

PECOS RIVER COMPACT

Report of the River Master

Water Year 2011

Accounting Year 2012

Final Report

June 27, 2012

**Neil S. Grigg
River Master of the Pecos River
749 S. Lemay, Ste. A3, PMB 330
Fort Collins, Colorado 80524**

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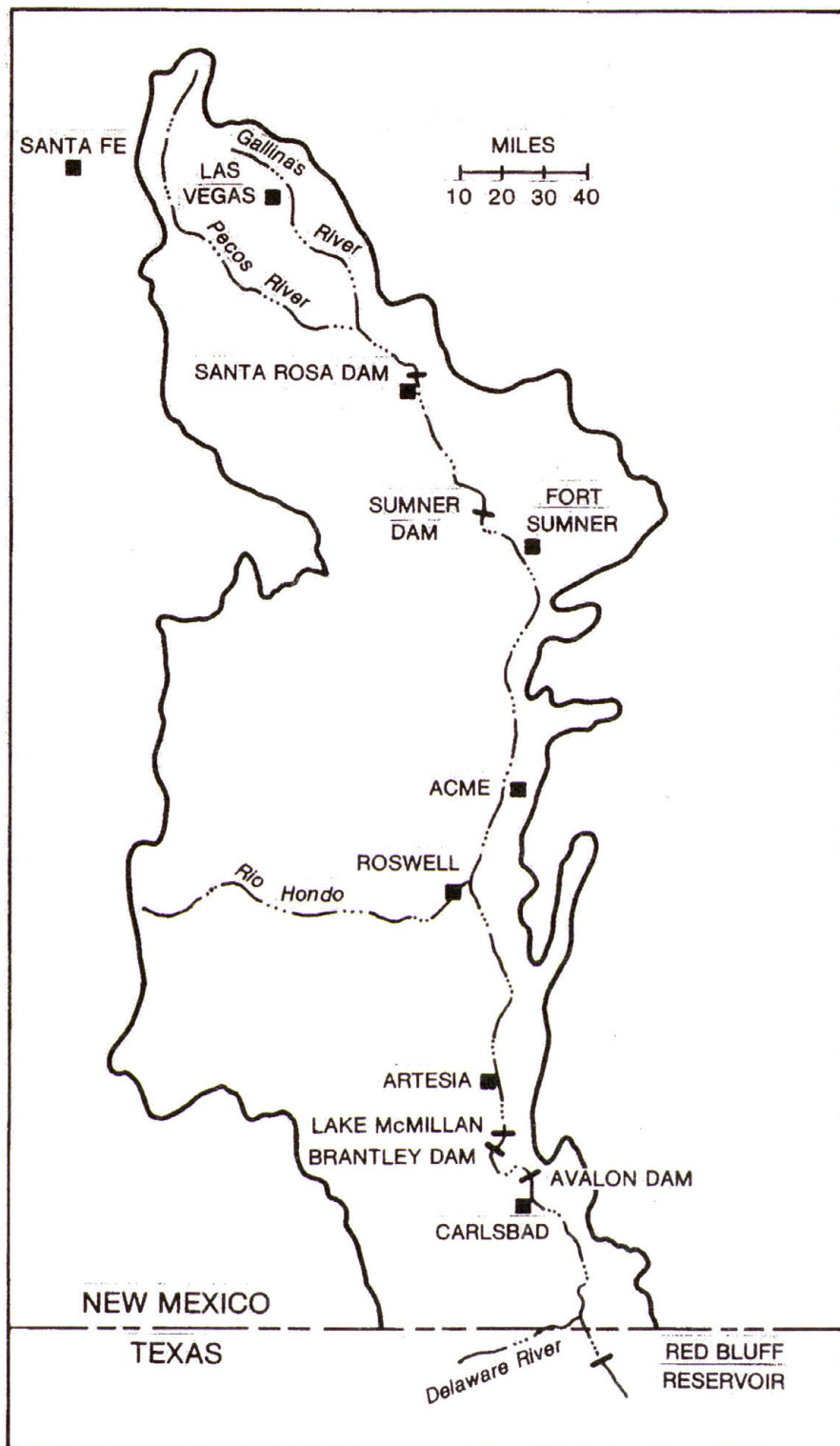
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Map of Pecos River Basin Showing Accounting Reaches

