### Seventh

### **Annual Report**

### ARKANSAS RIVER COMPACT ADMINISTRATION

(1955)

For the Report-Year November 1, 1954, to October 31, 1955

### LAMAR, COLORADO

December 13, 1955

### THE ADMINISTRATION

HANS KRAMER, Representative of the United States and Chairman HARRY C. NEVIUS, Secretary and Treasurer

IVAN C. CRAWFORD, HENRY B. MENDENHALL and HARRY C. NEVIUS for Colorado

WILLIAM E. LEAVITT, R. V. SMRHA and ROLAND H. TATE for Kansas

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### Annual Report of

### ARKANSAS RIVER COMPACT ADMINISTRATION

(1955)

Report-Year November 1, 1954, to October 31, 1955

TO: THE PRESIDENT OF THE UNITED STATES AND THE GOVERNORS OF THE STATES OF COLORADO AND KANSAS.

Sirs:

Pursuant to Article VIII of the Arkansas River Compact, the Arkansas River Compact Administration submits its report for the report year November 1, 1954, through October 31, 1955 as follows:

### 1. Members of the Administration

Representative of the United States:

Hans Kramer (Brig. General U.S.A.—Ret.)

Colorado Representatives:

Ivan C. Crawford, Denver, Colorado

Harry B. Mendenhall, Rocky Ford, Colorado

Harry C. Nevius, Lamar, Colorado

Kansas Representatives:

William E. Leavitt, Garden City, Kansas

R. V. Smrha, Topeka, Kansas

Roland H. Tate, Garden City, Kansas

### 2. Officers of the Administration

Chairman—Hans Kramer (Brig. General U.S.A.—Ret.)

Vice-Chairman-Roland H. Tate of Garden City, Kansas

Secretary-Harry C. Nevius of Lamar, Colorado

Treasurer—Harry C. Nevius of Lamar, Colorado

### 3. Standing Committees

Administrative and Legal Committees:

Roland H. Tate of Kansas (Chairman) and

Harry C. Nevius of Colorado

Engineering Committee:

R. V. Smrha of Kansas (Chairman) and

Ivan C. Crawford of Colorado

Operations Committee:

Harry B. Mendenhall of Colorado (Chairman) and

William E. Leavitt of Kansas

Hans Kramer, Representative of the United States is ex-officio member of all standing committees.

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"	LILL		Ε.

December 14, 1954 Lamar, Colorado March 22, 1955 Lamar, Colorado April 9, 1955 May 19, 1955 July 12, 1955 Colo. Spgs., Colorado October 28, 1955 Garden City, Kans. Annual Meeting Regular Meeting Telephonic Meeting Telephonic Meeting Regular Meeting Special Meeting

### 5. Fiscal

- (a) Balance on hand October 31, 1954, Auditor's Report....\$1,514.62

2,400.00 \$3,914.62

(c) Disbursements by the Administration—Nov. 1, 1954 to Oct. 31, 1955:

Voucher			
No.	Date	Payee and Purpose	Amount
140	12-31-54	Robert W. Rollins, Audit and Service	65.00
141		Mtn. States T. & T., Nov. & Dec. Service and Tolls	24.10
142		Secretary Salary, Nov. & Dec. (less \$4.00 F.I.C.A.)	196.00
143		Treasurer of U. S., Deposits by States	8.00
144	3-10-55	Secretary Salary, Jan. & Feb. (less \$4.00 F.I.C.A.)	196.00
145		Mtn. States T. & T., Jan. & Peb. Service & Tolls	25.35
146		Peerless Printing Co., Annual Reports	476.00
147	4-29-55	Treasurer of U. S., Deposits by States	8.00
148		Lamar Daily News, Supplies	33.50
149		Mtn. States T. & T., March Service & Tolls	19.40
150		Secretary Salary, March & April (less \$4.00	
1,0		F.I.C.A.)	196.00
151	6-10-55	U. S. Geological Survey, stream gauging,	- *
1,1	V 20 //	Cooperative agreement	500.00
152		Mtn. States T. & T., April & May Service & Tolls	36.80
153	6-30-55	Secretary Salary, May & June (less \$4.00 F.I.C.A.)	196.00
154	000,,	Secretary Mileage, \$71.75; supplies \$6.05;	
1/1		Postage \$8.00	85.80
155		IJ S Treasurer Deposit by States	12.00
156		Mtn. States T. & T. June Service & Tolls	18.85
157	9-30-55	Schoeneth Office Equip. Co., Service & Supplies	9.89
158	, ,,,	J. L. Wade, Agt., Nat. Surety Co., Treasurers Bond	25.00
159		Mtn. States T. & T., July, Aug., & Sept, Service	
1,,,	•	& Tolls	59.45
160		Secretary Salary, July, Aug. & Sept. (less \$6.00	
100		FICA)	294.00
161		F.I.C.A.)	12.00
162	10-31-55	Treasurer of U. S., Deposits by States	8.00
163	10 51 //	Secretary Salary, Oct. (less \$2.00 F.I.C.A.)	98.00
164		Samuel Milagra	42.70
165		Mtn. States T. & T. Co., Service & Tolls—October	17.15
107	*	272011, 0000000 2. 0 11. 11.11	
		Total Disbursements	\$2,662.99
	D 1	n hand October 31, 1955	\$1.251.63
(d)	palance o	n nang October 31, 1977	Ψ1,271.00

(e) On October 28, 1955, the Administration approved a budget for the fiscal year July 1, 1956, to June 30, 1957, for transmittal to the Governor of each of the States of Colorado and Kansas in accordance with Article VIII E (2) of the Compact as follows:

Personal Service		\$1.925 no
Secretary Salary	\$1.200.00	
Social Security	\$0.00	
Gage Reports	500 OO	
Audit of Accounts	75.00	
Capital Outlay	, 77.00	300.00
Maintenance and Operation		
Bond	25.00	1,675.00
Printing	600.00	
Official Publication	100.00	
Travel	150.00	
Typing and Mailing		
Investigation and Inspection	200.00	
Telephone and Telegraph	150.00	
Office Supplies	300.00	
Total Rudget proposed for 1056 57	150.00	
Total Budget proposed for 1956-57.		3,800.00
Estimated Carry-over as of June 30, 1956		800.00
Total to be appropriated by Colorado and Kansa	.e	\$2,000,00
To be appropriated by Colorado (60%)		1 000 00
To be appropriated by Kansas (40%)		1,800.00
appropriated by Railsas (4070)		1,200.00
		\$3,000.00

(f) Pursuant to provisions of the Compact (Article VIII E (3)) and of the By-Laws of the Administration (Article VII (5)), the receipts and disbursements of the Administration have been audited for the period commencing November 1, 1954 through October 31, 1955, the end of the Report year. The report of such audit is hereto attached as Appendix A.

