RIO GRANDE COMPACT

DELIVERIES BY COLORADO AT STATE LINE

YEAR 1945

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	CONEJOS INDEX SUPPLY						RIO GRANDE SUPPLY			STORED WATER		DELIVERIES AND CREDITS			
	MEASURED STREAM FLOW				ADJUSTMENTS PER COMPACT	CONEJOS INDEX SUPPLY	RECORDED FLOW NEAR DEL NORTE	ADJUSTMENTS PER COMPACT	RIO GRANDE INDEX SUPPLY	GAIN (+) OR LOSS (-) IN STORAGE	TOTAL QUANTITY IN STORAGE AT END OF MONTH	CONEJOS RIVER AT MOUTHS NEAR LOS SAUCES	TOTAL FLOW AT LOBATOS LESS CONEJOS RIVER	ACTUAL DELIVERY AT LOBATOS GAGE	ADJUSTMENTS PER COMPACT
	CONEJOS RIVER AT MOGOTE	LOS PINOS RIVER NEAR ORTIZ	SAN ANTONIO RIVER AT ORTIZ	TOTAL MEASURED FLOW											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAN	2.6	——	——	2.6	-	2.6	9.9	-	9.9	0	0.2	3.3	14.1	17.4	-
FEB	2.4	——	——	2.4	-	2.4	9.6	-	9.6	0	0.2	3.8	13.6	17.4	-
MAR	3.5	——	——	3.5	-	3.5	12.7	-	12.7	0	0.2	3.4	17.2	20.6	-
1ST QTR.	8.5	——	——	8.5	-	8.5	32.2	-	32.2	0	——	10.5	44.9	55.4	-
APR	9.7	4.8	3.9	18.4	-	18.4	29.3	+0.1a	29.4	+0.3	0.5	4.6	11.9	16.5	-
MAY	90.2	59.5	19.2	168.9	-	168.9	135.7	-	135.7	0	0.5	89.8	19.6	109.4	0.2c
JUN	83.0	20.3	0.8	104.1	-	104.1	160.7	-0.1b	160.6	0	0.5	29.1	11.4	40.5	-
2ND QTR	191.4	84.6	23.9	299.9	-	299.9	357.9	0ab	357.9	+0.3	——	134.0	87.8	221.8	0.2c
JUL	25.0	4.2	0.1	29.3	-	29.3	82.0	-0.1b	81.9	0	0.5	1.7	7.4	9.1	-
AUG	10.0	1.8	0.4	12.2	-	12.2	41.7	-	41.7	0	0.5	1.1	3.3	4.4	-
SEPT	3.2	0.7	0	3.9	-	3.9	17.7	-	17.7	0	0.5	0.7	2.1	2.8	-
3RD QTR	229.6	91.3	24.4	345.3	-	345.3	499.3	-0.1ab	499.2	+0.3	——	137.5	100.6	238.1	0.2c
OCT	3.9	1.0	0.1	5.0	-	5.0	20.6	-	20.6	0	0.5	1.4	4.5	5.9	-
NOV	3.0	——	——	3.0	-	3.0	11.0	-	11.0	0	0.5	2.3	15.6	17.9	-
DEC	2.6	——	——	2.6	-	2.6	7.2	-	7.2	0	0.5	2.6	12.5	15.1	-
4TH QTR.	239.1	92.3	24.5	355.9	-	355.9	538.1	-0.1ab	538.0	+0.3	——	143.8	133.2	277.0	0.2c
YEAR	239.1	92.3	24.5	355.9	-	355.9	538.1	-0.1ab	538.0	+0.3	——	143.8	133.2	277.0	0.2c

REMARKS: Storage in reservoirs constructed after 1937 only.

a. Adjustment for change in storage.

b. Adjustment for transmountain diversion

c. Increased debit due to revision of records of Los Pinos near Ortiz, Colorado for May 1943.

SUMMARY OF DEBITS AND CREDITS

	ITEM	DEBIT	CREDIT	BALANCE	
C1	Balance at Beginning of Year	——	——	Cr.	83.5
C2	Scheduled Delivery from Conejos River	151.8	——	Dr.	68.3
C3	Scheduled Delivery from Rio Grande	139.9	——	Dr.	208.2
C4	Actual Delivery at Lobatos plus 10000 acre feet	——	287.0	Cr.	78.8
C5	Adjustments per Compact - Item 16	0.2	-	Cr.	78.6
C6	Reduction of Credits per Article VI.	9.2	——	Cr.	69.4
C7	Reduction of Debits per Article VI.	——	-	Cr.	69.4
C8	Balance at End of Year	——	——	Cr.	69.4

