

**Report of the Colorado State Engineer**

**Concerning Accounting of the Operations  
of an Offset Account in John Martin Reservoir  
for Colorado Pumping**

**2001**

Submitted to the  
Operations Committee  
Arkansas River Compact Administration

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- March 29, 2001 Letter to Mark Rude regarding Initial Notice of Offset Account Transfer for LAWMA for the 2001 storage charge and consumptive use and return flow water (also included are e-mail and fax communications with Mr. Rude and Mr. Pope).
- April 16, 2001 letter to David Pope regarding Notice of Transfer of XY Article II water to the Offset Account on March 31, 2001.
- May 3, 2001 e-mail correspondence with Mark Rude concerning disposition of XY Return Flow and Return Flow Transit Loss water.
- June 20, 2001 e-mail from Mark Rude confirming previous telephonic request for release of Offset Account water on June 18, 2001.
- August 10, 2001 Letter to Mark Rude regarding Initial Notice of Offset Account Transfer for LAWMA for consumptive use and return flow water (also included are e-mail and fax communications with Mr. Rude and Mr. Pope).
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- November 15, 2001 letter to David Pope regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for May – October, 2001.

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December 1, 2001

## Report of the Colorado State Engineer

### Offset Account Operations

November 1, 2000 to October 31, 2001

An Offset Account in John Martin Reservoir was authorized by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping** dated March 17, 1997 ("Resolution") and by the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Amended Resolution").

This report summarizes the operations conducted using the Offset Account for the period November 1, 2000 through October 31, 2001 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2000 the Offset Account contained 1059.10 acre-feet. From November 1, 2000 through October 31, 2001 there were deliveries to and releases from the Offset Account as summarized in the tables below. On March 31, 2001, 500 acre-feet of fully consumable water was delivered to the Offset Account to satisfy the Storage Charge prerequisite for using the account for another year. Copies of the correspondence describing this delivery are included in Section 3.

In Section 1, a monthly summary of the contents of the Offset Account is provided in Table 1. A summary of the subaccounts of the Offset Account is provided in Tables A through B.2. The outline preceding the tables in Section 1 provides an explanation of the purpose of each subaccount.

Section 2 of this report contains the daily accounting records, by month, for all subaccounts in the Offset Account.

From November 1, 2000 through October 31, 2001, there were three deliveries of water to the Offset Account, including the delivery of 500 acre-feet of fully consumable water to satisfy the Storage Charge. These deliveries are summarized in the following table.

Source	Delivery End Date	Amount to Offset Account (ac-ft)	Net Consumable Water (ac-ft)	Net Return Flow Water (ac-ft)
LAWMA (Article II)	March 31, 2001	1688.11	1000.00	688.11
LAWMA (Article II)	August 10, 2001	1100.98	500.00	600.98
LAWMA (Highland Canal Shares)	October 31, 2001	1,928.85	1,928.85	0.00
<b>TOTALS</b>		<b>4,717.94</b>	<b>3,428.85</b>	<b>1289.09</b>

During the period referred to above, there was one release of water from the Offset Account requested by the Kansas Chief Engineer. The release is summarized as follows:

Summary of Release (June 18, 2001 – June 21, 2001)  
(From August 31, 2001 letter in Section 3)

Release from Kansas Storage Charge subaccount = 467.10 acre-feet

Release from Kansas Consumable Water subaccount =  
 $330.58+991.74+146.31 = 1468.63$  acre-feet

Release from Colorado Downstream Consumable Water subaccount =  
 $378.33+345.84 = 724.17$  acre-feet

Total quantity released = 2659.90 acre-feet

Credit for Colorado Consumptive Use Water

$0.8194 \times 724.17$  (Consumptive Use Water) = 593.38 acre-feet credit

Section 3 of this report provides copies of the letters reporting each delivery of water to the Offset Account as required by paragraph 3 of the Amended Resolution and copies of the letters reporting each release of water from the Offset Account.

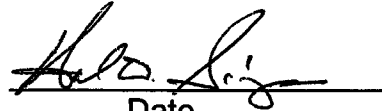
Section 4 of this report provides copies of the monthly letters reporting Colorado pumping and Offset Account operations that were prepared and submitted in accordance with paragraph 12 of the Amended Resolution.

At 2400 hours, October 31, 2001 the Offset Account contained 2687.39 acre-feet.

The Colorado State Engineer and the Kansas Chief Engineer have coordinated Offset Account operations successfully through their respective delegates throughout the year. Colorado continues to solicit suggestions and desires to fully discuss any measures that might have the effect of minimizing Kansas' cost of monitoring use of the

Offset Account to facilitate Compact compliance.

Hal D. Simpson  
Colorado State Engineer

  
Date

## **SECTION 1**

## **Outline of Tables**

### **Offset Account (Table 1)**

Contains a monthly summary of the total contents of the Offset Account.

### **A. Consumable Water (Table A)**

#### **1. Colorado Upstream Consumable Water (Table A.1.)**

Contains a monthly summary of the water stored under the provisions of paragraph 6 of the Amended Resolution.

#### **2. Colorado Downstream Consumable Water (Table A.2.)**

Contains a monthly summary of the consumptive use water stored by Colorado users which has not yet been made available to replace depletions to usable stateline flow and therefore has not been transferred to Kansas as provided for in paragraph 5.B. of the Amended Resolution.

#### **3. Kansas Consumable Water (Table A.3.)**

Contains a monthly summary of the consumptive use water that has been made available to replace depletions to usable stateline flow and has therefore been transferred as provided for in paragraph 5.B. of the Amended Resolution.