### 6. Cooperative Studies and Activities

- (a) Article VIII-G (1) of the Arkansas River Compact requires the Administration to cooperate with the Chief Official of each of the States of Colorado and Kansas charged with the Administration of water rights and with the Federal agencies in a systematic determination and correlation of the facts as to the flow and diversion of the waters of the Arkansas River and as to the operation and siltation of John Martin Reservoir and other related structures. Article VIII-G (2) requests the Director of the United States Geological Survey, the Commissioner of Reclamation, and the Chief of Engineers, United States Army, to collaborate with the Administration and with appropriate State officials in such determination and correlation of stream flow and related data. The carrying out of these cooperative studies and activities is assigned, under the By-Laws of the Administration, to the Engineering Committee.
- (b) During the period covered by this report, the Administration has had the benefit of excellent cooperation from all its agencies

referred to in the above provisions of the Compact. The Corps of Engineers has continued to operate John Martin Reservoir in accordance with the provisions of the Compact. The United State Geological Survey has also continued with the operation of the Compact gaging stations and the compilation of hydrologic data presented in this report and utilized in the administration of the Compact. To assist that agency in defraying the costs of operating the radio stage reporting gages and performing other non-routine work required for the administration of the Compact, the Administration entered into cooperative agreements with the Geological Survey for the fiscal years ending June 30, 1955, and June 30, 1956. Under the terms of these agreements, \$500 was provided by the Administration and a substantially equal amount by the Geological Survey for the above described purposes, in each of these fiscal years.

### 7. Water Supply, Reservoir Operation and Hydrologic Data

Continuing for the third year in succession, John Martin Reservoir again was empty at the beginning of the Compact year on November 1, 1954. Passage of river flow up to 100 cfs. continued until the storage of winter flows was started at 9:20 A.M. on December 29, 1954; winter storage continued to the opening of the irrigation season on April 1, 1955, at which time the reservoir contained 6,033 acre-feet of water. The sharp downward trend in winter water inflow of the past few years prevailed during this period, receding to 40% of the extreme low which had been experienced in the same season last year. The accumulation of water in storage continued through April 10, 1955, reaching a total volume of 6,178 acre-feet before releases were commenced. Based upon the concurrent demands of both States, releases of water from the Reservoir were made beginning at 8:00 A.M. on April 11, 1955, and continued until the Reservoir was empty at noon on April 17, 1955.

During the week of May 17 to 23, 1955, heavy precipitation occurred over the plains and lower mountains of eastern Colorado and northeastern New Mexico and over the plains of western Kansas. In the Arkansas River basin above John Martin Reservoir total rainfall during the storm period ranged from 2 inches at the dam to 13.59 inches near the headwaters of the Purgatoire River. A large part of the area west of a meridian through Pueblo received in excess of 5 inches of rain. The resulting runoff produced peak discharges at Las Animas of 45,000 cubic feet per second on the Arkansas River and 70,000 cubic feet per second on the Purgatoire River. The gates at John Martin Reservoir were closed at 7:00 A.M. on May 19, 1955, and the total volume of the upstream flood, amounting to 260,000 acre-feet, was collected in storage.

The storm rainfall in that part of the basin between John Martin Dam and the Stateline was generally less than 2 inches north of the river and ranged from 3 to 5 inches on tributaries south of the river. Along the valley from the Stateline to Garden City there was generally about  $3\frac{1}{2}$  inches of rain.

The Reservoir outlet gates remained closed until 8:00 A.M. on May 24, 1955, at which time releases were commenced to meet demands for water by the State of Colorado, which continued to the end of the irrigation season. Stateline flows met needs in Kansas until June 24, 1955. Releases from the Reservoir then were increased to meet Kansas' demands, which continued through October 7, 1955. Kansas requirements were met by stateline flows during the remainder of the month.

Storage in the Reservoir reached a peak of 244,493 acre-feet during the first week of June. It was drawn down steadily to 132,275 acre-feet on August 6. During the following week, there was recovery from freshets to a volume of 152,773 acre-feet on August 12. Later in the month another freshet maintained storage in the Reservoir at 138,742 acre-feet for three days. From that point on August 23 there was a constant decline in storage until the end of the irrigation season which closed on October 31 with 47,413 acre-feet of water left in the Reservoir.

The total releases from the Reservoir during the periods April 11 to 17 and May 24 to October 31 amounted to 263,280 acre-feet. Stateline flow during the corresponding periods, allowing three days for water from the Reservoir to reach the Stateline, amounted to 113,240 acre-feet.

River flow was passed through the Reservoir averaging:

22 second-feet from November 1, 1954 to December 29, 1954 5 second-feet from December 29, 1954 to April 10, 1955, and 27 second-feet from April 18, 1955 to May 24, 1955.

Stateline flow for corresponding periods, disregarding local runoff during the week of May 17 to 24, averaged: 41 second-feet, 48 second-feet, and 35 second-feet, respectively.

The total discharge for the year at Garden City was 51,600 acre feet. Approximately one-half of it occurred as local runoff during the storm period in the week of May 19 to 26. With this exception, the average discharge was about 35 cubic feet per second. Total diversions by Kansas ditches during the irrigation season amounted to more than 75% of the water which crossed the Stateline in this time.

The inflow, outflow and storage at the John Martin Reservoir and Stateline flow for the report-year are shown in graphs on Plate I.

Hydrologic data as listed below are presented in Appendix B:

- Daily discharges, Arkansas River near Pueblo, Colorado. monthly totals corrected for transmountain water.
- 3-2. Daily discharges, Arkansas River at Las Animas, Colorado.
- B-3. Daily discharges Purgatoire River near Las Animas, Colo-
- B-4. Inflow into John Martin Reservoir.
- B-5. Daily contents, John Martin Reservoir.
- B-6. Outflow from John Martin Reservoir.
- B-7. Daily discharges, Arkansas River at the Colorado-Kansas Stateline.
- B-8. Daily discharges, Arkansas River at Garden City, Kansas.
- B-9. Demands by Colorado for water.
- B-10. Demands by Kansas for water.
- B-11. Stateline flows on days of Kansas demand.

B-12. Diversions by ditches in Colorado Water Districts 14 and 17.

B-13. Diversions by ditches in Colorado Water District 67.

B-14. Diversions by ditches in Kansas, Stateline to Garden City.

B-15. Summary tabulation.

### 8. Gaging Stations

The disastrous May flood on the Purgatoire River near Las Animas destroyed the left end of the highway bridge and the new left bank gaging station which was attached to the bridge. However, the stream bed again shifted to the right bank so a recording gage was installed in the right bank gaging structure with little loss in record. The other Compact stations were continued in operation throughout the year with only minor operating difficulties.

