	13,962
Total		317,488	424,582	238,304

AGRICULTURE

IRRIGATION DIVISION #2

COUNTY	LAND AREA (1000 A)	NO. OF FARMS	LAND IN FARMS (1000 A) TOTAL	CROP LAND	LAND IRRIGATED FARMS	ACRES	WHEAT WINTER	SPRING	OATS	BARLEY
Baca	1,642	750	1,430	847	171	56,910	42,000	250	-	600
Bent	971	450	917	145	301	45,292	9,000	50	230	370
Chaffee	665	170	160	24	121	16,126	-	-	200	100
Crowley	514	400	490	105	287	25,010	1,150	80	90	80
Custer	472	180	280	28	85	15,930	160	50	650	210
El Paso	1,381	750	1,050	200	121	13,630	17,000	450	1,800	600
Fremont	1,000	550	493	30	421	14,920	550	30	80	270
Huerfano	1,010	280	800	48	138	11,453	3,300	10	220	250
Kiowa	1,147	350	1,080	600	15	5,127	38,000	300	-	-
Kit Carson	1,389	840	1,340	776	213	56,576	165,000	300	900	1,400
Lake	243	17	28	6	10	6,036	-	-	-	-
Las Animas	3,068	600	2,781	130	227	19,463	3,940	70	290	140
Otero	811	690	630	87	539	57,675	3,400	100	460	720
Prowers	1,041	729	1,030	530	430	93,044	30,500	-	130	710
Pueblo	1,537	800	1,362	151	469	35,749	11,000	160	350	1,250
Teller	355	70	155	8	10	865	-	-	-	-

CORN		SORGHUMS		UGAR	DRY		BROOM	HAY		
GRAIN	SILAGE	GRAIN	SILAGE	EETS	BEANS	POTATOES	CORN	ALFALFA	WILD HAY	ALL HA
10,500	200	90,000	49,500	,640	100	100	35,700	2,100	100	7,90
1,100	1,000	17,500	7,300	460	-	40	-	23,500	250	25,150
-	-	-	-	-	-	-	-	5,800	480	9,280
1,700	2,900	9,600	740	550	750	20	-	12,500	650	13,750
-	50	-	130	-	-	-	-	2,300	-	28,300
3,300	4,000	3,400	2,100	-	2,900	-	-	12,500	3,500	22,900
280	280	100	170	-	-	-	-	5,000	850	8,350
50	110	-	280	-	-	10	-	5,100	800	7,400
190	110	38,000	15,600	50	-	-	-	800	500	10,000
27,300	9,100	15,000	22,300	2,200	1,900	-	-	5,200	1,300	20,500
-	-	-	-	-	-	-	-	-	1,300	1,900
270	660	1,000	4,720	-	-	-	200	12,000	950	13,850
4,600	5,700	3,800	1,660	1,530	1,100	660	-	14,500	50	15,150
1,100	1,500	95,600	41,010	2,430	50	20	100	35,500	-	37,200
4,900	1,800	7,400	4,790	,390	12,600	100	-	13,500	350	17,950
-	-	-	-	-	-	-	-	50	550	2,00

ARKANSAS RIVER COMPACT
Irrigation Division #2

A. The general principle of this Compact is the division of the benefits of the reservoir storage on the basis of the maximum rates of flow, 750 C.F.S. or 60% to Colorado and 500 C.F.S. or 40% to Kansas, out of available storage water in the reservoir. Colorado having an advantage of using all accretions and return flow at the State line to make up Kansas' 40% share at the State line (i.e., assuming Kansas called for 500 C.F.S. release of stored water and there was 250 C.F.S. of other water crossing the State line, then only a sufficient flow necessary to develop a flow of 500 C.F.S. need be released from storage. Consequently, if each State continued to call for maximum releases at the same time, Colorado would always have the advantage of such return flow and accretions at the State line, which would actually result in Colorado's share being larger than 60% and Kansas less than 40%.

B. Reservoir operation is divided into two general periods:
   (1) Winter storage from November 1 to March 31, period during which all water flowing into the reservoir shall be stored up to the conservation capacity limit. Exception is that Colorado may call up to 100 C.F.S. limited to the river flow entering the reservoir for stock pond and other winter uses.

   (2) Summer storage from April 1 to October 31, when all water entering the reservoir up to conservation capacity limit shall be stored, provided that if river volume flow is sufficent, Colorado can call the first 500 C.F.S. but Kansas is limited to what river flow may be available in excess of Colorado's maximum, but in no event more than 250 C.F.S. Again, Colorado has the advantage of using return flow and accretions at the State line to make up Kansas share of such river flow.