#### **4. Kansas Storage Charge (Table A.4.)**

Contains a monthly summary of the consumptive use water delivered to the Offset Account under the provisions of paragraph 9 of the Amended Resolution.

### **B. Return Flow Water (Table B)**

#### **1. Return Flow Water (Table B.1.)**

Contains a monthly summary of the return flow water which must be either released to the river or transferred to the Kansas Consumable Water account to maintain the return flows to Colorado water users and stateline flows because of deliveries of water historically used for irrigation to the offset account.

#### **2. Return Flow Transit Loss Water (Table B.2)**

Contains a monthly summary of transit loss water necessary to deliver return flow water to Colorado water users or the stateline which must either be released with return flows or transferred to the Kansas Consumable Water account to maintain historic return flows.

**JOHN MARTIN RESERVOIR**

**TABLE 1  
OFFSET ACCOUNT**

WATER YEAR 2001	CONTENTS BEGINNING OF	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN	EVAPORATION	ACCOUNT TRANSFER-OUT	PHYSICAL RELEASE	CONTENTS END OF
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	1059.10	40.67	0.00	9.34	0.00	0.00	1090.43
DECEMBER	1090.43	0.00	0.00	6.12	0.00	0.00	1084.31
JANUARY	1084.31	0.00	0.00	2.37	0.00	0.00	1081.94
FEBRUARY	1081.94	0.00	779.20	3.69	779.20	0.00	1078.25
MARCH	1078.25	0.00	1963.11	15.06	275.00	0.00	2751.30
APRIL	2751.30	0.00	43.15	74.11	43.15	0.00	2677.19
MAY	2677.19	539.76	57.13	64.36	57.13	0.00	3152.59
JUNE	3152.59	107.74	399.35	61.52	399.35	2659.90	538.91
JULY	538.91	510.58	413.98	28.71	413.98	0.00	1020.78
AUGUST	1020.78	116.60	1213.94	72.43	112.96	0.00	2165.93
SEPTEMBER	2165.93	453.49	95.75	69.70	95.75	0.00	2549.72
OCTOBER	2549.72	200.68	86.32	63.01	86.32	0.00	2687.39
<b>TOTALS</b>		1969.52	5051.93	470.42	2262.84	2659.90	



**OFFSET ACCOUNT**

**TABLE A  
CONSUMABLE WATER**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	1059.10	40.67	0.00	9.34	0.00	0.00	1090.43
DECEMBER	1090.43	0.00	0.00	6.12	0.00	0.00	1084.31
JANUARY	1084.31	0.00	0.00	2.37	0.00	0.00	1081.94
FEBRUARY	1081.94	0.00	779.20	3.69	779.20	0.00	1078.25
MARCH	1078.25	0.00	1275.00	15.06	275.00	0.00	2063.19
APRIL	2063.19	0.00	43.15	55.60	0.00	0.00	2050.74
MAY	2050.74	539.76	57.13	50.03	0.00	0.00	2597.60
JUNE	2597.60	107.74	399.35	45.44	399.35	2659.90	0.00
JULY	0.00	510.58	413.98	8.96	278.00	0.00	637.60
AUGUST	637.60	116.60	612.96	41.96	0.00	0.00	1325.20
SEPTEMBER	1325.20	453.49	95.75	42.97	0.00	0.00	1831.47
OCTOBER	1831.47	200.68	86.32	45.73	0.00	0.00	2072.74
<b>TOTALS</b>		1969.52	3762.84	327.27	1731.55	2659.90	

**TABLE B  
RETURN FLOW WATER**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	688.11	0.00	0.00	0.00	688.11
APRIL	688.11	0.00	0.00	18.51	43.15	0.00	626.45
MAY	626.45	0.00	0.00	14.33	57.13	0.00	554.99
JUNE	554.99	0.00	0.00	16.08	0.00	0.00	538.91
JULY	538.91	0.00	0.00	19.75	135.98	0.00	383.18
AUGUST	383.18	0.00	600.98	30.47	112.96	0.00	840.73
SEPTEMBER	840.73	0.00	0.00	26.73	95.75	0.00	718.25
OCTOBER	718.25	0.00	0.00	17.28	86.32	0.00	614.65
<b>TOTALS</b>		0.00	1289.09	143.15	531.29	0.00	

**OFFSET ACCOUNT**

**TABLE A.1.  
CONSUMABLE WATER  
COLORADO UPSTREAM**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
APRIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JUNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTALS</b>		0.00	0.00	0.00	0.00	0.00	

**TABLE A.2.  
CONSUMABLE WATER  
COLORADO DOWNSTREAM**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	1059.10	40.67	0.00	9.34	0.00	0.00	1090.43
DECEMBER	1090.43	0.00	0.00	6.12	0.00	0.00	1084.31
JANUARY	1084.31	0.00	0.00	2.37	0.00	0.00	1081.94
FEBRUARY	1081.94	0.00	0.00	1.85	779.20	0.00	300.89
MARCH	300.89	0.00	500.00	2.68	275.00	0.00	523.21
APRIL	523.21	0.00	0.00	14.11	0.00	0.00	509.10
MAY	509.10	539.76	0.00	14.69	0.00	0.00	1034.17
JUNE	1034.17	107.74	0.00	18.39	399.35	724.17	0.00
JULY	0.00	510.58	0.00	3.60	278.00	0.00	228.98
AUGUST	228.98	116.60	500.00	25.95	0.00	0.00	819.63
SEPTEMBER	819.63	453.49	0.00	27.46	0.00	0.00	1245.66
OCTOBER	1245.66	200.68	0.00	31.64	0.00	0.00	1414.70
<b>TOTALS</b>		1969.52		158.20		724.17	