Although not required for administration of the Compact, gaging stations have been established with the cooperation of the City of Trinidad on the Arkansas River at the Hoehne Dam and on San Francisco Creek near Alfalfa. Records from these stations will be useful to the Administration in determining the effect of upstream developments

on the water supply for John Martin Reservoir.

4—Arkansas River Compact—7970—

Since the May floods on the Arkansas and Purgatoire Rivers were the most destructive in recent years, the Geological Survey collected information on peak discharge at about forty points on these streams and their tributaries. When checked for accuracy and interpreted these data will form the basis for a complete report on the flood.

### 9. Findings of Fact by the Administration

(a) The Administration in accordance with Article IV, Section 3 (b) of the By-Laws, considered by telephone on April 9, 1955, the question of finding the Reservoir empty of winter stored water on April 17, 1955 and giving notice to the State Engineer of Colorado that priority administration would commence on April 14, 1955. As a result of affirmative action taken on April 9, 1955 the State Engineer of Colorado was notified that, on April 14, 1955, unless a change of conditions justified cancellation or modification of that notice, priority administration should commence, and decreed rights of water users in Colorado would be administered by Colorado under Article V-F of the Compact.

The Reservoir was emptied April 17, 1955 at 12 Noon.

(b) General rains throughout the valley on May 18 and 19 caused runoff below the dam in such quantity that the gates were closed on the

dam at 7 A.M., May 19, 1955.

On May 19, 1955, the administration in accordance with Article IV Section 3 (b) of the By-Laws, determined that there was in the Conservation Pool, and in the Purgatoire and Arkansas Rivers as recorded at the Las Animas gaging stations, water available at 6 P.M. May 19, 1955 for release to water users in Kansas, and Colorado Water District No. 67 as provided in the compact and notice was given this date to the State Engineer of Colorado under the provisions of Article V-F of the Arkansas River Compact.

The above Findings and Notifications were in form similar to those published in the Fifth Annual Arkansas River Compact Administration Report of 1953, Appendix C.

(c) The Administration was afforded opportunity by the Chief of Engineers, U. S. Army, to review and comment on the Corps of Engineers' Review Report on Survey for Flood Control, Purgatoire (Picket Wire) River, Colorado. The Administration's interest in this matter stemmed from the provisions of Article IV-D of the Arkansas River Compact.

At its meeting on December 14, 1954 the Administration adopted

the following motion:

"The Administration does not at this time approve the project as proposed by the Corps of Engineers on the Purgatoire River."

At its meeting on July 12, 1955 the Administration, upon recon-

sideration, adopted the following motion:

"The Arkansas River Compact Administration approves the flood control project on the Purgatoire River subject to an operating procedure to be approved by the affected water users in Colorado and Kansas, the State of Kansas and the Administration."

The Chief of Engineers was duly informed of the above actions.

Respectfully submitted,

ARKANSAS RIVER COMPACT ADMINISTRATION By:

HANS KRAMER,
Representative of the United States and Chairman

IVAN C. CRAWFORD,
HARRY B. MENDENHALL,
HARRY C. NEVIUS,
Colorado Members of the Administration

WILLIAM E. LEAVITT, R. V. SMRHA, ROLAND H. TATE, Kansas Members of the Administration.

Lamar, Colorado December 13, 1955.

### APPENDICES

for

### Annual Report of The Arkansas River Compact Administration

For the Report-Year Nov. 1, 1954, to Oct. 31, 1955

APPENDIX "A" -- Auditor's Report.

APPENDIX "B-1" — Daily Discharges, Arkansas River near Pueblo, Colorado.

APPENDIX "B-2" —Daily Discharges, Arkansas River at Las Animas, Colorado.

APPENDIX "B-3" —Daily Discharges, Purgatoire River near Las Animas, Colorado.

APPENDIX "B-4" - Inflow into John Martin Reservoir.

APPENDIX "B-5" - Daily Contents, John Martin Reservoir.

APPENDIX "B-6" —Outflow from John Martin Reservoir.

APPENDIX "B-7" —Daily Discharges, Arkansas River at Colorado-Kansas Stateline.

APPENDIX "B-8" —Daily Discharges, Arkansas River at Garden City, Kansas.

APPENDIX "B-9" -Demands by Colorado for Water.

APPENDIX "B-10"—Demands by Kansas for Water.

APPENDIX "B-11"-Stateline Flow on Days of Kansas Demand.

APPENDIX "B-12" -- Diversions by Ditches in Colorado Water Districts 14 and 17.

APPENDIX "B-13"—Diversions by Ditches in Colorado Water District 67.

APPENDIX "B-14"—Diversions by Ditches in Kansas, Stateline to Garden City.

APPENDIX "B-15"—Summary Tabulation.

PLATE 1—Graphs showing inflow, outflow and storage at John Martin Reservoir and Stateline Flow for Report-Year.

### APPENDIX "A"

### **AUDITOR'S REPORT**

ROBERT W. ROLLINS

Certified Public Accountant La Junta, Colorado

December 9, 1955

To the Representatives Arkansas River Compact Administration Lamar, Colorado

### Gentlemen:

In accordance with your request, an examination has been made of the financial transactions of the Arkansas River Compact Administration for its 6th "Report Year"—November 1, 1954 to October 31, 1955. The results of this audit are expressed in the attached statement of cash receipts and disbursements, Schedule I, Page No. 4. The remarks that follow are offered as additional information and also tend to describe the extent of the audit work performed.

### **General Comments**

Schedule I, Page No. 4 reflects the beginning balance of cash in bank, revenue assessments received from the states of Colorado and Kansas, expenditures by classification and the ending balance of cash in bank.

As provided for in the budget of the Minutes of the Administration's Meeting of October 27, 1953 and authorized for call in the Minutes of October 26, 1954, funds due from Colorado (60% share) of \$1,440.00 and Kansas (40% share) of \$960.00, were received for the budget year ending June 30, 1955 and deposited in the First National Bank in Lamar, Colorado on the respective dates of December 31, 1954 and February 16th, 1955.

All disbursements were made by checks drawn on the Administration's account at the First National Bank in Lamar, Colorado. The individual checks were examined for amount, signature and endorsement. It was noticed that checks No. 148, 149 and 150 in the respective amounts of \$8.00, \$33.50 and \$19.40 cleared the bank without the required signature of the Treasurer. This matter was discussed with your Secretary-Treasurer and it is thought it would be more expedient if the Administration advises the First National Bank of these irregularities. The correctness of the amounts disbursed was verified to payees'

statements, authorization of payment as evidenced in the minutes of the Administration's meetings, or other supporting evidence. The completed Minutes of the Special Meeting of October 26, 1954 were reviewed under this assignment.