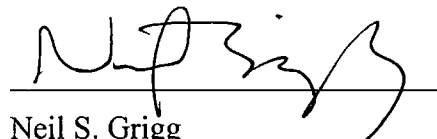
PECOS RIVER COMPACT
Supreme Court of the United States
No. 65, Original
Amended Decree

Final Report of the River Master
Water Year 2011 - Accounting Year 2012
June 27, 2011

Purpose of the Report. In its Amended Decree issued March 28, 1988 the Supreme Court of the United States appointed a River Master of the Pecos River and directed him to "... Deliver to the parties a Preliminary Report setting forth the tentative results of the calculations required by Section III.B.1 of this Decree by May 15 of the accounting year..." and to consider "... any written objections to the Preliminary Report submitted by the parties prior to June 15 of the accounting year..." and to deliver "... to the parties a Final Report setting forth the final results of the calculations required by Section III.B.1 of this Decree by July 1 of the accounting year." This is the required Final Report with the determination of:

- a. The Article III(a) obligation;
- b. Any shortfall or overage, which calculation shall disregard deliveries of water pursuant to an Approved Plan;
- c. The net shortfall, if any, after subtracting any overages accumulated in previous years, beginning with water year 1987.

Result of Calculations and Statement of Shortfall or Overage. The results of the calculations in this Final Report show that New Mexico's delivery in Water Year 2011 was an overage of 500 acre-feet. The accumulated overage since the beginning of Water Year 1987 is 100,100 acre-feet.



Neil S. Grigg
River Master of the Pecos River

TABLE 1. Summary of the data used in the analysis			Number of patients
Study	Year	Location	
Phase I			
1	1990-1991	USA	10
2	1990-1991	USA	10
3	1990-1991	USA	10
4	1990-1991	USA	10
5	1990-1991	USA	10
6	1990-1991	USA	10
7	1990-1991	USA	10
8	1990-1991	USA	10
9	1990-1991	USA	10
10	1990-1991	USA	10
11	1990-1991	USA	10
12	1990-1991	USA	10
13	1990-1991	USA	10
14	1990-1991	USA	10
15	1990-1991	USA	10
16	1990-1991	USA	10
17	1990-1991	USA	10
18	1990-1991	USA	10
19	1990-1991	USA	10
20	1990-1991	USA	10
21	1990-1991	USA	10
22	1990-1991	USA	10
23	1990-1991	USA	10
24	1990-1991	USA	10
25	1990-1991	USA	10
26	1990-1991	USA	10
27	1990-1991	USA	10
28	1990-1991	USA	10
29	1990-1991	USA	10
30	1990-1991	USA	10
31	1990-1991	USA	10
32	1990-1991	USA	10
33	1990-1991	USA	10
34	1990-1991	USA	10
35	1990-1991	USA	10
36	1990-1991	USA	10
37	1990-1991	USA	10
38	1990-1991	USA	10
39	1990-1991	USA	10
40	1990-1991	USA	10
41	1990-1991	USA	10
42	1990-1991	USA	10
43	1990-1991	USA	10
44	1990-1991	USA	10
45	1990-1991	USA	10
46	1990-1991	USA	10
47	1990-1991	USA	10
48	1990-1991	USA	10
49	1990-1991	USA	10
50	1990-1991	USA	10
51	1990-1991	USA	10
52	1990-1991	USA	10
53	1990-1991	USA	10
54	1990-1991	USA	10
55	1990-1991	USA	10
56	1990-1991	USA	10
57	1990-1991	USA	10
58	1990-1991	USA	10
59	1990-1991	USA	10
60	1990-1991	USA	10
61	1990-1991	USA	10
62	1990-1991	USA	10
63	1990-1991	USA	10
64	1990-1991	USA	10
65	1990-1991	USA	10
66	1990-1991	USA	10
67	1990-1991	USA	10
68	1990-1991	USA	10
69	1990-1991	USA	10
70	1990-1991	USA	10
71	1990-1991	USA	10
72	1990-1991	USA	10
73	1990-1991	USA	10
74	1990-1991	USA	10
75	1990-1991	USA	10
76	1990-1991	USA	10
77	1990-1991	USA	10
78	1990-1991	USA	10
79	1990-1991	USA	10
80	1990-1991	USA	10
81	1990-1991	USA	10
82	1990-1991	USA	10
83	1990-1991	USA	10
84	1990-1991	USA	10
85	1990-1991	USA	10
86	1990-1991	USA	10
87	1990-1991	USA	10
88	1990-1991	USA	10
89	1990-1991	USA	10
90	1990-1991	USA	10
91	1990-1991	USA	10
92	1990-1991	USA	10
93	1990-1991	USA	10
94	1990-1991	USA	10
95	1990-1991	USA	10
96	1990-1991	USA	10
97	1990-1991	USA	10
98	1990-1991	USA	10
99	1990-1991	USA	10
100	1990-1991	USA	10