**OFFSET ACCOUNT**

**TABLE A.3.  
CONSUMABLE WATER  
KANSAS**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	779.20	1.84	0.00	0.00	777.36
MARCH	777.36	0.00	275.00	12.38	0.00	0.00	1039.98
APRIL	1039.98	0.00	43.15	28.01	0.00	0.00	1055.12
MAY	1055.12	0.00	57.13	24.20	0.00	0.00	1088.05
JUNE	1088.05	0.00	399.35	18.77	1468.63	0.00	0.00
JULY	0.00	0.00	413.98	5.36	0.00	0.00	408.62
AUGUST	408.62	0.00	112.96	16.01	0.00	0.00	505.57
SEPTEMBER	505.57	0.00	95.75	15.51	0.00	0.00	585.81
OCTOBER	585.81	0.00	86.32	14.09	0.00	0.00	658.04
<b>TOTALS</b>		0.00	2262.84	136.17	1468.63	0.00	

**TABLE A.4.  
CONSUMABLE WATER  
KANSAS STORAGE CHARGE**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	500.00	0.00	0.00	0.00	500.00
APRIL	500.00	0.00	0.00	13.48	0.00	0.00	486.52
MAY	486.52	0.00	0.00	11.14	0.00	0.00	475.38
JUNE	475.38	0.00	0.00	8.28	467.10	0.00	0.00
JULY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTALS</b>		0.00	500.00	32.90	467.10	0.00	

**OFFSET ACCOUNT**

**TABLE B.1  
RETURN FLOW**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	519.30	0.00	0.00	0.00	519.30
APRIL	519.30	0.00	0.00	13.98	35.67	0.00	469.65
MAY	469.65	0.00	0.00	10.76	47.23	0.00	411.66
JUNE	411.66	0.00	0.00	11.92	0.00	0.00	399.74
JULY	399.74	0.00	0.00	14.41	112.41	0.00	272.92
AUGUST	272.92	0.00	490.90	23.30	95.05	0.00	645.47
SEPTEMBER	645.47	0.00	0.00	20.51	80.58	0.00	544.38
OCTOBER	544.38	0.00	0.00	13.11	72.63	0.00	458.64
<b>TOTALS</b>		0.00	1010.20	107.99	443.57	0.00	

**TABLE B.2  
RETURN FLOW  
TRANSIT LOSS**

WATER YEAR 2001	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECEMBER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JANUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FEBRUARY	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MARCH	0.00	0.00	168.81	0.00	0.00	0.00	168.81
APRIL	168.81	0.00	0.00	4.53	7.48	0.00	156.80
MAY	156.80	0.00	0.00	3.57	9.90	0.00	143.33
JUNE	143.33	0.00	0.00	4.16	0.00	0.00	139.17
JULY	139.17	0.00	0.00	5.34	23.57	0.00	110.26
AUGUST	110.26	0.00	110.08	7.17	17.91	0.00	195.26
SEPTEMBER	195.26	0.00	0.00	6.22	15.17	0.00	173.87
OCTOBER	173.87	0.00	0.00	4.17	13.69	0.00	156.01
<b>TOTALS</b>		0.00	278.89	35.16	87.72	0.00	

## **SECTION 2**

<b>OffsetAccount-Totals</b>							<b>OffsetAccount-Consumable Upstream</b>						<b>OffsetAccount-Consumable Kansas</b>							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1059.10							0.00							0.00
1	40.67	0.00	0.00	0.00	0.61	1099.16	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.50	1098.66	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.29	1098.37	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.30	1098.07	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.30	1097.77	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.30	1097.47	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.30	1097.17	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.30	1096.87	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.30	1096.57	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.30	1096.27	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.30	1095.97	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.30	1095.67	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.30	1095.37	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.29	1095.08	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.29	1094.79	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.29	1094.50	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.29	1094.21	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.29	1093.92	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.29	1093.63	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.29	1093.34	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.30	1093.04	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.29	1092.75	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.29	1092.46	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.29	1092.17	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.29	1091.88	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.29	1091.59	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.29	1091.30	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.29	1091.01	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.29	1090.72	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.29	1090.43	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
<b>Totals</b>							<b>Totals</b>						<b>Totals</b>							
	40.67	0.00	0.00	0.00	9.34			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	

























OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						688.11							168.81
1	0.00	0.00	0.00	0.00	0.32	687.79	1	0.00	0.00	0.00	0.00	0.08	168.73
2	0.00	0.00	0.00	0.00	0.28	687.51	2	0.00	0.00	0.00	0.00	0.07	168.66
3	0.00	0.00	0.00	0.00	0.42	687.09	3	0.00	0.00	0.00	0.00	0.10	168.56
4	0.00	0.00	0.00	0.00	0.28	686.81	4	0.00	0.00	0.00	0.00	0.07	168.49
5	0.00	0.00	0.00	0.00	0.50	686.31	5	0.00	0.00	0.00	0.00	0.12	168.37
6	0.00	0.00	0.00	0.00	0.90	685.41	6	0.00	0.00	0.00	0.00	0.22	168.15
7	0.00	0.00	0.00	0.00	0.90	684.51	7	0.00	0.00	0.00	0.00	0.22	167.93
8	0.00	0.00	0.00	0.00	0.89	683.62	8	0.00	0.00	0.00	0.00	0.22	167.71
9	0.00	0.00	0.00	0.00	0.42	683.20	9	0.00	0.00	0.00	0.00	0.10	167.61
10	0.00	0.00	0.00	0.00	1.52	681.68	10	0.00	0.00	0.00	0.00	0.37	167.24
11	0.00	0.00	0.00	0.00	0.86	680.82	11	0.00	0.00	0.00	0.00	0.21	167.03
12	0.00	0.00	0.00	0.00	0.21	680.61	12	0.00	0.00	0.00	0.00	0.05	166.98
13	0.00	0.00	0.00	0.00	0.44	680.17	13	0.00	0.00	0.00	0.00	0.11	166.87
14	0.00	0.00	0.00	0.00	0.45	679.72	14	0.00	0.00	0.00	0.00	0.11	166.76
15	0.00	0.00	0.00	0.00	0.44	679.28	15	0.00	0.00	0.00	0.00	0.11	166.65
16	0.00	0.00	0.00	0.00	0.16	679.12	16	0.00	0.00	0.00	0.00	0.04	166.61
17	0.00	0.00	0.00	0.00	0.32	678.80	17	0.00	0.00	0.00	0.00	0.08	166.53
18	0.00	0.00	0.00	0.00	0.54	678.26	18	0.00	0.00	0.00	0.00	0.13	166.40
19	0.00	0.00	0.00	0.00	0.94	677.32	19	0.00	0.00	0.00	0.00	0.23	166.17
20	0.00	0.00	0.00	0.00	0.73	676.59	20	0.00	0.00	0.00	0.00	0.18	165.99
21	0.00	0.00	0.00	0.00	0.74	675.85	21	0.00	0.00	0.00	0.00	0.18	165.81
22	0.00	0.00	0.00	0.00	0.74	675.11	22	0.00	0.00	0.00	0.00	0.18	165.63
23	0.00	0.00	0.00	0.00	0.33	674.78	23	0.00	0.00	0.00	0.00	0.08	165.55
24	0.00	0.00	0.00	0.00	0.57	674.21	24	0.00	0.00	0.00	0.00	0.14	165.41
25	0.00	0.00	0.00	0.00	0.65	673.56	25	0.00	0.00	0.00	0.00	0.16	165.25
26	0.00	0.00	0.00	0.00	0.60	672.96	26	0.00	0.00	0.00	0.00	0.15	165.10
27	0.00	0.00	0.00	0.00	0.95	672.01	27	0.00	0.00	0.00	0.00	0.23	164.87
28	0.00	0.00	0.00	0.00	0.94	671.07	28	0.00	0.00	0.00	0.00	0.23	164.64
29	0.00	0.00	0.00	0.00	0.94	670.13	29	0.00	0.00	0.00	0.00	0.23	164.41
30	0.00	0.00	43.15	0.00	0.53	626.45	30	0.00	0.00	7.48	0.00	0.13	156.80
	0.00	0.00	43.15	0.00	18.51			0.00	0.00	7.48	0.00	4.53	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						519.30							0.00
1	0.00	0.00	0.00	0.00	0.24	519.06	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.21	518.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.32	518.53	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.21	518.32	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.38	517.94	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.68	517.26	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.68	516.58	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.67	515.91	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.32	515.59	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.15	514.44	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.65	513.79	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.16	513.63	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.33	513.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.34	512.96	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.33	512.63	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.12	512.51	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.24	512.27	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.41	511.86	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.71	511.15	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.55	510.60	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.56	510.04	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.56	509.48	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.25	509.23	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.43	508.80	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.49	508.31	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.45	507.86	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.72	507.14	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.71	506.43	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.71	505.72	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	35.67	0.00	0.40	469.65	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	35.67	0.00	13.98			0.00	0.00	0.00	0.00	0.00	