Consistent with prior years practices the Secretary's salary for the current year of \$1,200.00 has been reduced by the Old-Age and Survivors insurance deductions amounting to \$24.00, or 2% of the gross amount. This \$24.00 figure together with the Administration's similar contributions, are shown under the classification of taxes on Schedule I.

Travel Expense of the Secretary for the fiscal year ending October 31, 1955 amounted to \$114.45, or 1635 miles of business travel at \$0.07 per mile. Payments made to the U. S. Treasurer totaling \$48.00 during the year were accompanied by related returns referring to Old-Age

and Survivor's Insurance information on the Secretary.

Cash in bank at October 31, 1955 per Schedule I amounting to \$1,251.63 was reconciled to the amount confirmed by the First National Bank in Lamar. A review of the Administration's bank statement at November 19, 1955 shows that all outstanding checks listed on Schedule I, with the exception of Check No. 162 for \$8.00 to the Treasurer of the U. S., had cleared the bank at that date.

The financial position of the Administration at October 31, 1955 is

compared with that of a year ago, in the following summary:

### ARKANSAS RIVER COMPACT ADMINISTRATION Lamar, Colorado

### COMPARATIVE BALANCE SHEET

	October 31,	October 31,	Increase
	1955	1954	(Decrease)
Assers Cash in bankEquipment (Portable typewriter)	\$1,251.63	\$1,514,62 92.50	\$(262.99)
Total Assets	\$1,344.13	\$1,607.12 ————	\$(262.99)
LIABILITIES Employees deductions (Held in trust	t) -0-	-,0-	-0-
CAPITAL Unexpended fund balance Expended fund balance for equipment	\$1,251.63 nt 92.50	\$1,514.62 92.50	\$(262.99) -0-
Total Capital	\$1,344.13	\$1,607.12	\$(262.99)
Total Liabilities and Capital	\$1,344.13	\$1,607.12	\$(262.99)

1955, it has been necessary to combine related months of the last two "Report years" in order to compare actual expenditures with related budget items. The following summary reflects such a comparison in detail.

### Comparison of Disbursements With Budget Budget Year July 1, 1954 to June 30, 1955

CLASSIFICATION	Disbursements	Budget
Personal Services		Duager
Secretary's salary	\$1,200,00*	\$1,200.00
Taxes—O.A. and S.I. Administration's sha	re 22.00	25.00
Gage reports	500.00	500.00
Professional services (audit of accounts)	65.00	100.00
Capital Outley	0-	300.00
MAINTENANCE AND OPERATION		
Bond-Treasurer	25.00	25.00
Printing	476.00	600.00
Official publications	0-	100.00
Travel expense—Secretary	127 05	150.00
Typing and mailing	21.05	200.00
Investigation and inspection	-0-	150.00
Telephone & telegraph	226.40	300.00
Office supplies and repairs.	33.50	150.00
Totals	\$2,696.00	\$3,800.00

\* As of June 30, 1955, the Secretary's salary for March 1955 (paid in April) had not yet been shown in the second quarter O.A. and S.I. report, consequently, the related employee's deduction of \$2.00, held in trust, would not show until it was sent to the Treasurer of the U. S. For comparison purposes however, Secretary's salary for the "Budget Year" is reflected at \$1,200.00, since the net amount of the salary for the month of March was paid to Mr. Nevius in the year. Note the Administration's share of the O.A. and S.I. taxes at June 30, 1955 are short by a similar \$2.00 amount. An adjustment was made for this oversight in October 1955 and the Secretary advises said salary will be included in the fourth quarter report.

The Administration's Budget for the fiscal year July 1, 1955 to June 30, 1956, as approved in the Minutes of the Meeting on October 26, 1954, provides for expenditures totaling \$3,800.00. Of this, \$1,400.00 is to come from estimated excess of funds at June 30, 1955 supplemented by an appropriation of \$2400.00 from the States of Colorado and Kansas in the respective amounts of \$1,440.00 and \$960.00.

Respectfully submitted.

ROBERT W. ROLLINS, Certified Public Accountant.

### ARKANSAS RIVER COMPACT ADMINISTRATION Lamar, Colorado

### STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

November 1, 1954 to October 31, 1955 (Refer to comments in text of audit)

(		-	
Cash in bank at November 1, 1954 (Per	· Audit)	***************************************	\$1,514.62
RECEIPTS			
Revenues from assessments			
Colorado portion 60%		.\$1,440.00	
Kansas portion 40%		. 960.00	2,400.00
Kansas portion 10 /0 mm			
Total Available Funds			3,914.62
DISBURSEMENTS			
Salary of secretary\$1,	200.00		
Less: O.A. and S.I. deductions	24.00	1,176.00	
Less: O.71. and o.1. deddesses.		•	
District Annual Papart		476.00	
Printing—Annual Report		201.10	
Telephone and telegraph		114,45	
Travel expense of secretary		114.15	
Audit fee-Fiscal year ended		65.00	
October 31, 1954		03.00	
Taxes—O.A. and S.I. payments			
Deductions from employees	24.00	40.00	
Administration's portion	24.00	48.00	
Premium on secretary-treasurer's			
bond		25.00	•
Typing and mailing		14.05	
Office supplies, stationery, etc		43.39	
Stream-gaging expense of U.S.			
Geological Survey		500.00	1
Geological out vey			
Total Disbursements			2,662.99
		•	21.251.62
Cash in Bank at October 31, 1955			\$1,251.03.
Cash on Deposit at First National Ba	ank in ]	Lamar	
Per direct confirmation at October		01 417 40	
31, 1955		\$1,417.48	
Less: Outstanding checks of:			
No. 162 Treasurer of the U.S.	8.00	· ·	
No. 163 Harry Nevius	98.00		
No. 164 H. C. Nevius	42.70		
No. 165 Mt. States Tel. and			•
Tel. Co	17.15	165.85	\$1,251.63
161. 00.			

### APPENDIX "B-1"

### ARKANSAS RIVER NEAR PUEBLO, COLORADO

				99	٥ ٥	90	8	50	80 j	72	2	0 5	, ,	4.	0 7	7.5	o oc	47	4	2 8 7 6	4	4.	4	2 0	er er	29	6	76	90	36	110	128	124		1005	1060	3	0704	0000
		10000	SEF I.	410	70.0	9 10 10 10	2	516	445	227	104	1.34	113	110	201	001	0	202	ő	103	629	204	15.4	180	35	180	289	217	203	174	127	40			7168	14220	4450	0110	؟ نی <sub>ر نیر</sub>
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UEBLO,	ober 31, 1 Subject	MAV		102	230	249	177	114	123	153	284	4.0	478	416	3.58	373	350	440	679	\$990	5460	1080	414	229	231	208	105	114	105	<b>2</b> 6	<b>58</b>	21	70		19309	38300	\$10	37790	ES
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IVER N	t Year Er scords—Pr (Colorado	MAR	145	132	129	134		121	111	96	108	128	145	128	116	132	136	128	116	3	8	62	75	<b>20</b> 1	47	E 1	7.7	20 1	1	- 1	1.1	43	<del>4</del>	4 17,7 0	3170	6250	<b>6</b> 1	6240	ater.
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### APPENDIX "B-2"

### ARKANSAS RIVER AT LAS ANIMAS, COLORADO

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### APPENDIX "B-3"

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### PURGATOIRE RIVER NEAR LAS ANIMAS, COLORADO

OCT.