Pecos River Compact		
Accumulated Shortfall or Overage		
June 27, 2012		
Water Year	Annual Overage or Shortfall, AF	Accumulated Overage or Shortfall, AF
1987	15,400	15,400
1988	23,600	39,000
1989	2,700	41,700
1990	-14,100	27,600
1991	-16,500	11,100
1992	10,900	22,000
1993	6,600	28,600
1994	5,900	34,500
1995	-14,100	20,400
1996	-6,700	13,700
1997	6,100	19,800
1998	1,700	21,500
1999	1,400	22,900
2000	-12,300	10,600
2001	-700	9,900
2002	-3,000	6,900
2003	2,000	8,900
2004	8,300	17,200
2005	24,000	41,200
2006	26,100	67,300
2007	25,200	92,500
2008	6,000	98,500
2009	1,600	100,100
2010	-500	99,600
2011	500	100,100

Table 1. General Calculation of Annual Departures, TAF, WY 2011			
4/29/2012			
	WY 2009	WY 2010	WY 2011
B.1.a. Index Inflows			
(1) Annual flood inflow			
(a) Gaged flow Pecos R bel Alamogordo Dam	97.0	116.2	87.4
(b) Flood Inflow Alamogordo - Artesia (Table 2)	7.4	7.9	-12.2
(c) Flood Inflow Artesia - Carlsbad (Table 3)	7.8	10.0	12.8
(d) Flood Inflow Carlsbad - State Line (Table 4)	12.5	9.4	0.5
Total (annual flood inflow)	124.7	143.5	88.5
(2) Index Inflow (3-year avg)			118.9
B.1.b. 1947 Condition Delivery Obligation (Index Outflow)			44.0
B.1.c. Average Historical (Gaged) Outflow			
(1) Annual historical outflow			
(a) Gaged Flow Pecos River at Red Bluff NM	44.0	60.6	24.6
(b) Gaged Flow Delaware River nr Red Bluff NM	2.7	5.6	1.0
(c) Metered diversions Permit 3254 into C-2713	0.0	0.0	0.0
Total Annual Historical Outflow	46.7	66.2	25.6
(2) Average Historical Outflow (3-yr average)			46.2
B.1.d. Annual Departure			2.2
C. Adjustments to Computed Departure			
1. Adjustments for Depletions above Alam Dam			
a. Depletions Due to Irrigation (Table 5)	0	0.5	3.3
b. Depl fr Operation of Santa Rosa Reservoir (Table 6)	3.4	4.1	2.7
c. Transfer of Water Use to Upstream of AD		0	0.0
Recomputed Index Inflows			
(1) Annual flood inflow			
(a) Gaged flow Pecos R bel Alamogordo Dam	100.4	120.8	93.4
(b) Flood Inflow Alamogordo - Artesia	7.4	7.9	-12.2
(c) Flood Inflow Artesia - Carlsbad	7.8	10.0	12.8
(d) Flood Inflow Carlsbad - State Line	12.5	9.4	0.5
Total (annual flood inflow)	128.1	148.1	94.5
Recomputed Index Inflow (3-year avg)			123.6
Recomputed 1947 Condition Del Outflow (Index Outflow)			46.5
Recomputed Annual Departures			-0.3
Credits to New Mexico			
C.2 Depletions Due to McMillan Dike			0.9
C.3 Salvage Water Analysis			0
C.4 Unappropriated Flood Waters			0
C.5 Texas Water Stored in NM Reservoirs			0
C.6 Beneficial C.U. Delaware River Water			0
Final Calculated Departure, TAF			0.5