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transitt Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						626.45							156.80
1	0.00	0.00	0.00	0.00	0.77	625.68	1	0.00	0.00	0.00	0.00	0.19	156.61
2	0.00	0.00	0.00	0.00	0.29	625.39	2	0.00	0.00	0.00	0.00	0.07	156.54
3	0.00	0.00	0.00	0.00	0.17	625.22	3	0.00	0.00	0.00	0.00	0.04	156.50
4	0.00	0.00	0.00	0.00	0.17	625.05	4	0.00	0.00	0.00	0.00	0.04	156.46
5	0.00	0.00	0.00	0.00	0.17	624.88	5	0.00	0.00	0.00	0.00	0.04	156.42
6	0.00	0.00	0.00	0.00	0.17	624.71	6	0.00	0.00	0.00	0.00	0.04	156.38
7	0.00	0.00	0.00	0.00	0.31	624.40	7	0.00	0.00	0.00	0.00	0.08	156.30
8	0.00	0.00	0.00	0.00	0.37	624.03	8	0.00	0.00	0.00	0.00	0.09	156.21
9	0.00	0.00	0.00	0.00	0.64	623.39	9	0.00	0.00	0.00	0.00	0.16	156.05
10	0.00	0.00	0.00	0.00	0.52	622.87	10	0.00	0.00	0.00	0.00	0.13	155.92
11	0.00	0.00	0.00	0.00	0.63	622.24	11	0.00	0.00	0.00	0.00	0.16	155.76
12	0.00	0.00	0.00	0.00	0.63	621.61	12	0.00	0.00	0.00	0.00	0.16	155.60
13	0.00	0.00	0.00	0.00	0.64	620.97	13	0.00	0.00	0.00	0.00	0.16	155.44
14	0.00	0.00	0.00	0.00	0.64	620.33	14	0.00	0.00	0.00	0.00	0.16	155.28
15	0.00	0.00	0.00	0.00	0.81	619.52	15	0.00	0.00	0.00	0.00	0.20	155.08
16	0.00	0.00	0.00	0.00	0.64	618.88	16	0.00	0.00	0.00	0.00	0.16	154.92
17	0.00	0.00	0.00	0.00	0.37	618.51	17	0.00	0.00	0.00	0.00	0.09	154.83
18	0.00	0.00	0.00	0.00	0.37	618.14	18	0.00	0.00	0.00	0.00	0.09	154.74
19	0.00	0.00	0.00	0.00	0.36	617.78	19	0.00	0.00	0.00	0.00	0.09	154.65
20	0.00	0.00	0.00	0.00	0.36	617.42	20	0.00	0.00	0.00	0.00	0.09	154.56
21	0.00	0.00	0.00	0.00	0.53	616.89	21	0.00	0.00	0.00	0.00	0.13	154.43
22	0.00	0.00	0.00	0.00	0.43	616.46	22	0.00	0.00	0.00	0.00	0.11	154.32
23	0.00	0.00	0.00	0.00	0.53	615.93	23	0.00	0.00	0.00	0.00	0.13	154.19
24	0.00	0.00	0.00	0.00	0.71	615.22	24	0.00	0.00	0.00	0.00	0.18	154.01
25	0.00	0.00	0.00	0.00	0.48	614.74	25	0.00	0.00	0.00	0.00	0.12	153.89
26	0.00	0.00	0.00	0.00	0.48	614.26	26	0.00	0.00	0.00	0.00	0.12	153.77
27	0.00	0.00	0.00	0.00	0.47	613.79	27	0.00	0.00	0.00	0.00	0.12	153.65
28	0.00	0.00	0.00	0.00	0.48	613.31	28	0.00	0.00	0.00	0.00	0.12	153.53
29	0.00	0.00	0.00	0.00	0.28	613.03	29	0.00	0.00	0.00	0.00	0.07	153.46
30	0.00	0.00	0.00	0.00	0.39	612.64	30	0.00	0.00	0.00	0.00	0.10	153.36
31	0.00	0.00	57.13	0.00	0.52	554.99	31	0.00	0.00	9.90	0.00	0.13	143.33
	0.00	0.00	57.13	0.00	14.33			0.00	0.00	9.90	0.00	3.57	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						469.65							0.00
1	0.00	0.00	0.00	0.00	0.58	469.07	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.22	468.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.13	468.72	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.13	468.59	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.13	468.46	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.13	468.33	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.23	468.10	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.28	467.82	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.48	467.34	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.39	466.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.47	466.48	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.47	466.01	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.48	465.53	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.48	465.05	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.61	464.44	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.48	463.96	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.28	463.68	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.28	463.40	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.27	463.13	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.27	462.86	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.40	462.46	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	462.14	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.40	461.74	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.53	461.21	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.36	460.85	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.36	460.49	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.35	460.14	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.36	459.78	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.21	459.57	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.29	459.28	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	47.23	0.00	0.39	411.66	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	47.23	0.00	10.76			0.00	0.00	0.00	0.00	0.00	



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF TransIt Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						554.99							143.33
1	0.00	0.00	0.00	0.00	0.44	554.55	1	0.00	0.00	0.00	0.00	0.11	143.22
2	0.00	0.00	0.00	0.00	0.45	554.10	2	0.00	0.00	0.00	0.00	0.12	143.10
3	0.00	0.00	0.00	0.00	0.43	553.67	3	0.00	0.00	0.00	0.00	0.11	142.99
4	0.00	0.00	0.00	0.00	0.34	553.33	4	0.00	0.00	0.00	0.00	0.09	142.90
5	0.00	0.00	0.00	0.00	0.27	553.06	5	0.00	0.00	0.00	0.00	0.07	142.83
6	0.00	0.00	0.00	0.00	0.34	552.72	6	0.00	0.00	0.00	0.00	0.09	142.74
7	0.00	0.00	0.00	0.00	0.34	552.38	7	0.00	0.00	0.00	0.00	0.09	142.65
8	0.00	0.00	0.00	0.00	0.46	551.92	8	0.00	0.00	0.00	0.00	0.12	142.53
9	0.00	0.00	0.00	0.00	0.46	551.46	9	0.00	0.00	0.00	0.00	0.12	142.41
10	0.00	0.00	0.00	0.00	0.46	551.00	10	0.00	0.00	0.00	0.00	0.12	142.29
11	0.00	0.00	0.00	0.00	0.47	550.53	11	0.00	0.00	0.00	0.00	0.12	142.17
12	0.00	0.00	0.00	0.00	0.66	549.87	12	0.00	0.00	0.00	0.00	0.17	142.00
13	0.00	0.00	0.00	0.00	0.72	549.15	13	0.00	0.00	0.00	0.00	0.19	141.81
14	0.00	0.00	0.00	0.00	0.40	548.75	14	0.00	0.00	0.00	0.00	0.10	141.71
15	0.00	0.00	0.00	0.00	0.61	548.14	15	0.00	0.00	0.00	0.00	0.16	141.55
16	0.00	0.00	0.00	0.00	0.62	547.52	16	0.00	0.00	0.00	0.00	0.16	141.39
17	0.00	0.00	0.00	0.00	0.62	546.90	17	0.00	0.00	0.00	0.00	0.16	141.23
18	0.00	0.00	0.00	0.00	0.74	546.16	18	0.00	0.00	0.00	0.00	0.19	141.04
19	0.00	0.00	0.00	0.00	0.40	545.76	19	0.00	0.00	0.00	0.00	0.10	140.94
20	0.00	0.00	0.00	0.00	0.43	545.33	20	0.00	0.00	0.00	0.00	0.11	140.83
21	0.00	0.00	0.00	0.00	0.35	544.98	21	0.00	0.00	0.00	0.00	0.09	140.74
22	0.00	0.00	0.00	0.00	0.61	544.37	22	0.00	0.00	0.00	0.00	0.16	140.58
23	0.00	0.00	0.00	0.00	0.61	543.76	23	0.00	0.00	0.00	0.00	0.16	140.42
24	0.00	0.00	0.00	0.00	0.61	543.15	24	0.00	0.00	0.00	0.00	0.16	140.26
25	0.00	0.00	0.00	0.00	0.61	542.54	25	0.00	0.00	0.00	0.00	0.16	140.10
26	0.00	0.00	0.00	0.00	0.85	541.69	26	0.00	0.00	0.00	0.00	0.22	139.88
27	0.00	0.00	0.00	0.00	0.70	540.99	27	0.00	0.00	0.00	0.00	0.18	139.70
28	0.00	0.00	0.00	0.00	0.66	540.33	28	0.00	0.00	0.00	0.00	0.17	139.53
29	0.00	0.00	0.00	0.00	0.71	539.62	29	0.00	0.00	0.00	0.00	0.18	139.35
30	0.00	0.00	0.00	0.00	0.71	538.91	30	0.00	0.00	0.00	0.00	0.18	139.17
	0.00	0.00	0.00	0.00	16.08			0.00	0.00	0.00	0.00	4.16	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						411.66							0.00
1	0.00	0.00	0.00	0.00	0.33	411.33	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.33	411.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.32	410.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.25	410.43	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.20	410.23	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.25	409.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.25	409.73	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.34	409.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.34	409.05	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.34	408.71	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.35	408.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.49	407.87	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.53	407.34	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.30	407.04	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	406.59	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	406.13	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.46	405.67	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.55	405.12	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.30	404.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.32	404.50	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.26	404.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.45	403.79	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.45	403.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	402.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.45	402.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.63	401.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.52	401.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.49	400.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	400.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.53	399.74	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	11.92			0.00	0.00	0.00	0.00	0.00	