### APPENDIX "B-4"

### INFLOW INTO JOHN MARTIN RESERVOIR

			INFL U.	INFLOW INTO JOHN MARTIN RESERVOIR Report Year Ending October 31, 1955 U S G S Records—Provisional, Subject to Revision	V INTO JOHN MARTIN RESERVO Report Year Ending October 31, 1955 S Records—Provisional, Subject to Revision	N MAR ling Octo	TIN RE ber 31, 19 Subject to	SERVO	<b>E</b>			
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### APPENDIX "B-5"

### DAILY CONTENTS JOHN MARTIN RESERVOIR

DAY         DEC.         JAN.         FEB.         MAR.         APR.         MAY         JUNE         JULY         AUG.         SEPT.         OCT.           1         0         292         2963         5271         6033         0         244493         21877         144077         12323         67186           2         0         483         3054         5464         6054         0         244493         21877         144178         1191794         65186           4         0         625         3054         5464         6078         0         244493         211272         141789         15760         6549           5         0         625         3199         5464         6072         0         244493         21050         113403         64946         6686         0         244493         21050         113409         6494         6786         0         244493         21050         113409         6494         6088         0         244493         210579         113409         6494         6088         0         244493         210579         113409         6494         6088         0         244493         210579         113408         64046			į	Corps of	Engineer	Engineers Records-Provisional, Subject to Revision	Provis	ional, Sul	oject to R	evision			
0 0 0 292 2963 7271 6033 0 244493 221577 144077 122323 0 0 625 3084 7567 6045 0 244493 216412 139120 117394 0 0 0 625 3084 7646 6058 0 244493 216412 139120 117394 0 0 0 880 3292 7549 6098 0 244493 21672 136800 117403 0 0 0 1047 3623 7547 6087 0 244493 216857 11010 0 0 1047 3623 7549 6098 0 244493 208697 132277 11010 0 0 1047 3623 7549 6098 0 244493 208697 132277 11010 0 0 1047 3623 7541 6125 0 244137 203398 14337 106990 0 0 1107 3623 7541 6125 0 244137 203398 14337 106990 0 0 1217 3623 7541 6155 0 244137 203398 14337 106990 0 0 1217 3872 7584 6034 0 241878 192009 152100 95683 0 0 0 1317 4453 7711 2084 0 241878 192789 90118 0 0 0 1347 4523 7741 682 0 241878 187280 157210 94877 0 0 1347 4343 7749 0 241878 187280 157210 94377 0 0 1440 4293 7737 0 0 241828 187280 157210 94377 0 0 1830 4448 5889 0 241882 178217 14976 86443 0 0 1830 4448 5889 0 241882 177827 188742 7672 0 0 1860 445 744 7889 0 243900 148772 188742 18874 0 0 0 1860 4457 7889 0 243900 148772 18724 18874 0 0 0 2463 6048 7749 0 24390 14300 177128 0 0 0 2463 7684 7917 7860 17774 130807 71128 0 0 0 2463 7684 7917 7860 17300 14877 18874 10087 18774 18874 14877 18874 14877 18874 14877 18874 14877 18874 14877 18874 14877 1888 17874 14877 18874 14877 18874 14877 18874 14877 18874 14877 18889 1740 0 244477 18889 0 24437 17774 17884 17877 18874 17877 18874 17876 14292 18877 18874 17876 14292 18874 17877 18874 17876 14292 18877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18874 17877 18877 18777 18877 1	DAY	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY			AUG.	SEPT.	OCT
0         375         2987         5367         6045         0         244493         218124         14189         118677           0         0         483         3045         5449         6047         0         244493         21842         19120         117394           0         0         728         3149         5484         6072         0         244493         21842         118408	_	0	0	292	2963	\$271	6033	=	244401	221878	144077	19333	47106
0         483         3035         \$459         6047         0         244493         216432         199120         117394           0         0         625         3084         6058         0         244493         216432         199120         117394           0         0         880         3199         5754         6098         0         244493         216869         132277         11010           0         0         943         3412         5749         6098         0         244493         216869         132277         11010           0         1003         3574         5611         6167         0         244137         200750         143437         104090           0         1004         3523         5611         6178         0         244187         200750         143437         104090           0         1104         3523         5611         6178         0         244187         20869         10530         10530           0         1104         3523         5611         6178         0         244187         104090         10530           0         1116         3724         561         6178	7	0.	0	375	2987	5367	6045	· C	744403	210174	141580	110647	66110
0         625         3084         9464         6098         0         244493         213672         136860         115403           0         0         802         3199         5488         6072         0         244493         213672         136860         11343           0         0         802         3199         5439         6018         0         244493         201869         13249         11419         1149         1149         1149         11419         114134         11010         11411         11414         11414         11414         11414         11414         11414         11414         11414         11414	۳,	0	0	483	3035	5439	6045	· C	244403	216432	130120	117204	V6500
0         728         3149         948         6072         0         244493         21128         134166         113343           0         0         802         3199         5737         6087         0         244493         208595         13277         111010           0         943         3412         5749         6087         0         244493         208595         13277         111010           0         0         1003         3534         5611         6167         0         244137         200398         141337         101000           0         0         1101         3623         5611         6167         0         244381         100690         14347         104090           0         0         1101         3623         5611         6178         0         24321         10109         14347         104090           0         0         1167         3724         4617         0         244781         198049         143437         104090           0         0         1167         3724         4617         0         244781         198049         14387         1010304           0         0 <t< td=""><td>4</td><td>0</td><td>0</td><td>625</td><td>3084</td><td>5464</td><td>80.58</td><td>· C</td><td>24403</td><td>213677</td><td>136860</td><td>116402</td><td>60000</td></t<>	4	0	0	625	3084	5464	80.58	· C	24403	213677	136860	116402	60000
0         802         3199         \$737         6087         0         244493         208695         132775         111010           0         880         3292         \$749         6098         0         244493         208695         132775         11010           0         0         1003         3412         \$749         6098         0         244493         2015993         13450         108312           0         0         1007         3623         \$611         6167         0         244493         2015993         134510         10890           0         0         1047         3623         \$611         6167         0         244187         104990         14437         104990           0         0         1167         3623         \$611         6178         0         244187         104990         14437         104990           0         0         1167         3624         4014         6165         0         244189         19530         151100           0         0         1216         4174         4014         6024         0         244182         18289         141311         101090           0	<b>~</b>	0	0	728	3149	5488	6072	· C	244493	211258	134186	111111	24049
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0         943         3412         \$749         6125         0         244137         20398         141337         106790           0         1003         3534         \$611         6165         0         243781         200770         143437         104090           0         1047         3623         \$611         6178         0         243781         198049         143437         104090           0         0         1101         3623         \$611         6178         0         241781         198049         198049         198049         198049         198049         198049         198049         19808         17210         9888         101630         9688         1016400         9888         101630         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         1016400         9688         14610         9688         16710         14710         9688         16714         9688         16714         16767	<u>.</u> .	0	0	880	3292	5549	8609	0	244493	205993	133630	108832	67447