C. Releases of stored water are limited to the summer storage period of April 1 to October 31 and the following criteria is to be observed:
   (1) Releases may be made simultaneously upon the demands of either/or both States.

   (2) Water released upon concurrent/separate demands shall be applied promptly to beneficial use unless downstream storage is authorized.

   (3) There shall be no allowance or accumulation of credits or debits for or against either State.

   (4) Releases, excepting periods when all Colorado water users are operating under decreed priorities, shall not impose any call on Colorado water users that divert from the river above the Reservoir.

D. When storage water is available in the reservoir, Colorado shall not administer diversions on a decreed priority basis, but user above the reservoir may divert without regard to the decreed priorities in Colorado below the reservoir and at the same time users in Colorado below the reservoir may divert in accordance with any distribution agreement in effect at that time.

E. Whenever the reservoir becomes empty, the river administration will revert back to the decreed priority basis as though the reservoir had never been constructed. Kansas shall not be entitled to any portion of the river flow entering the reservoir.

F. If usable quantity and availability for use of the Arkansas River waters in Colorado Water District No. 67 and Kansas will be materially depleted or adversely affected then;

(1) Present decreed priority rights in Water District No. 67 shall not be transferred to other water districts or to any points of diversion above the reservoir.

(2) Present ditch diversions in Water District No. 67 and Kansas shall not be increased beyond the total present rights without administration findings of fact that no depletion or adverse effect will result from such proposed transfer or increase.

G. There are no particular problems in the operation of the Compact, however, it should be mentioned that the presence of the reservoir on the main Arkansas River provides for poor management on the river during periods that the reservoir is dry. Due to the necessity of passing large volumes of water from Water District No. 17 thru a large, sandy, dry reservoir bed to deliver a small amount of water into Water District No. 67 causes an enormous waste. There should, in some manner, be established in John Martin Reservoir some type of a permanent pool and, also, a debit-credit system for Water District No. 67 water users.

DAMS
IRRIGATION DIVISION #2

WATER DISTRICT	NAME OF RESERVOIR	STREAM	DAM HEIGHT	INSPECTION
10	Fountain Valley #2	Fountain	Over 35'	None
	Fountain Valley #3	Fountain	Over 35'	None
	Monument	Monument Crk.	Over 35'	None
	Manitou	French Crk.	Over 35'	None
	Mesa #1	North Cheyenne	Over 35'	None
	Mesa #2	North Cheyenne	Over 35'	None
11	Sugar Loaf	Lake Fork	Over 35'	None
	Twin Lakes	Lake Crk.	Over 35'	None
	Clear Creek	Clear Crk.	Over 35'	Yes
12	Mt. Pisgah	Four Mile	Over 35'	None
	Skaguay	Beaver Crk.	Over 35'	None
	Brush Hollow	Brush Hollow	Over 35'	None
13	DeWeese Dye	Grape Crk.	Over 35'	None
14	*See Water District No. 17			
15	Hayden	Greenhorn	Over 35'	None
	Beckwith	Greenhorn	Over 35'	None
16	Cucharas	Cucharas	Over 35'	None
	Coler	Cucharas	10' - 20'	None
	Holita	Cucharas	10' - 20'	None
	Horseshoe	Cucharas	20' - 35'	None
	Orlando	Huerfano	10' - 20'	None
	Huerfano Valley	Huerfano	10' - 20'	None
	Dotson	Huerfano	10' - 20'	None
17	Henry	Arkansas	10' - 20'	Yes
	Meridith	Arkansas	Over 35'	None
	Horse Creek	Arkansas	Over 35'	None
	Adobe	Arkansas	20' - 35'	None
	Dye	Arkansas	20' - 35'	None
	Holbrook	Arkansas	20' - 35'	None
18	*There are none.			
19	Model	Las Animas	20' - 35'	None
	North	North Fork	20' - 35'	None
67	John Martin	Arkansas	Over 35'	None
	Nee No She	Arkansas	Over 35'	None
	Nee Skah	Arkansas	Over 35'	None
	Thurston	Arkansas	10' - 20'	None
	Two Buttes	Two Buttes Crk.	Over 35'	None

DAMS

1. There were no dam failures in Irrigation Division II during the past year.

2. There is only one "stop order" presently in effect in Irrigation Division II;

    1. Orlando Reservoir
       Water District 16

3. There are presently four "requests for plans and specifications" in Irrigation Division II;

    1. Harvey Brothers Reservoir and Tallahassee Reservoir
       Water District 12

    2. Cache Creek Reservoir
       Water District 11

    3. Lee Lake
       Water District 10

    4. Spanish Peaks Ranch
       Water District 18

LIVESTOCK WATER TANKS

APPLICATIONS FILED AND APPROVED:

WATER DISTRICT 10	4
WATER DISTRICT 11	1
WATER DISTRICT 12	16
WATER DISTRICT 13	2
WATER DISTRICT 14	1
WATER DISTRICT 15	3
WATER DISTRICT 16	8
WATER DISTRICT 17	2
WATER DISTRICT 18	11
WATER DISTRICT 19	51
WATER DISTRICT 66	2
WATER DISTRICT 67	1
TOTAL	102

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

Problems encountered in issuing stock tank permits are;

1. A. S. C. offices, and particularly the Las Animas County office, tend, in many instances, to allow construction of stock tanks prior to receiving final approval from the State Engineers Office.

2. In many instances, stock ponds are being constructed under the "Stock Pond Act" and are really being utilized as fish ponds and in some cases are actually being adjudicated.

3. The "Stock Pond Act", in my opinion has served its purpose and should be eliminated.

WATER RIGHTS TABULATION

Tabulation of water rights in Irrigation Division II are progressing very satisfactorily; all Water Districts (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 66 and 67) have been tabulated manually and all transfers, etc. have been entered into the tabulation. Southern Colorado State College is now in the process of key punching and verifying a new set of cards. They estimate they will be completed by the 15th of December 1971 and estimating a month for further checking, the Division II tabulation should be ready for publication during the month of February 1972.

There are several items within the tabulation which will arise as problems requiring attention and in some cases, a Court decision. The items are:

(1) With regard to the necessity of having an original card for each decree in which there is involved a transfer; the system will fail if there is a second transfer from a first transfer as there will be no iriginal card for the first transfer.

(2) In many instances, and in some water districts, water has been delivered, not only out of priority, but out of adjudication. These decrees have been tabulated strictly according to adjudication and within the adjudication, according to appropriation date. They have not been tabulated as to the method of present administration. I am of the opinion that we should select an ideal situation with a view towards a possible Court test.

(3) With respect to the first adjudication for purposes other than irrigation, I am of the opinion that any such adjudication that did not occur specifically in 1903 then the position of that adjudication in the overall tabulation is determined strictly by its adjudcation date with respect to all other adjudications.

REFEREE'S FINDINGS AND DECREES

1. The Division II Water Court is located at 308 Judicial Building, Pueblo, Colorado, and is staffed by Water Clerk Priscilla Lucero, Referees Wallace Doe and Robert Harrison and Judge William Gobin.

2. Applications for the period 1 November 1970 (Table 1) and the period 1 November 1970 to 22 November 1971 (Table 2) are tabulated below;

Type of Application	Table 1	Table 2	Total
1. Underground Water Rights	20	275	295
2. Change of Water Right	8	40	48
3. Plan of Augumentation	0	1	1
4. Water Right	26	40	66
5. Diligence (Cond. Decrees)	15	0	15
6. Water Storage Rights	14	36	50
7. Complaints	0	2	2
TOTAL	83	394	477

As of 22 November 1971, we have received 451 applications of all types. The total of 451 applications varies from the 477 shown above due to the fact that some applications are asking for more than one type of of decree, i.e., application for an underground water right and a storage right.

Applications for Underground Water Rights far exceed the other types of applications as indicated above; however, this is primarily due to well owners adjudicating domestic wells. There are very few large, irrigation wells being adjudicated. Plans for Augmentation presented to-date is one (1) and it has been presented by the Gates Development Company for a housing development south and adjacent to the City of Colorado Springs. Applications for Water Rights (Surface) are those primarily from applicants wishing to adjudicate springs. Applications for Water Storage Rights are primarily applicants desiring to store domestic well decrees and spring decrees for the purpose of creating "fish ponds." Complaints have been filed by the Division Engineers Office in two instances; one for illegal diversion and one for illegal diversion and storage.

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3. COMMENTS ON WATER COURT OPERATIONS

The Water Referee's seem to be operating under the illusion that they have to approve all applications irregardless of requests contained within the application.

Consultation between the Water Referee and the Division Engineer is a joke, Referee's rulings are completed before any consultations are held and furthermore; objections by the Division Engineer are not fully considered in the Referee's rulings. The system, as presently being carried out, is a waste of time and money both on the part of the Division Engineer and the Water Court.

Money expended by the Division Engineers Office and/or the State Engineers Office in implementing Senate Bill 81 with regard to the operations of the Water Court should be charged to the Judicial Branch and not taken from the budget of either the Division Engineers Office and/or the State Engineers Office.

