

RIO GRANDE COMPACT
DELIVERIES BY COLORADO AT STATE LINE

YEAR 1951

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	CONCEJOS INDEX SUPPLY										RIO GRANDE INDEX SUPPLY								DELIVERIES				
	MEASURED FLOW					ADJUSTMENTS				SUPPLY		RECORDED FLOW REAR. DEL. MONTH	ADJUSTMENTS					SUPPLY		CONCEJOS AVEEN. AT MONTH'S REAR. LOS SUICHS	RIO GRANDE LESS CONCEJOS AVEEN.	RIO GRANDE AT LOBATOS	ACCUMULATED TOTAL AT LOBATOS
	CONCEJOS AT MOGOTE	LOS FRIOS REAR. ONTIC	SAN ANTONIO AT ONTIC	TOTAL	STORAGE AT END OF MONTH	CHANGE IN STORAGE	OTHER ADJUSTMENTS	NET ADJUSTMENT	SUPPLY IN MONTH	ACCUMULATED TOTAL	STORAGE AT END OF MONTH		CHANGE IN STORAGE	PARABOLITH DIMENSIONS	OTHER ADJUSTMENTS	NET ADJUSTMENT	SUPPLY IN MONTH	ACCUMULATED TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
					0					4		0.3					4					4	
JAN	2.2			2.2	0	0	-	0	2.2	2.2	7.8	.3	0	0	-	0	7.8	7.8	2.4	14.8	17.2	17.2	
FEB	2.4			2.4	0	0	-	0	2.4	4.6	8.1	.4	+1	0	-	+1	8.2	16.0	2.4	13.5	15.9	33.1	
MAR	3.7			3.7	0	0	-	0	3.7	8.3	11.1	.5	+1	0	-	+1	11.2	27.2	2.2	8.2	10.4	43.5	
APR	8.4	4.8	1.9	15.1	0	0	-	0	15.1	23.4	18.8	.6	+1	0	-	+1	18.9	46.1	1.0	4.6	5.6	49.1	
MAY	42.4	18.6	4.2	65.2	0	0	-	0	65.2	88.6	78.3	.6	0	0	-	0	78.3	124.4	2.4	.9	3.3	52.4	
JUN	42.1	7.4	.2	49.7	0	0	-	0	49.7	138.3	95.0	.5	-.1	-.3	-	-.4	94.6	219.0	.6	1.4	2.0	54.4	
JUL	7.3	1.2	0	8.5	0	0	-	0	8.5	146.8	26.7	.4	-.1	-.1	-	-.2	26.5	245.5	.1	0	.1	54.5	
AUG	4.2	.9	0	5.1	0	0	-	0	5.1	151.9	20.1	.3	-.1	0	-	-.1	20.0	265.5	.2	.3	.5	55.0	
SEPT	2.3	.4	0	2.7	0	0	-	0	2.7	154.6	13.2	.3	0	0	-	0	13.2	278.7	.1	1.4	1.5	56.5	
OCT	2.2	.7	0	2.9	0	0	-	0	2.9	157.5	10.5	.3	0	0	-	0	10.5	289.2	.6	1.9	2.5	59.0	
NOV	2.0			2.0	.4	+.4	-	+.4	2.4	159.9	9.9	.3	0	0	-	0	9.9	299.1	.6	4.0	4.6	63.6	
DEC	2.0			2.0	.7	+.3	-	+.3	2.3	162.2	9.7	.3	0	0	-	0	9.7	308.8	2.1	8.6	10.7	74.3	
YEAR	121.2	34.0	6.3	161.5		+.7		+.7	162.2		309.2		0	-.4	-	-.4	308.8		14.7	59.6	74.3		

REMARKS: Storage in Platoro Reservoir began November 7, 1951 (See Column 6)												SUMMARY OF DEBITS AND CREDITS					
												DEBIT		CREDIT		BALANCE	
												ITEM	DEBIT	CREDIT	DEBIT	CREDIT	BALANCE
C1	Balance at Beginning of Year					Cr 25.0											
C2	Scheduled Delivery from Concejos River			26.1		Dr 1.1											
C3	Scheduled Delivery from Rio Grande			76.9		Dr 78.0											
C4	Actual Delivery at Lobatos plus 10,000 Acre Feet				81.3	Cr 6.3											
C5	Reduction of Debits % Evaporation				0	Cr 6.3											
C6	Reduction of Credits % Evaporation			5.4		Cr .9											
C7																	
C8	Balance at End of Year					Cr 0.9											