Table 3. Determination of Flood Inflows, Artesia to Carsbad, WY 2011 (B.4)

	4/21/2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOT
Rio Penasco at Dayton		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fourmile Draw nr Lakew		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Seven Rivers		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rocky Arroyo at Hwy Br		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flood Inflow, Art-DS3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pecos R at Dam Site 3		1.3	1.3	4.2	10.6	8.9	9.1	9.4	4.3	3.5	1.2	1.1	1.3	56.1
CB Sprgs New Water (from Table 7)		-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-9.7
Total Inflow, DS3 - CB		0.5	0.5	3.4	9.8	8.1	8.3	8.6	3.5	2.7	0.4	0.3	0.5	46.4
Evap Loss, Lake Avalon (from Table 10)		0.2	0.3	0.5	0.6	0.7	0.7	0.6	0.6	0.3	0.3	0.2	0.1	5.2
Storage Chg, Lake Avalon (from Table 11)		0.6	0.4	-1.7	0.3	0.2	-0.3	-0.1	0.2	0.3	-0.5	0.5	0.6	0.5
Carls ID diversions		0.0	0.0	5.5	9.7	8.0	8.4	8.0	3.4	2.5	1.2	0.0	0.0	46.7
93% CID diver		0.0	0.0	5.1	9.0	7.4	7.8	7.4	3.1	2.4	1.1	0.0	0.0	43.4
Other depletions		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	1.4
Dark Canyon at Csbad		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pecos b Dark Canyon		1.4	1.2	1.0	1.0	0.9	0.4	0.3	0.2	0.4	0.5	0.6	0.8	8.7
Pecos R at Carlsbad		1.4	1.2	1.0	1.0	0.9	0.4	0.3	0.2	0.4	0.5	0.6	0.8	8.7
Total Outflow		2.3	1.9	5.1	11.1	9.3	8.8	8.4	4.3	3.5	1.5	1.4	1.6	59.2
Flood Inflow, DS3-CB		1.8	1.4	1.6	1.3	1.2	0.5	-0.1	0.7	0.9	1.2	1.1	1.1	12.8
Flood Inflow, Art-CB		1.8	1.4	1.6	1.3	1.2	0.5	-0.1	0.7	0.9	1.2	1.1	1.1	12.8

Table 4. Summary Table for Computations, Carlsbad to State Line - WY 2011 (B.5)							
4/29/2012							
	BCB - RB	BCB - RB*	Del R	DC			
	RM	USGS	USGS				
Jan	0.0	0.1	0.0	0.0			
Feb	0.1	0.0	0.0	0.0			
Mar	0.0	0.1	0.0	0.0			
Apr	0.0	0.2	0.0	0.0			
May	0.0	0.2	0.0	0.0			
Jun	0.0	0.1	0.0	0.0			
Jul	0.0	0.1	0.0	0.0			
Aug	0.1	0.1	0.0	0.0			
Sep	0.2	0.2	0.1	0.0			
Oct	0.0	0.0	0.0	0.0			
Nov	0.0	0.0	0.0	0.0			
Dec	0.0	0.1	0.0	0.0			
Total	0.4	1.4	0.1	0.0			
Summary of flood inflows, Carlsbad to State Line, TAF							
Red Bluff - Carlsbad + Dark C RM calcs)					0.4		
Delaware River (USGS Computation					0.1		
Total Flood Inflow, Carlsbad to State Line					0.5		
* USGS calculations BCB-RB for comparison only.							