The position of Water Referee is classified as a Grade 39 while the job of the Division Engineer is a Grade 36; it is incomprehensible that such a spread between these grades exists since the Division Engineer performs exactly the same duties as the Water Referee with the exception of writing the rulings which in any event are performed by the Water Clerk. In addition, the Division Engineer is charged with his regular duties of administration of an entire Division. This matter should be brought to the attention of both the Civil Service Commission and the Legislature.

On two occasions, the Division Engineers Office has found it necessary to file charges aganist two seperate water users for illegal diversions and illegal storage and dam construction; and in attempting to bring the matter into Court in accordance with the provisions of Senate Bill 81 we have become thoroughly disenchanted with the required procedure. Senate Bill 81 should be amended in such a manner that would permit the Division Engineers Office to resolve such an occurrence within several days and not the 4-5 months as we have witnessed.

There should be designed a new index card for use in indexing all the pertinent data of each decree, both past, present and future, and the indexing should be at a rate equal to the decrees now being issued by the Water Court. To date, with 477 filed water cases, we have not indexed a single decree.

SOUTHEASTERN COLORADO
WATER CONSERVANCY DISTRICT
905 Highway 50 West
P.O. Box 440
Pueblo, Colorado 81002

OFFICERS

J. Sid Nichols, President, P.O. Box 1103, Colorado Springs, Colorado 80901

Roy D. Cooper, Vice President, Rt. 2, Box 181, Las Animas, Colorado 81054

Thomas W. McCurdy, Secretary, Rt. 1, Box 165, Olney Springs, Colorado 81062

James G. Shoun, Treasurer, P.O. Box 1040, Canon City, Colorado 81212

Charles L. Thomson, General Manager, P.O. Box 440, Pueblo Colorado 81002

Charles J. Beise, Attorney for the District, 1536 First National Bank Building, Denver, Colorado 80201

DIRECTORS

Harold H. Christy, 511 Polk Street, Pueblo, Colorado 81005

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George E. Everett, Jr., Box 344, Salida, Colorado 81201

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Frank Milenski, RR 1, La Junta, Colorado 81050

Joe W. Purvis, Rt. 1, Box 3H, Las Animas, Colorado 81054

Herbert Schroeder, Ordway, Colorado 81063

James E. Wagner, No. 1 Cedar Hills, Lamar, Colorado 81052

J. Selby Young, 2915 Marilyn Road, Colorado Springs, Colorado 80909

PURGATOIRE RIVER WATER
CONSERVANCY DISTRICT
901 Park
Trinidad, Colorado 81082

OFFICERS

Dr. James E. Donnelly, President, 901 Park, Trinidad, Colorado 81082

Max Torres, Secretary-Treasurer, Trinidad, Colorado 81082

Glen C. Saunders, Attorney for the District, 225 East 16th, Denver, Colorado 80203