RIO GRANDE COMPACT
DELIVERIES BY NEW MEXICO AT ELEPHANT BUTTE

YEAR 1951

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	NATURAL FLOW AT OTOMI BRIDGE							TOTAL WATER STORED IN NEW MEXICO ABOVE SAN MARCIAL AT END OF MONTH	ELEPHANT BUTTE EFFECTIVE SUPPLY					
	RECORDED FLOW AT OTOMI BRIDGE	STORAGE IN RESERVOIRS LOGANOS TO OTOMI			OTHER ADJUSTMENTS PER ARTICLE II	OTOMI INLET SUPPLY			STORAGE IN ELEPHANT BUTTE RESERVOIR		RECORDED FLOW BELOW ELEPHANT BUTTE DAM	ADJUSTMENT OF MEASUREMENTS	ACTUAL EFFECTIVE SUPPLY	
		TOTAL AT END OF MONTH	CHANGE GAIN (+) LOSS (-)	EVAPORATION DURING MONTH		DURING MONTH (2+4+5+6)	ACCUMULATED TOTAL		AT END OF MONTH	CHANGE GAIN (+) LOSS (-)			DURING MONTH (11+12+15)	ACCUMULATED TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		29.4		—	—	—	0	29.7	329.7	—	—	—	—	0
JAN	31.3	30.8	+ 1.4	0.1	0	32.8	32.8	31.5	303.8	-25.9	55.1	—	29.2	29.2
FEB	60.0	4.7	-26.1	.1	0	34.0	66.8	5.5	293.0	-10.8	53.3	—	42.5	71.7
MAR	29.3	5.3	+ .6	0	0	29.9	96.7	6.1	248.8	-44.2	64.8	—	20.6	92.3
APR	22.3	29.4	+24.1	.2	0	46.6	143.3	30.1	192.4	-56.4	61.6	—	5.2	97.5
MAY	50.7	60.1	+30.7	.1	0	81.5	224.8	60.8	166.2	-26.2	29.7	—	3.5	101.0
JUN	51.1	35.2	-24.9	.2	0	26.4	251.2	35.8	106.6	-59.6	62.8	—	3.2	104.2
JUL	32.9	11.2	-24.0	-.1	0	8.8	260.0	11.6	53.1	-53.5	54.8	—	1.3	105.5
AUG	31.0	0	-11.2	0	0	19.8	279.8	.4	27.7	-25.4	31.0	—	5.6	111.1
SEPT	13.2	0	0	0	0	13.2	293.0	.1	19.4	- 8.3	11.7	—	6.4	117.5
OCT	14.5	0	0	0	0	14.5	307.5	.2	22.8	+ 3.4	.2	—	3.6	121.1
NOV	20.5	0	0	0	0	20.5	328.0	.4	26.7	+ 3.9	.4	—	4.3	125.4
DEC	30.3	0	0	0	0	30.3	358.3	.6	36.5	+ 9.8	.3	—	10.1	135.5
YEAR	387.1		-29.4	.6	0	358.3		—	—	-293.2	428.7	—	135.5	—

<p>REMARKS: No Reduction of Debits a/c El Vado Evaporation as water was illegally stored.</p> <p>* Based on new capacity table. Reported in 1950 as 335.4, using capacity table dated Dec. 1946.</p>	<p style="text-align: center;">SUMMARY OF DEBITS AND CREDITS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ITEM</th> <th>DEBIT</th> <th>CREDIT</th> <th>BALANCE</th> </tr> </thead> <tbody> <tr> <td>NM1 Balance at Beginning of Year</td> <td>—</td> <td>—</td> <td>Dr 263.1</td> </tr> <tr> <td>NM2 Scheduled Delivery of Elephant Butte</td> <td>204.2</td> <td>—</td> <td>Dr 467.3</td> </tr> <tr> <td>NM3 Actual Elephant Butte Effective Supply</td> <td>—</td> <td>135.5</td> <td>Dr 331.8</td> </tr> <tr> <td>NM4 Reduction of Debits % Evaporation</td> <td>—</td> <td>0</td> <td>Dr 331.8</td> </tr> <tr> <td>NM5 Reduction of Credits % Evaporation</td> <td>0</td> <td>—</td> <td>Dr 331.8</td> </tr> <tr> <td>NM6</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NM7</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NM8 Balance at End of Year</td> <td>—</td> <td>—</td> <td>Dr 331.8</td> </tr> </tbody> </table>	ITEM	DEBIT	CREDIT	BALANCE	NM1 Balance at Beginning of Year	—	—	Dr 263.1	NM2 Scheduled Delivery of Elephant Butte	204.2	—	Dr 467.3	NM3 Actual Elephant Butte Effective Supply	—	135.5	Dr 331.8	NM4 Reduction of Debits % Evaporation	—	0	Dr 331.8	NM5 Reduction of Credits % Evaporation	0	—	Dr 331.8	NM6				NM7				NM8 Balance at End of Year	—	—	Dr 331.8
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RIO GRANDE COMPACT
RELEASE AND SPILL FROM PROJECT STORAGE