0         0         1003         3534         \$611         6165         0         243781         200750         143437         104090           0         0         1047         3623         \$611         6178         0         243189         198049         143887         101630           0         1167         3724         \$611         \$599         0         243189         198049         143887         101630           0         1167         3724         \$611         \$599         0         241828         195300         157210         9688           0         0         1237         4015         \$684         4034         0         241828         187280         15210         94367           0         0         1340         4232         \$737         0         241828         187280         15028         9232           0         0         1340         4293         \$737         0         241828         187280         15028         9232           0         0         1440         4293         \$737         0         241828         18780         15028         144976         86443           0         0         <	<b>&gt;0</b> (	0	0	943	3412	\$549	6125	0	244137	203398	141335	106590	62035
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0         1367         4232         5724         682         0         241828         182750         14872         90118           0         0         1440         4293         5737         0         240943         180617         147038         88041           0         0         1483         5749         0         14128         239620         17516         144976         86443           0         0         1807         4416         5813         0         109347         238827         173130         14296         84721           0         0         1830         4448         5838         0         196474         237862         170592         138742         80699           0         1887         4628         5889         0         23690         158757         138742         76502           0         1980         4747         5889         0         23090         158797         138742         76502           0         2130         4887         5889         0         23090         158797         137173         71184           0         2131         4897         5889         0         23090         158209	2.5	<b>-</b>	٥ (	1315	4153	\$711	2084	0	242183	185280	150285	92322	58654
0         1440         4293         5737         0         240943         180617         147038         88041           0         0         1483         4343         5749         0         240325         178215         144976         86443           0         0         1751         438         5749         0         14128         239620         175766         142926         84431           0         0         1807         4446         5838         0         196474         237862         170592         138742         86699           0         1830         4732         5864         0         218734         237161         168150         138742         76823           0         1867         4628         5889         0         221890         165757         138742         76502           0         2130         4857         5889         0         230900         234933         162597         137173         7447           0         2130         4857         5889         0         237073         231332         178209         133136         72184           0         2463         5084         5917         0         2	20	S (	<b>-</b>	1367	4232	5724	682	0	241828	182750	148722	90118	58192
0         1483         4343         5749         0         240325         178215         144976         86443           0         0         1807         4385         5749         0         14128         239620         175766         142926         84721           0         0         1807         4416         5813         0         196474         237827         17786         140891         82593           0         0         1830         4532         5864         0         21864         237862         170592         138742         86699           0         1867         4628         5889         0         227800         236199         165757         138742         76602           0         1980         4747         5889         0         230900         234803         165297         137173         74647           0         0         2130         4877         5889         0         23093         23132         158209         137240         73330           0         0         2463         5084         5917         0         240237         227629         158744         70087           0         2609         5177	- 0	) )	۰ (	1440	4293	5737	0	0	240943	180617	147038	88041	57566
0         0         1751         4385         5749         0         14128         239620         175766         142926         84521           0         0         1807         4416         5813         0         109347         238827         173130         140891         82593           0         0         1830         4448         5838         0         196474         237862         177130         140891         82593           0         0         1867         4628         5889         0         237802         236199         158742         76502           0         0         1867         4628         5889         0         230900         234803         165757         138742         76502           0         0         1980         4747         5889         0         230900         234803         165757         13740         7330           0         0         2144         4970         5902         0         237073         231332         158209         137240         73184           0         0         2463         5084         5917         0         240237         229606         157444         130807         711	0	0	٥,	1483	4343	\$749	0	0	240325	178215	144976	86443	\$7009
0         1807         4416         5813         0         109347         238827         173130         140891         82593           0         0         1830         4448         5838         0         106474         237862         170592         138742         80699           0         0         1850         4628         5884         0         227800         236199         165727         138742         78843           0         0         1980         4747         5889         0         230900         234803         162997         137743         74647           0         0         2130         4857         5889         0         230900         234803         162997         137740         74647           0         0         2130         4857         5889         0         231933         23132         158209         13740         73130           0         2463         5084         5917         0         240237         229606         15744         130807         71128           0         2469         5049         0         243425         227629         153464         70087           0         14         2	<u>&gt; </u>	<b>-</b>	0	1751	4385	5749	0	14128	239620	178766	142926	84521	56356
0         1830         4448         5838         0         196474         237862         170592         138742         80699           0         1807         4628         5864         0         218734         237161         168150         138742         78843           0         0         1867         4628         5889         0         237800         168150         138742         78843           0         0         1980         4747         5889         0         230900         234803         162997         137173         74647           0         0         2130         4877         5889         0         233993         233064         160759         137173         74647           0         0         2130         4877         5889         0         233993         233064         160759         137173         72184           0         0         2463         5084         5915         0         240237         229606         15744         130807         71128           0         14         2729         6006         0         243425         227629         15764         70087           0         114         2829	3:	0	<b>.</b>	1805	4416	5813	0	109347	238827	173130	140891	82593	55706
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### OUTFLOW FROM JOHN MARTIN RESERVOIR

OUTFLOW FROM JOHN MARTIN RESERVOIR Report Year Ending October 31, 1955 U S G S Records—Provisional, Subject to Revision

24.0	VOV	שמ	TAN	FFR	MAR.	APR.	MAY	IUNE	JULY	AUG.	SEPT.	OCT.
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28	£7.	O 0	200	7:1	25	i c	305	920	1240	1220	516	396
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Ac. Ft.	1210	1320	143	4	535	0069	09/0	THE	/RAR	268.600		
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### APPENDIX "B-7"

### ARKANSAS RIVER AT THE COLORADO-KANSAS STATE LINE

			<b>-</b> .	Re USGS	port 1 Reco	lear End rds—Pro	ing Oct visional	Report Year Ending October 31, 1955 S Records—Provisional, Subject to R	Report Year Ending October 31, 1955  S Records—Provisional, Subject to Revision				
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ARKANSAS RIVER AT THE COLORADO KANSAS STATE LINE