RIO GRANDE COMPACT
DELIVERIES BY NEW MEXICO AT SAN MARCIAL

YEAR 1945

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	OTOWI INDEX SUPPLY					STORAGE OF WATER IN RESERVOIRS					DELIVERIES AND CREDITS				
	RECORDED FLOW AT OTOWI BRIDGE	ADJUSTMENTS ACCOUNT STORAGE ABOVE OTOWI	OTHER ADJUSTMENTS PER COMPACT	EQUIVALENT FLOW AT OTOWI UNDER 1929 CONDITIONS	OTOWI INDEX SUPPLY	LOBATOS TO OTOWI		OTOWI TO SAN MARCIAL		TOTAL IN STORAGE AT END OF MONTH	RECORDED FLOW AT SAN MARCIAL GAGE	ACTUAL DELIVERY DURING SCHEDULE MONTHS	ADJUSTMENTS ACCOUNT DEPLETION DURING JULY, AUGUST SEPTEMBER		OTHER ADJUSTMENTS PER COMPACT
						GAIN (+) OR LOSS (-)	TOTAL AT END OF MONTH	GAIN (+) OR LOSS (-)	c TOTAL AT END OF MONTH				LOBATOS TO OTOWI	TRIBUTARIES BELOW OTOWI	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAN	41.4	+3.0	0.0	44.4	44.4	+3.0	88.2	+1.1	3.1	91.3	47.6	47.6	—	—	-
FEB	49.4	+3.1	+0.3a	52.8	52.8	+3.1	91.3	+0.2	3.3	94.6	47.6	47.6	—	—	-
MAR	51.1	+7.3	+0.4a	58.8	58.8	+7.3	98.6	0	3.3	101.9	41.1	41.1	—	—	-
1ST QTR.	141.9	+13.4	+0.7a	156.0	156.0	+13.4	—	+1.3	—	—	136.3	136.3	—	—	-
APR	94.0	+41.0	+0.7a	135.7	135.7	+41.0	139.6	-0.7	2.6	142.2	69.7	69.7	—	—	-
MAY	433.6	+62.1	+1.3a	497.0	497.0	+62.1	201.7	-0.7	1.9	203.6	380.0	380.0	—	—	-
JUN	152.1	+0.6	+1.7a	154.4	154.4	+0.6	202.3	-0.4	1.5	203.8	97.3	97.3	—	—	-
2ND QTR.	821.6	+117.1	+4.4a	943.1	943.1	+117.1	—	-0.5	—	—	683.3	683.3	—	—	-
JUL	74.4	-31.6	+0.8a	43.6	—	-31.6	170.7	-0.1	1.4	172.1	16.0	—			-
AUG	64.8	-33.7	+0.3a	31.4	—	-33.7	137.0	-0.5	0.9	137.9	22.0	—	0.1b	0.7b	-
SEPT	55.7	-38.4	+0.7a	18.0	—	-38.4	98.6	-0.2	0.7	99.3	7.4	—			-
3RD QTR.	1,016.5	+13.4	+6.2a	1,036.1	—	+13.4	—	-1.3	—	—	728.7	—	0.1b	0.7b	-
OCT	43.2	-13.8	+0.4ab	29.8	29.8	-13.8	84.8	0	0.7	85.5	23.9	23.9	—	—	-
NOV	37.5	-1.6	+0.3a	36.2	36.2	-1.6	83.2	0	0.7	83.9	21.1	21.1	—	—	-
DEC	34.3	+1.4	+0.1a	35.8	35.8	+1.4	84.6	0	0.7	85.3	40.1	40.1	—	—	-
4TH QTR.	1,131.5	-0.6	+7.0ab	1,137.9	1,044.9	-0.6	—	-1.3	—	—	813.8	768.4	—	—	-
YEAR	1,131.5	-0.6	+7.0ab	1,137.9	1,044.9	-0.6	—	-1.3	—	—	813.8	768.4	0.1b	0.7b	-

REMARKS: Storage in reservoirs constructed after 1929 only.

a. Adjustment for net evaporation from reservoirs, Lobatos to Otowi

b. Adjustment for Stock Tanks

c. Does not include San Mateo Reservoir which capacity during 1945 was less than 50 acre feet.