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						538.91							139.17
1	0.00	0.00	65.20	0.00	0.73	472.98	1	0.00	0.00	11.30	0.00	0.19	127.68
2	0.00	0.00	0.00	0.00	0.62	472.36	2	0.00	0.00	0.00	0.00	0.17	127.51
3	0.00	0.00	0.00	0.00	0.63	471.73	3	0.00	0.00	0.00	0.00	0.17	127.34
4	0.00	0.00	0.00	0.00	0.64	471.09	4	0.00	0.00	0.00	0.00	0.17	127.17
5	0.00	0.00	0.00	0.00	0.58	470.51	5	0.00	0.00	0.00	0.00	0.16	127.01
6	0.00	0.00	0.00	0.00	0.74	469.77	6	0.00	0.00	0.00	0.00	0.20	126.81
7	0.00	0.00	0.00	0.00	0.74	469.03	7	0.00	0.00	0.00	0.00	0.20	126.61
8	0.00	0.00	0.00	0.00	0.75	468.28	8	0.00	0.00	0.00	0.00	0.20	126.41
9	0.00	0.00	0.00	0.00	0.63	467.65	9	0.00	0.00	0.00	0.00	0.17	126.24
10	0.00	0.00	0.00	0.00	0.63	467.02	10	0.00	0.00	0.00	0.00	0.17	126.07
11	0.00	0.00	0.00	0.00	0.63	466.39	11	0.00	0.00	0.00	0.00	0.17	125.90
12	0.00	0.00	0.00	0.00	0.71	465.68	12	0.00	0.00	0.00	0.00	0.19	125.71
13	0.00	0.00	0.00	0.00	0.92	464.76	13	0.00	0.00	0.00	0.00	0.25	125.46
14	0.00	0.00	0.00	0.00	0.93	463.83	14	0.00	0.00	0.00	0.00	0.25	125.21
15	0.00	0.00	0.00	0.00	0.93	462.90	15	0.00	0.00	0.00	0.00	0.25	124.96
16	0.00	0.00	0.00	0.00	0.63	462.27	16	0.00	0.00	0.00	0.00	0.17	124.79
17	0.00	0.00	0.00	0.00	0.40	461.87	17	0.00	0.00	0.00	0.00	0.11	124.68
18	0.00	0.00	0.00	0.00	0.58	461.29	18	0.00	0.00	0.00	0.00	0.16	124.52
19	0.00	0.00	0.00	0.00	0.43	460.86	19	0.00	0.00	0.00	0.00	0.12	124.40
20	0.00	0.00	0.00	0.00	0.59	460.27	20	0.00	0.00	0.00	0.00	0.16	124.24
21	0.00	0.00	0.00	0.00	0.60	459.67	21	0.00	0.00	0.00	0.00	0.16	124.08
22	0.00	0.00	0.00	0.00	0.60	459.07	22	0.00	0.00	0.00	0.00	0.16	123.92
23	0.00	0.00	0.00	0.00	0.59	458.48	23	0.00	0.00	0.00	0.00	0.16	123.76
24	0.00	0.00	0.00	0.00	0.58	457.90	24	0.00	0.00	0.00	0.00	0.16	123.60
25	0.00	0.00	0.00	0.00	0.51	457.39	25	0.00	0.00	0.00	0.00	0.14	123.46
26	0.00	0.00	0.00	0.00	0.51	456.88	26	0.00	0.00	0.00	0.00	0.14	123.32
27	0.00	0.00	0.00	0.00	0.48	456.40	27	0.00	0.00	0.00	0.00	0.13	123.19
28	0.00	0.00	0.00	0.00	0.48	455.92	28	0.00	0.00	0.00	0.00	0.13	123.06
29	0.00	0.00	0.00	0.00	0.48	455.44	29	0.00	0.00	0.00	0.00	0.13	122.93
30	0.00	0.00	0.00	0.00	0.89	454.55	30	0.00	0.00	0.00	0.00	0.24	122.69
31	0.00	0.00	70.78	0.00	0.59	383.18	31	0.00	0.00	12.27	0.00	0.16	110.26
	0.00	0.00	135.98	0.00	19.75			0.00	0.00	23.57	0.00	5.34	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						399.74							0.00
1	0.00	0.00	53.90	0.00	0.54	345.30	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.45	344.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.46	344.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.47	343.92	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.42	343.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.54	342.96	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.54	342.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.55	341.87	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.46	341.41	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.46	340.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.46	340.49	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.52	339.97	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.67	339.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.68	338.62	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.68	337.94	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	337.48	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.29	337.19	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.42	336.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.31	336.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.43	336.03	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.44	335.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.44	335.15	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.43	334.72	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.42	334.30	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.37	333.93	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	333.56	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.35	333.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.35	332.86	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.35	332.51	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	331.86	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	58.51	0.00	0.43	272.92	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	112.41	0.00	14.41			0.00	0.00	0.00	0.00	0.00	





OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						383.18							110.26
1	0.00	0.00	0.00	0.00	0.56	382.62	1	0.00	0.00	0.00	0.00	0.16	110.10
2	0.00	0.00	0.00	0.00	0.32	382.30	2	0.00	0.00	0.00	0.00	0.09	110.01
3	0.00	0.00	0.00	0.00	0.61	381.69	3	0.00	0.00	0.00	0.00	0.18	109.83
4	0.00	0.00	0.00	0.00	0.62	381.07	4	0.00	0.00	0.00	0.00	0.18	109.65
5	0.00	0.00	0.00	0.00	0.62	380.45	5	0.00	0.00	0.00	0.00	0.18	109.47
6	0.00	0.00	0.00	0.00	0.53	379.92	6	0.00	0.00	0.00	0.00	0.15	109.32
7	0.00	0.00	0.00	0.00	0.45	379.47	7	0.00	0.00	0.00	0.00	0.13	109.19
8	0.00	0.00	0.00	0.00	0.58	378.89	8	0.00	0.00	0.00	0.00	0.17	109.02
9	0.00	0.00	0.00	0.00	0.34	378.55	9	0.00	0.00	0.00	0.00	0.10	108.92
10	0.00	600.98	0.00	0.00	0.63	978.90	10	0.00	110.08	0.00	0.00	0.18	218.82
11	0.00	0.00	0.00	0.00	1.65	977.25	11	0.00	0.00	0.00	0.00	0.37	218.45
12	0.00	0.00	0.00	0.00	1.66	975.59	12	0.00	0.00	0.00	0.00	0.37	218.08
13	0.00	0.00	0.00	0.00	1.42	974.17	13	0.00	0.00	0.00	0.00	0.32	217.76
14	0.00	0.00	0.00	0.00	1.07	973.10	14	0.00	0.00	0.00	0.00	0.24	217.52
15	0.00	0.00	0.00	0.00	0.82	972.28	15	0.00	0.00	0.00	0.00	0.18	217.34
16	0.00	0.00	0.00	0.00	0.89	971.39	16	0.00	0.00	0.00	0.00	0.20	217.14
17	0.00	0.00	0.00	0.00	1.02	970.37	17	0.00	0.00	0.00	0.00	0.23	216.91
18	0.00	0.00	0.00	0.00	1.02	969.35	18	0.00	0.00	0.00	0.00	0.23	216.68
19	0.00	0.00	0.00	0.00	1.02	968.33	19	0.00	0.00	0.00	0.00	0.23	216.45
20	0.00	0.00	0.00	0.00	1.51	966.82	20	0.00	0.00	0.00	0.00	0.34	216.11
21	0.00	0.00	0.00	0.00	1.18	965.64	21	0.00	0.00	0.00	0.00	0.26	215.85
22	0.00	0.00	0.00	0.00	1.34	964.30	22	0.00	0.00	0.00	0.00	0.30	215.55
23	0.00	0.00	0.00	0.00	1.12	963.18	23	0.00	0.00	0.00	0.00	0.25	215.30
24	0.00	0.00	0.00	0.00	0.99	962.19	24	0.00	0.00	0.00	0.00	0.22	215.08
25	0.00	0.00	0.00	0.00	0.95	961.24	25	0.00	0.00	0.00	0.00	0.21	214.87
26	0.00	0.00	0.00	0.00	0.97	960.27	26	0.00	0.00	0.00	0.00	0.22	214.65
27	0.00	0.00	0.00	0.00	1.78	958.49	27	0.00	0.00	0.00	0.00	0.40	214.25
28	0.00	0.00	0.00	0.00	1.55	956.94	28	0.00	0.00	0.00	0.00	0.35	213.90
29	0.00	0.00	0.00	0.00	1.30	955.64	29	0.00	0.00	0.00	0.00	0.29	213.61
30	0.00	0.00	0.00	0.00	0.97	954.67	30	0.00	0.00	0.00	0.00	0.22	213.39
31	0.00	0.00	112.96	0.00	0.98	840.73	31	0.00	0.00	17.91	0.00	0.22	195.26
	0.00	600.98	112.96	0.00	30.47			0.00	110.08	17.91	0.00	7.17	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						840.73							195.26
1	0.00	0.00	0.00	0.00	0.97	839.76	1	0.00	0.00	0.00	0.00	0.22	195.04
2	0.00	0.00	0.00	0.00	0.98	838.78	2	0.00	0.00	0.00	0.00	0.22	194.82
3	0.00	0.00	0.00	0.00	1.01	837.77	3	0.00	0.00	0.00	0.00	0.23	194.59
4	0.00	0.00	0.00	0.00	1.50	836.27	4	0.00	0.00	0.00	0.00	0.35	194.24
5	0.00	0.00	0.00	0.00	1.33	834.94	5	0.00	0.00	0.00	0.00	0.31	193.93
6	0.00	0.00	0.00	0.00	1.16	833.78	6	0.00	0.00	0.00	0.00	0.27	193.66
7	0.00	0.00	0.00	0.00	0.48	833.30	7	0.00	0.00	0.00	0.00	0.11	193.55
8	0.00	0.00	0.00	0.00	0.47	832.83	8	0.00	0.00	0.00	0.00	0.11	193.44
9	0.00	0.00	0.00	0.00	0.50	832.33	9	0.00	0.00	0.00	0.00	0.12	193.32
10	0.00	0.00	0.00	0.00	1.34	830.99	10	0.00	0.00	0.00	0.00	0.31	193.01
11	0.00	0.00	0.00	0.00	0.94	830.05	11	0.00	0.00	0.00	0.00	0.22	192.79
12	0.00	0.00	0.00	0.00	0.96	829.09	12	0.00	0.00	0.00	0.00	0.22	192.57
13	0.00	0.00	0.00	0.00	0.85	828.24	13	0.00	0.00	0.00	0.00	0.20	192.37
14	0.00	0.00	0.00	0.00	0.97	827.27	14	0.00	0.00	0.00	0.00	0.23	192.14
15	0.00	0.00	0.00	0.00	0.97	826.30	15	0.00	0.00	0.00	0.00	0.23	191.91
16	0.00	0.00	0.00	0.00	0.95	825.35	16	0.00	0.00	0.00	0.00	0.22	191.69
17	0.00	0.00	0.00	0.00	0.07	825.28	17	0.00	0.00	0.00	0.00	0.02	191.67
18	0.00	0.00	0.00	0.00	0.51	824.77	18	0.00	0.00	0.00	0.00	0.12	191.55
19	0.00	0.00	0.00	0.00	0.64	824.13	19	0.00	0.00	0.00	0.00	0.15	191.40
20	0.00	0.00	0.00	0.00	0.99	823.14	20	0.00	0.00	0.00	0.00	0.23	191.17
21	0.00	0.00	0.00	0.00	0.95	822.19	21	0.00	0.00	0.00	0.00	0.22	190.95