### APPENDIX "B-8"

### ARKANSAS RIVER AT GARDEN CITY, KANSAS

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### APPENDIX "B-9"

### DEMANDS BY COLORADO FOR WATER

NOV.   DEC.   JAN.   FEB.   MAR.   APR.   MAY   JUNE   JULX   AUG.   SEPT.   OCT.				DEA	<b>AANDS</b>	BY CC	CORAL	XO FO.	DEMANDS BY COLORADO FOR WATER	Ä			
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### APPENDIX "B-10"

### DEMANDS BY KANSAS FOR WATER

		OCT.	250	250	250	220	2 2 8																				70.4	3140
		SEPT.	500 500	<b>3</b> 00	500	200	90	500	200 200 200 200 200 200 200 200 200 200	90	200	0	200	90	200	500	95	, 9	500	200	<u>3</u>	390	250	250	250	067	00041	27550 Pt.
		AUG.	500	, 25	200	200	200	<b>3</b>	200	200	, 200 200 200 200 200 200 200 200 200 20	500	ğ.	35	, 28	<b>5</b> 00	200	505	200	<b>2</b> 00 5	<b>2</b> 00	200	200	200	<b>3</b> 00	, <u>7</u>		17700 30740 680 Ac.
		JULY	300	500	\$00	500	200	38	500	9.5	, 20 20 20 20 20 20 20 20 20 20 20 20 20	\$00	200	200	<u>3</u>	200	200	35	200	200	200	200	200	500	200	300 300	4	1995 15235 1960 30220 E YEAR 97,
ATER	۶۶ records)	JUNE																			195	900	300	300	300	300		1995 3960 THE YE
FOR W	er 31, 19 nistration	MAY	,	:																								00
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DEMANDS BY KANSAS FOR WATER	Report Year Ending October 31, 1955 (Arkansas River Compact Administration records)	MAR.																										00
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### APPENDIX "B-11"

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### STATELINE FLOW ON DAYS OF KANSAS DEMAND\*

DAY N			0	רסי א Records—Provisional, Subject to Revision		· femanage .	*******	*******				
	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
									220	425	541	323
									226	437	\$26	308
									235	430	563	297
								:	966	424	557	288
									459	436	454	270
									469	478	419	254
									492	456	411	247
									499	533	444	254
									518	1690	456	197
									644	518	441	158
									492	485	459	
									490	1080	497	
						,			491	637	\$1\$	
						<b>8</b> 0			492	299	475	
						67			465	515	459	
						<b>بر</b>			444	514	466	
						107			413	497	473	
						141			436	503	447	
						98			463	507	439	
						62			460	479	445	
									474	462	422	
									476	451	472	
					•				462	428	496	1
									457	411	551	
									461	461	646	
									447	482	746	
				•				199	481	454	594	
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						•		185	468	473	360	
								200	460	625	338	
,		•		-					4 <del>4</del> 0	770		
Sec. Ft.	0	0	0	0	0	609	0		14509	16662	14520	7506
نپ	0	0	0	0	0	1210	0	1550 THE V	28780	33050	28820	\$150
*Three days time is allowed for water released from John Martin Reservoir to reach	ne is a	llowed fo	r water	released fr	om John i	Martin Re	servoir to	reach St	Stateline.	78,700		

APPENDIX "B-12" \* \* \* \*

# DIVERSIONS BY DITCHES IN COLORADO WATER DISTRICTS 14 AND 17

Report Year Ending October 31, 1955 (Acre Feet)
Source of Information, A.V.D.A. Reports—Reservoir Water is that from Upstream Reservoirs above Pueblo

Source of	Thiornia	LUCII, 23.											THE
				p p	440	A PR	MAV	TUNE	IOLY	AUG.	SEPT.	OCT.	YEAR
	NOZ	חבר	JAN.	red.	MAN			-	1	0.0	0 60	ŀ	60 430
١.	4,225	3,820	2,122	1,805	4,366	3,719	9,293	10,649	5,397	0,819 0	3,838 0	000,	635
Res. or Imported	0	0	ا	٦	)   			9,3	6.037	0189	3 858	•	61.074
-	4.225	3.820	2,122	1,805	4,366	3,719	6,77,7	10,044	3000	71010	2		1
					yr	173	175	228	184	184	179		1,377
West Pueblo (River)	24	<b>O</b>	o °	> <	2 1	1043	800	1 2 1 4	1.107	1.107	1,016		9,533
Booth Orchard Gr. (Riv.)	833	555	0 (	<b>&gt;</b> (	0/0	1,043	2 20	8.70	170	530	0		1,943
Excelsior (River)	0	0 (	0 (	<b>-</b>	<b>&gt;</b>	> <	9 0	20	. 0	0	0		0
Res. or Imported	 	١٦	ا د	) ا	٥		730	970	12	\$30	ļ°	٥	1,943
Total	0	0	0	0	>	>	067	2		)	. (		100
	ć	c	0	1449	C	0	16.538	1,565	1,256	843	0	0	,0,0
Colorado Canal (Kiv.)	0		0		c	0	0	5,355	12,099	9,066	3,808		30,320
Res, or imported	٦	٥١٥		440	٥	0	16.538	6,920	13,355	606'6	3,808		\$1,079
Total	>	>	>		3		0	7 7 4 5	\$ 215	6 883	3.558	2.753	56,097
Highline (River)	2,906	2,727	4,536	4,126	3,505	3,392	500	0	2.047	395	555	0	4,217
Res. or Imported		120	7 836	4 126	1.5	4 106	9.251	7,745	7,262	7,278	4,113	2,753	60,314
Total	2,300	771.7	4,730	7,140	4 4 4 4	1 6		100	7 287	4 377		833	20,076
Oxford Canal (Riv.)	\$69		224	436	825	608	7,410	701,0	Continued	n followin	u		•
<sup>1</sup> Run to Ordway M	(unicipal.							•					