SUMMARY OF DEBITS AND CREDITS

	ITEM	DEBIT	CREDIT	BALANCE	
NM1	Balance at Beginning of Year	—	—	Dr.	136.6
NM2	Scheduled Delivery at San Marcial	785.6	—	Dr.	922.2
NM3	Actual Delivery in Schedule Months	—	768.4	Dr.	153.8
NM4	Adjustments Account Depletion in July, Aug., Sept.	0.8	—	Dr.	154.6
NM5	Other Adjustments - Item 16	-	-	Dr.	154.6
NM6	Reduction of Credits per Article VI.	-	—	Dr.	154.6
NM7	Reduction of Debits per Article VI.	—	4.2	Dr.	150.4
NM8	Balance at End of Year	—	—	Dr.	150.4

RIO GRANDE COMPACT
RELEASE AND SPILL FROM PROJECT STORAGE

YEAR 1945

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	TOTAL PROJECT STORAGE CAPACITY AVAILABLE AT END OF MONTH	USABLE WATER			UNFILLED CAPACITY OF PROJECT STORAGE AT END OF MONTH	CREDIT WATER			FLOOD WATER IN STORAGE AND DEAD STORAGE AT END OF MONTH	TOTAL WATER IN PROJECT STORAGE AT END OF MONTH	RELEASE AND SPILL				
		STORED IN ELEPHANT BUTTE RESERVOIR	STORED IN CABALLO RESERVOIR	TOTAL IN STORAGE AT END OF MONTH		COLORADO CREDIT WATER IN STORAGE	NEW MEXICO CREDIT WATER IN STORAGE	TOTAL IN STORAGE AT END OF MONTH			RECORDED FLOW OF RIO GRANDE BELOW ELEPHANT BUTTE	RIO GRANDE BELOW CABALLO			
												RELEASE OF USABLE WATER	SPILL OF FLOOD OR CREDIT WATER	ACTUAL SPILL OF USABLE WATER	TOTAL RECORDED FLOW
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAN	2,500.0	1,188.6	268.3	1,456.9	1,043.1	83.5	0	83.5	0	1,540.4	67.9	0.7	0	0	0.7
FEB	2,500.0	1,173.9	297.8	1,471.7	1,028.3	83.5	0	83.5	0	1,555.2	61.8	23.0	0	0	23.0
MAR	2,500.0	1,140.4	281.0	1,421.4	1,078.6	83.5	0	83.5	0	1,504.9	71.7	85.3	0	0	85.3
1ST QTR.	———	———	———	———	———	———	———	———	———	———	201.4	109.0	0	0	109.0
APR	2,500.0	1,126.1	218.9	1,345.0	1,155.0	83.5	0	83.5	0	1,428.5	65.1	129.7	0	0	129.7
MAY	2,500,0	1,401.1	171.2	1,572.3	927.7	83.5	0	83.5	0	1,655.8	63.0	112.0	0	0	112.0
JUN	2,500.0	1,413.2	123.2	1,536.4	963.6	83.5	0	83.5	0	1,619.9	71.5	122.1	0	0	122.1
2ND QTR.	———	———	———	———	———	———	———	———	———	———	401.0	472.8	0	0	472.8
JUL	2,500.0	1,339.7	66.0	1,405.7	1,094.3	83.5	0	83.5	0	1,489.2	75.8	141.6	0	0	141.6
AUG	2,500.0	1,267.7	27.6	1,295.3	1,204.7	83.5	0	83.5	0	1,378.8	84.7	131.9	0	0	131.9
SEPT	2,500.0	1,188.6	5.6	1,194.2	1,305.8	83.5	0	83.5	0	1,277.7	70.0	98.5	0	0	98.5
3RD QTR.	———	———	———	———	———	———	———	———	———	———	631.5	844.8	0	0	844.8
OCT	2,500.0	1,138.2	63.0	1,201.2	1,298.8	83.5	0	83.5	0	1,284.7	69.6	11.1	0	0	11.1
NOV	2,500.0	1,084.2	114.5	1,198.7	1,301.3	83.5	0	83.5	0	1,282.2	68.1	9.5	0	0	9.5
DEC	2,500.0	1,046.6	164.0	1,210.6	1,289.4	83.5	0	83.5	0	1,294.1	70.6	19.1	0	0	19.1
4TH QTR.	———	———	———	———	———	———	———	———	———	———	839.8	884.5	0	0	884.5
YEAR	———	———	———	———	———	———	———	———	———	———	839.8	* 884.5	0	0	* 884.5

REMARKS:

* Includes 1,597 acre-feet released from Caballo into Bonita Ditch.

P5 Includes correction of 14,900 acre feet of evaporation under hypothetical conditions not credited for the year 1944.

ACCRUED DEPARTURE FROM NORMAL RELEASE

	ITEM	DEDIT	CREDIT	BALANCE
P1	Accrued Departure at Beginning of Year	———	———	Dr. 191.5
P2	Actual Release during Year	884.5	———	Dr. 1,076.0
P3	Normal Release for Year	———	790.0	Dr. 286.0
P4	Actual Net Evaporation Loss in Year	164.2	———	Dr. 450.2
P5	Evaporation Loss if No Departures	———	203.7	Dr. 246.5
P6	Accrued Departure at End of Year	———	———	Dr. 246.5

TIME OF HYPOTHETICAL SPILL Did not occur.