Table 5. Depletions Due to Irrigation Above Sumner Dam - WY 2011 (C.1.a)

Table 6. Depletions Due to Santa Rosa Reservoir Operations - WY 2011 - (C.1.b)

Table 7. Carlsbad Springs New Water WY 2011- (B.4.c)					
4/21/2012					
		TAF	AF/day	cfs	Totals
Pecos R bel DC		8.7	23.9	12.0	12.0
Dark Canyon		0.0	0.0	0.0	0.0
Pecos R bel Lake Avalon		0.0	0.0	0.0	0.0
Depletion, cfs					2.0
CID lag seep, cfs (from Table 8)					5.1
Return flow, cfs					1.0
Lake Av lagged seep, cfs (from Table 9)					18.2
PR seepage, cfs					3.0
Carls new water, cfs					-13.4
Carls new wat, TAF					-9.7
Carls new wat monthly, TAF					-0.8

Table 8. Carlsbad Main Canal Seepage Lagged - WY 2011 - [B.4.c.(1)(e)]													
4/21/2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
WY 2011													
CID, TAF	0	0	5.46	9.73	7.95	8.43	8	3.38	2.53	1.23	0	0	46.7
days/mo	31	28	31	30	31	30	31	31	30	31	30	31	365
cfs	0	0.0	88.8	163.5	129.3	141.7	130.1	55.0	42.5	20.0	0.0	0.0	64.2
cfs, qtr avg			30.6			144.7			76.2			6.7	
WY 2010		1Q	2Q	3Q	4Q								
FLows, cfs				111.6	66.4								
SEVEN %				7.8	4.6								
WY 2010 lagged		1Q	2Q	3Q	4Q								
FLows, cfs		30.6	144.7	76.2	6.7								
SEVEN %		2.1	10.1	5.3	0.5								
LAG		3.9	6.6	6.4	3.7	Avg =	5.1	cfs					

Table 9. Lake Avalon Leakage Lagged - WY 2011 - B.4.c.(1)(g)

Table 10. Evaporation Loss at Lake Avalon - WY 2011 - (B.4.f)

4/21/2012														
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL	
STREAMFLOW GAGING RECORDS, TAF														
Pecos R b Sumner Dam	1.7	3.4	30.6	5.2	5.9	7.0	16.4	5.3	4.8	4.6	1.5	0.9	87.4	
Fort Sumner Main C	0.0	2.2	3.6	4.9	4.5	4.2	4.0	4.2	4.3	4.5	0.0	0.0	36.5	
Pecos R nr Artesia	4.4	3.8	22.9	5.1	2.2	1.2	7.1	1.1	0.3	0.8	1.7	3.2	53.9	
Rio Penasco at Dayton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Fourmile Draw nr Lakewood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
South Seven Rivers nr Lkwd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Rocky Arroyo at Hwy Br nr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pecos R at Dam Site 3	1.3	1.3	4.2	10.6	8.9	9.1	9.4	4.3	3.5	1.2	1.1	1.3	56.1	
Pecos bel Avalon Dam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Carlsbad Main Canal	0.0	0.0	5.5	9.7	8.0	8.4	8.0	3.4	2.5	1.2	0.0	0.0	46.7	
Dark Canyon at Carlsbad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pecos below Dark Canyon	1.4	1.2	1.0	1.0	0.9	0.4	0.3	0.2	0.4	0.5	0.6	0.8	8.7	
Pecos R at Red Bluff	4.1	3.4	3.3	2.3	2.0	1.4	1.2	1.0	1.2	1.2	1.6	2.1	24.6	
Delaware R nr Red Bluff	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	1.0	
GAGE HEIGHTS														
Avalon gage ht, end mo	74.80	75.30	72.80	73.30	73.60	73.20	73.00	73.30	73.80	72.99	73.80	74.70		
Avalon gage ht, avg	74.49	75.11	74.82	73.17	73.44	73.27	73.36	73.63	73.34	73.33	73.45	74.25		
Sumner Lake ga ht, end mo	54.74	55.04	50.71	49.13	46.66	41.65	37.26	33.32	32.23	30.59	37.37	43.85		
Sumner Lake gage ht, avg	54.01	55.20	52.49	49.86	48.17	44.32	38.76	35.25	32.67	31.13	34.29	40.90		
Lake S Rosa ga ht, end mo*	25.93	25.95	13.85	13.42	12.83	12.13	98.68	98.51	0.60	0.54	0.49	0.88		
Lake S Rosa ga ht, avg*	25.91	25.97	19.64	13.65	13.16	12.50	1.68	98.55	99.43	0.55	0.50	0.71		
* values are referred to 4700 foot level except Jul-Aug for end month and Aug-Sept for average level														
PRECIPITATION, INCHES														
Brantley Lake	0.00	0.03	0.00	0.00	0.00	0.73	0.79	0.67	1.61	0.56	0.00	1.47	5.86	
Las Vegas FAA AP	0.16	0.13	0.03	0.00	0.15	0.90	1.26	2.68	1.71	1.07	0.04	0.75	8.88	
Pecos National Monument	0.15	0.19	0.02	0.33	0.00	0.06	1.53	2.60	0.78	1.93	0.29	1.98	9.86	
Santa Rosa*	0.03	0.42	0.26	0.00	0.04	0.05	1.51	1.39	2.03	1.72	0.07	1.98	9.50	
Lake Santa Rosa	0.03	0.42	0.26	0.00	0.04	0.05	1.51	1.39	2.03	1.72	0.07	1.98	9.50	
Sumner Lake	0.00	0.50	0.12	0.00	0.00	0.00	0.31	0.84	0.72	1.16	0.00	2.48	6.13	
* Note: data from Santa Rosa dam was substituted for missing Santa Rosa data														
PAN EVAPORATION, INCHES														
Lake Santa Rosa	3.72	4.98	8.58	11.59	13.67	16.02	14.49	11.00	8.83	8.12	4.88	3.76	109.64	
Lake Sumner	4.88	4.45	10.54	16.16	17.94	20.81	16.55	14.27	10.67	8.44	6.14	0.94	131.79	
Brantley Lake	4.65	5.60	11.33	14.80										