YEAR 1951

Quantities in Thousands of Acre Feet to Nearest Hundred

MONTH	TOTAL PROJECT STORAGE CAPACITY AVAILABLE AT END OF MONTH	USABLE WATER IN STORAGE			UNFILLED CAPACITY OF PROJECT STORAGE AT END OF MONTH	CREDIT WATER IN STORAGE			FLOOD WAT. IN STORAGE IN CABALLO RESERVOIR AT END OF MONTH	TOTAL WATER IN PROJECT STORAGE AT END OF MONTH	RIO GRANDE BELOW CABALLO DAM							
		ELEPHANT BUTTE RESERVOIR	CABALLO RESERVOIR	TOTAL AT END OF MONTH		COLORADO CREDIT WATER	NEW MEXICO CREDIT WATER	TOTAL AT END OF MONTH			MEASURED FLOW AT CABALLO GAGING STATION	INTERVENING DIVERSIONS TO CANALS	TOTAL RELEASE END SPILL	SPILL FROM STORAGE			USABLE RELEASE	
														CABALLO FLOOD WATER	CREDIT WATER	USABLE WATER	NET DURING MONTH	ACCUMULATED TOTAL
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	2,526.3	* 215.0	* 67.0	312.0	2,214.3	84.7	0	84.7	0	* 396.7	—	—	—	—	—	—	—	0
JAN	2,526.3	278.8	114.1	392.9	2,133.4	25.0	0	25.0	0	417.9	0.1	0	0.1	0	0	0	0.1	0.1
FEB	2,526.3	268.0	159.5	427.5	2,098.8	25.0	0	25.0	0	452.5	.1	0	.1	0	0	0	.1	.2
MAR	2,526.3	227.6	119.9	377.5	2,148.8	21.2	0	21.2	0	398.7	69.8	0	69.8	0	0	0	69.8	70.0
APR	2,526.3	174.8	140.5	315.3	2,211.0	17.6	0	17.6	0	332.9	67.9	.3	68.2	0	0	0	68.2	138.2
MAY	2,526.3	119.9	112.4	292.3	2,234.0	16.3	0	16.3	0	308.6	23.5	.2	23.7	0	0	0	23.7	161.9
JUN	2,526.3	94.3	124.9	219.2	2,307.1	12.3	0	12.3	0	231.5	75.7	.3	76.0	0	0	0	76.0	237.9
JUL	2,526.3	46.3	77.7	124.0	2,402.3	6.8	0	6.8	0	130.8	102.7	.3	103.0	0	0	0	103.0	340.9
AUG	2,526.3	26.3	13.5	39.8	2,486.5	1.4	0	1.4	0	11.2	103.4	.3	103.7	0	0	0	103.7	444.6
SEPT	2,526.3	18.9	6.9	25.8	2,500.5	.5	0	.5	0	26.3	26.2	0	26.2	0	0	0	26.2	470.8
OCT	2,526.3	0	10.0	10.0	2,516.3	22.8	0	22.8	0	32.8	.1	0	.1	0	0	0	.1	470.9
NOV	2,526.3	1.7	12.8	14.5	2,511.8	25.0	0	25.0	0	39.5	0	0	0	0	0	0	0	470.9
DEC	2,526.3	11.5	15.3	26.8	2,499.5	25.0	0	25.0	0	51.8	0	0	0	0	0	0	0	470.9
YEAR	—	—	—	—	—	—	—	—	—	—	469.5	1.4	470.9	0	0	0	470.9	—

REMARKS: At the 12th Annual Meeting the Commission authorized the release of Credit Water for Project use, provided that the releases from time to time shall contain the same proportions of Usable and Credit Water as the proportions of such Waters then in Project Storage, and provided further that the Credit Water used shall be replaced at the first opportunity. Replacement began October 1.			
December 31, 1950 Total Project Capacity Usable Water—Elephant Butte Caballo Total Unfilled Capacity	Old Survey—Adjusted 2,530.0 250.7 70.6 321.3 2,208.7 406.0	New 1951 Survey 2,526.3 215.0 67.0 312.0 2,214.3 396.7	
ACCRUED DEPARTURE FROM NORMAL RELEASE			
	DEBIT	CREDIT	BALANCE
P1	Accrued Departure at Beginning of Year	—	Cr. 60.1
P2	Actual Release during Year	470.9	Dr. 410.8
P3	Normal Release for Year	—	Cr. 379.2
P4	Actual Evaporation from Elephant Butte Reservoir	101.0	Cr. 278.2
P5	Evaporation Loss if No Accrued Departure	—	Cr. 362.3
P6			
P7	Accrued Departure at End of Year	—	Cr. 362.3
TIME OF HYPOTHETICAL SPILL None occurred			

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