Jack Ross, Attorney for the District, 225 East 16th, Denver, Colorado 80203

DIRECTORS

Charles Cappellucci, Trinidad, Colorado 81082

Clyde Dawn, Trinidad, Colorado 81082

John Monteleone, Jansen, Colorado 81048

John Myers, Hoehney, Colorado 81046

Arthur G. Winter, Trinidad, Colorado 81082

WATER RELATED ORGANIZATIONS

IRRIGATION DIVISION NO. 2
Pueblo, Colorado

A.J. Anderson Irrigation Company, Charles Haberman, Rt. 1, La Junta, Colorado 81050
Avondale Water & Sanitation District, Mrs. Gloria Vialpando, President, P.O. Box 77, Avondale, Colorado 81022
Beaver Park Water Company, Nick Goodell, 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, A.N. Dallimore, 711 Thatcher Building, Pueblo, Colorado 81003
Booth-Orchard Grove Ditch Company, Elbert L. Hawkind, Superintendent, 202 Neilson, Pueblo, Colorado 81004
Canon City Oil Creek Ditch Company, L. Peterson, President, Canon City, Colorado 81212
Canon Heights Irrigation Company, E.B. Woodford, Secretary, 609 River, Canon City, Colorado 81212
Canon City Hydraulic Irrigating 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, Rt. 1, Box 26, Boone, Colorado 81025
Crowley County Water Association, Harley Ruscher, President, P.O. Box 487, Ordway, Colorado 81063
DeWeese Dye Ditch Company, William McDermott, 1675 Chesnut, Canon City, Colorado 81212
East End Water Company, Harry Froese, Secretary, Rt. 2, La Junta, Colorado 81050
Eureka Water Company, Ralph Read, P.O. Box 5, Rocky Ford, Colorado 81067
Excelsior Ditch Company, G.C. Van Galder, Superintendent, Rt. 2, Box 231, Pueblo, Colorado 81004
Fayette Water Association, John Schweizer, Jr., Secretary, Rt. 1, Box 311, Rocky Ford, Colorado 81067
Fort Lyons Canal Company, Perry Hill, Rt. 2, Las Animas, Colorado 81054
Fremont County Ditch Company, Lola McBeth, 106 S. Pikes Peak Avenue, Florence, Colorado 81226
Hasty Water Company, Earl Eckerett, Hasty, Colorado 81044
Highland Water & Supply Company, Frank Vance, President, Blende, Pueblo, 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, Rt. 2, La Junta, Colorado 81050
Las Animas Consolidated Ditch Company, Delbert Wallace, Rt. 1, Box 19, Las Animas, Colorado 81054
Lombard Village Water Association, Levi Martinez, Attorney at Law, Thatcher Building, Pueblo, Colorado 81003
May Valley & 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, Rt. 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, Rt. 1, Rocky Ford, Colorado 81067
Penrose Water District, Orlin Fields, Secretary-Treasurer, 1102 South S Street, Penrose, Colorado 81240
96 Pipeline Company, Warren B. Arbuthnot, President, Ordway, Colorado 81063
Pueblo Board of Water Works, Foster Burba, Executive Director, P.O. Box 400, Pueblo, Colorado 81002
Riverside Water Company, Edward T. Jung, Secretary, Rt. 1, Box 100, Rocky Ford, Colorado 81067
Rocky Ford Ditch Company, George A. Watson, Rt. 1, Manzanola, Colorado 81058
Salt Creek Water & Sanitary District, Endelecio Garcia, 1022 Palo Alto Street, Pueblo, Colorado 81004
Security Water District, Thomas K. Remple, 231 Security Blvd., 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 Catilima Drive, Stratmoor Hills, Colorado 80901
Sugar City Pipeline Company, Henry Herman, Jr., Secretary, Sugar City, Colorado 81076
Twin Lakes Reservoir & Canal Company, Thomas McCurdy, Rt. 1, Box 165, Olney Springs, Colorado 81062
Union Ditch Company, Erick A. Roberts, 106 E. Main, Florence, Colorado 81226
Valley Water Company, Albert Stover, Secretary, Manzanola, Colorado 81058
Vroman Water Company, Albert Stover, Secretary, Manzanola, Colorado 81058
West Grand Valley Water, Inc., Blaine Malott, Box 182, Rocky Ford, Colorado 81067
West Holbrook Pipeline Company, Roy Wadleigh, Secretary, Rt. 2, Box 302, La Junta, Colorado 81050
West Pueblo Ditch Company, Bob Prendengast, Superintendent, Hyde Park Dairy, P.O. Box 397, Pueblo, Colorado 81002
Widefield Homes Water & Sanitation, James C. Perry, Sr., 3 Widefield, Widefield, Colorado 80911

SUMMARY-WATER COMMISSIONERS ANNUAL REPORTS
IRRIGATION DIVISION II
1971

WATER DISTRICT NUMBER	TOTAL DIVERTED ACRE FEET	RESERVOIR STORAGE 1 NOVEMBER 1971	TOTAL ACRES IRRIGATED	NUMBER OF DITCHES	NUMBER OF RESERVOIRS	AVERAGE DEMAND AF/ACRE
10	60,450	46,342 AF	22,525	184	79	2.68
11	132,103	88,317 AF	20,334	309	6	6.50
12*	319,210	11,255 AF	18,415	335	14	17.30
13	37,000	2,621 AF	21,228	529	1	1.74
14	322,223	47 AF	109,931	244	25	2.93
15**	39,937	11,561 AF	5,541	133	7	7.20
16	REPORT NOT AVAILABLE					
17	500,207	14,590 AF	204,310	139	63	2.45
18	2,454	0 AF	2,262	54	1	1.08
19	33,412	5,538 AF	12,387	213	20	2.70
66	1,150	0 AF	312	15	0	3.68
67	229,974	11,322 AF	67,840	157	20	3.39
TOTAL	1,678,120	191,593 AF	485,085	2,312	236	3.46

* The amount diverted includes 167,319 AF for Power and Industrial Use. 151,891 AF could be considered as being applied to land which yields 8.20 AF/acre.

** The amount diverted includes 17,996 AF for Industrial Use. 21,941 AF could be considered as being applied to land which yields 3.96 AF/acre.