APPENDIX "B-12" (Continued)
\* \* \* \*

17	
4 AND 17	
14,	
ISTRICTS	
WATER I	
COLORADO .	
SIONS BY DITCHES IN COLORADO WATER DISTRICTS 14	
DIVERSIONS BY	

	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAX	IONE	IOLY	AUG.	SEPT.	0CT.	THE
Otero (River)	0	0	0	0	0	0	409	748	180	707			2 1 2 4
Res. or Imported	0	0	0	0	0	0	0		30	<u> </u>	0	> c	t, 1.34 O
Total	ı	0	0	0	0	0	409	748	180	797	٥		2 114
Catlin (River)	2645	3,017	4,582	3,493	407	0	1,706	13.656	8.287	7.972	2.757	3058	47.480
Kes. or Imported		ا^		0	0	0	0	0	0	0	0	0	0
I otal	645	3,017	4,582	3,493	407	0	1,706	13,656	8,287	7,972	2.757	958	47.48C
Holbrook (River)		0	096	1,087	0	0	10,929	3,503	1,400	6,920	0	0	24 799
ROCKY Ford (Kiver)	5,276	2,495	450	843	5,086	4,443	3,437	4,659	6,534	6,073	4.965	4.713	48.974
rt. Lyon Storage (Kiver)		O ;	Φ;	0	0	0	5,230	0	555	4,556	0	0	10.341
re. Lyon Canal (River).		9,878	10,824	8,154	7,664	1,297	8,360	34,854	14,210	32,027	8,440	7.997	150.554
Las Animas Cons. (Kiv.)		1,529	1,680	1,692	736	323	2,483	3,761	2,555	4,225	1.392	569	21,443
Las Animas Lown (KIV.)		<u>~</u>		٥	\$69	1,436	1,087	1,093	1,920	1,507	1,311	335	9,595
TOTAL			,										
River	22,144	24,652	25,378	22,185	23,880	16,633	72,068	90.435		84.815	28.293	23.692	185 536
Kes. or Imported	0		^	0	9	714	200	5,355	14,781	9,461	4,363		35,180
	22,144	24,652	25,378	22,185	23,886	17,347	72.568	95.790		94 276	32.656	23 602	11001
Part Highline and Oxfo 716 Ac. Ft. of Highlin 103 Ac. Ft. of Rocky J	Ford C	Canals Water diverted by Janal's Water diverted by d Ditch Water diverted b	ater diver ter diver 7ater dive	ted by C ted by C rted by (	latlin for atlin for Catlin for	Holly Sug Holly Sug City of	ougar Compan bugar Compan of Rocky Ford	ny na d					21, 62
	in Canal	Water											

APPENDIX "B-13" \* \* \* \*

## DIVERSIONS BY DITCHES IN COLORADO WATER DISTRICT 67

Report Year Ending October 31, 1955 (Acre Feet) Source of Information A.V.D.A. Reports

		i											THE
	NON	DEC.	IAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	YEAR
									1, 10	34 750	32 00 6		570.200
100 000	7 5 7	365	c	0	63	538	3.7.2	7,014	4,70	÷	2,000		
Ft. Dent Canal		3	•	•	976	413	144	77	840	766	706		4,201
Keesee Ditch		∍	>	>	007	671	2 1				100		007 60
A : A		<b>C</b>	Ċ	0	0	1.922	5.078	14,454	23,000	75,137	12,201		74.40
Omity Canal		,	70,	i di	4	1 507	1 884	4.167	9 114	9.267	7.220		38,704
Lamar Canal		0 4 7	0 V O	cíc	000	1,77	100		777	27.4	21.5		2521
U.J. Diesh		=	Ċ	0	123	115	202	917	440	7	170		1 (
nyde Ditten	1		ې		_	262	192	C	797	859	912		3,072
Manvel Canal		>	>	>	۰ د	1 4		5	000	2000	1 630		6 501
V V C Casham Canal		0	0	0	0	14y	2	790	7 (2)	6,043	1,000		
A. L. C. Claiman Cummin			· c	_	446	1 920	1035	2.505	3,372	2.949	2,263		10,178
Buffalo Canal	110	5	>	>		1			14	404	80		<b>∞</b>
Sisson Canal	•	:	;	1	:	:	:	•	ָרָי. ו		3		
		1	1		1 430	A 01A	3860	24816	44 304	44.798	36.519	_	194,444
TOTAL	2,544	1,125	470	333	1,130	0,710	107.	1,0,1		•			
<sup>1</sup> Includes 137 Ac. Ft.	t. for Keesee	see											
*Includes 175 Ac. Pt	for Kee	Keesee											
Tasky 100 Ac Be	ţ	99399											
THE TOTAL THE THE	į,	}											
*Includes 167 Ac. Ft	tor Kee	See											
Trelides 669 Ar Pt	for Kee	.8ee											

APPENDIX "B-14"
\* \* \* \*

### DIVERSIONS BY DITCHES IN KANSAS

Report Year Ending October 31, 1955
(Acre Feet)
Frontier Ditch, U.S.G.S. Records
Other Ditches, Kansas Division of Water Resources Records

	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	IUNE	IOLY	AUG.	SEPT.	OCT.	THE
ontier Ditch	0	0	0	c	2.42	257	1 410	1 200	7 280	0 440	6	-	
amo Canal	85	0	C	· C	4 6 6	500	1,110	104	2,000	6,7,7	2,0,7	1,120	12,139
Aubrey Canal	v	¥.	344	0	9	777	770	101	017	100	/83	3	3,719
Total Stateline	5	3	1.1.7		366	178	180	87.5	1,750	524	1,520	89	7,074
to Syracuse	732	وړ	244	0	1.077	1577	2.021	7 440	<b>7</b>	1 421	4 2 7 3	4	6
1000	•	•					1	1,1	2,0	1010	1,0,1	1,71,	70,777
takon Callat	0 (	) ·	Э,	<b>-</b>	0	0	565	859	3,160	5.560	3.500	4.480	18 124
itin side Ditch	۰ د	<b>&gt;</b>	0	0	664	272	619	7	2.550	4.510	3.310	165	12,002
at nastern Canal	0	0	0	0	0	2,220	7.870	7.100	5.420	4.800	8.240	3.440	30,000
Farmer s Ditch	0	0	0	0	629	1,710	1,530	468	3,910	5.730	2.530	1,070	17.571
den City Canal	٥ 	0	0	0	0	0	0	0	0	0	1.040	4.5	1 472
al Syracuse to				, [									1
Garden City	0	0	0	0	1,293	4,202	10,584	8,429	15,040	20,600	18,620	9.587	88.355
at stateline to													
Garden City	732	65	244	0	2,370	\$,779	12,605	10,878	20,088	24.031	22.993	11.502	11.287
													2016

SUMMARY TABULATION APPENDIX "B-15" \* \* \* \*

(in acre-feet)

Arkanas River at Las Animas, Colo...... 377 Purgatoire River near Las Animas, Colo. 105 Inflow to John Martin Reservoir (1)...... 482

THE FROM JULY AUG. SEPT. OCT. YR. APP.NO.

353 2830

 $\begin{array}{c} 0 \\ 3150 \end{array}$ 

(1) Because of computation rules figures in this line are not necessarily the exact sum of those shown above. Diversions in Kansas. 732 Arkansas River at Garden City, Kansas. 1740 

32

SECOND FEET

Report Year, November I, 1954 — October 31, 1955