4/21/2012

[illegible]

STREAMFLOW GAGING RECORDS, TAF

Pecos R b Sumner Dam	1.7	3.4	30.6	5.2	5.9	7.0	16.4	5.3	4.8	4.6	1.5	0.9	87.4
Fort Sumner Main C	0.0	2.2	3.6	4.9	4.5	4.2	4.0	4.2	4.3	4.5	0.0	0.0	36.5
Pecos R nr Artesia	4.4	3.8	22.9	5.1	2.2	1.2	7.1	1.1	0.3	0.8	1.7	3.2	53.9
Rio Penasco at Dayton	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fourmile Draw nr Lakewood	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Seven Rivers nr Lkwd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rocky Arroyo at Hwy Br nr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pecos R at Dam Site 3	1.3	1.3	4.2	10.6	8.9	9.1	9.4	4.3	3.5	1.2	1.1	1.3	56.1
Pecos bel Avalon Dam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carlsbad Main Canal	0.0	0.0	5.5	9.7	8.0	8.4	8.0	3.4	2.5	1.2	0.0	0.0	46.7
Dark Canyon at Carlsbad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pecos below Dark Canyon	1.4	1.2	1.0	1.0	0.9	0.4	0.3	0.2	0.4	0.5	0.6	0.8	8.7
Pecos R at Red Bluff	4.1	3.4	3.3	2.3	2.0	1.4	1.2	1.0	1.2	1.2	1.6	2.1	24.6
Delaware R nr Red Bluff	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	1.0

GAGE HEIGHTS

Avalon gage ht, end mo	74.80	75.30	72.80	73.30	73.60	73.20	73.00	73.30	73.80	72.99	73.80	74.70			
Avalon gage ht, avg	74.49	75.11	74.82	73.17	73.44	73.27	73.36	73.63	73.34	73.33	73.45	74.25			
Sumner Lake ga ht, end mo	54.74	55.04	50.71	49.13	46.66	41.65	37.26	33.32	32.23	30.59	37.37	43.85			
Sumner Lake gage ht, avg	54.01	55.20	52.49	49.86	48.17	44.32	38.76	35.25	32.67	31.13	34.29	40.90			
Lake S Rosa ga ht, end mo*	25.93	25.95	13.85	13.42	12.83	12.13	98.68	98.51	0.60	0.54	0.49	0.88			
Lake S Rosa ga ht, avg*	25.91	25.97	19.64	13.65	13.16	12.50	1.68	98.55	99.43	0.55	0.50	0.71			

* values are referred to 4700 foot level except Jul-Aug for end month and Aug-Sept for average level

PRECIPITATION, INCHES

Brantley Lake	0.00	0.03	0.00	0.00	0.00	0.73	0.79	0.67	1.61	0.56	0.00	1.47	5.86
Las Vegas FAA AP	0.16	0.13	0.03	0.00	0.15	0.90	1.26	2.68	1.71	1.07	0.04	0.75	8.88
Pecos National Monument	0.15	0.19	0.02	0.33	0.00	0.06	1.53	2.60	0.78	1.93	0.29	1.98	9.86
Santa Rosa*	0.03	0.42	0.26	0.00	0.04	0.05	1.51	1.39	2.03	1.72	0.07	1.98	9.50
Lake Santa Rosa	0.03	0.42	0.26	0.00	0.04	0.05	1.51	1.39	2.03	1.72	0.07	1.98	9.50
Sumner Lake	0.00	0.50	0.12	0.00	0.00	0.00	0.31	0.84	0.72	1.16	0.00	2.48	6.13

* Note: data from Santa Rosa dam was substituted for missing Santa Rosa data

PAN EVAPORATION, INCHES

Lake Santa Rosa	3.72	4.98	8.58	11.59	13.67	16.02	14.49	11.00	8.83	8.12	4.88	3.76	109.64
Lake Sumner	4.88	4.45	10.54	16.16	17.94	20.81	16.55	14.27	10.67	8.44	6.14	0.94	131.79
Brantley Lake	4.65	5.60	11.33	14.80	17.12	18.26	16.37	14.48	10.52	8.83	4.80	4.34	131.10

OTHER REPORTS

[illegible]

APPENDIX A

RIVER MASTER'S RESPONSE TO STATES' OBJECTIONS

RESPONSE TO STATES' OBJECTIONS

Final Report, Accounting Year 2012

NEW MEXICO'S OBJECTIONS

1. Table 6. Depletions Due to Santa Rosa Reservoir Operations - WY 2011 - (C.1.b)

New Mexico found an error in the Lake Sumner average area for December. This has been corrected on Table 6. The change did not affect the Preliminary Report's value for Final Calculated Departure on Table 1.

TEXAS'S OBJECTIONS

Texas did not have any objections.

FINAL CALCULATED DEPARTURE

The Preliminary Report's Final Calculated Departure was an overage of 0.5 TAF. After considering the states' objections, the Final Determination is an overage of 0.5 TAF.

Appendix B

CORRECTION TO FINAL REPORT, ACCOUNTING YEAR 2012

Corrected report

On July 20, 2011 Texas notified the River Master that a typographic error appeared in the Final Report for Accounting Year 2011. This error did not affect the Final Determination, and it is being corrected by filing this notice in the Preliminary Report and Final Report for Accounting Year 2012. Note the text below, which is a correction to the page shown from the Final Report for Accounting Year 2011.

RESPONSE TO STATES' OBJECTIONS

Final Report, Accounting Year 2011

NEW MEXICO'S OBJECTIONS

1. Table 4. Determination of flood Inflows, Carlsbad - State Line WY 2010 [B.5.]:

New Mexico found that the values in Table 4 for Delaware River flood inflows were entered incorrectly. This objection is accepted, and the revised Table 4 is included in the Final Report.

TEXAS'S OBJECTIONS

1. Table 4. Determination of flood Inflows, Carlsbad - State Line WY 2010 [B.5.]:

Texas found an error in the spreadsheet for computation of flood inflows by hydrograph scalping. The error was caused by a one-day transposition of the base flow, and Texas' objection is accepted. The River Master's computation for the revised values for the June – July – August period differed by 0.1 TAF from Texas' computation. A spreadsheet is attached with annotations to show where the changes were made.

FINAL CALCULATED DEPARTURE

The Preliminary Report's Final Calculated Departure was a shortfall of 0.5 TAF ~~an overage of 1.6 TAF~~. After considering the states' objections, the Final Determination is a shortfall of 0.5 TAF ~~an overage of 1.6 TAF~~.