22	0.00	0.00	0.00	0.00	0.95	821.24	22	0.00	0.00	0.00	0.00	0.22	190.73
23	0.00	0.00	0.00	0.00	0.94	820.30	23	0.00	0.00	0.00	0.00	0.22	190.51
24	0.00	0.00	0.00	0.00	0.63	819.67	24	0.00	0.00	0.00	0.00	0.15	190.36
25	0.00	0.00	0.00	0.00	0.72	818.95	25	0.00	0.00	0.00	0.00	0.17	190.19
26	0.00	0.00	0.00	0.00	0.86	818.09	26	0.00	0.00	0.00	0.00	0.20	189.99
27	0.00	0.00	0.00	0.00	1.38	816.71	27	0.00	0.00	0.00	0.00	0.32	189.67
28	0.00	0.00	0.00	0.00	1.26	815.45	28	0.00	0.00	0.00	0.00	0.29	189.38
29	0.00	0.00	0.00	0.00	0.72	814.73	29	0.00	0.00	0.00	0.00	0.17	189.21
30	0.00	0.00	95.75	0.00	0.73	718.25	30	0.00	0.00	15.17	0.00	0.17	173.87
	0.00		95.75	0.00	26.73			0.00		15.17	0.00	6.22	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						645.47							0.00
1	0.00	0.00	0.00	0.00	0.75	644.72	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.76	643.96	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.78	643.18	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.15	642.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.02	641.01	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.89	640.12	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.37	639.75	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.36	639.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.38	639.01	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.03	637.98	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.72	637.26	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.74	636.52	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.65	635.87	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.74	635.13	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.74	634.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.73	633.66	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.05	633.61	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.39	633.22	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.49	632.73	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.76	631.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.73	631.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.73	630.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.72	629.79	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.48	629.31	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.55	628.76	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.66	628.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.06	627.04	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.97	626.07	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.55	625.52	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	80.58	0.00	0.56	544.38	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		80.58	0.00	20.51			0.00		0.00	0.00	0.00	





## **SECTION 3**

# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo, Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

March 29, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer **500 acre-feet** of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). In addition, LAWMA has initiated actions to transfer **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, March 31, 2001. 1688.11 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1688.11 acre-feet will be made in the Offset Account.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	519.30 acre-feet
Return Flow Transit Loss Subaccount	168.81 acre-feet

I will provide you with a formal notification which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

MESSAGE CONFIRMATION

MAR-29-2001 16:47 THU

FAX NUMBER : 719-544-0800  
NAME : DIV 2 DWR

FAX NUMBER : 1-785-296-1176 Pope  
PAGE : 001  
ELAPSED TIME : 00' 55"  
MODE : G3 STD ECM  
RESULTS : [ O.K ]

STATE OF COLORADO

WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER

310 East Alhambra, Suite B  
Pueblo, Colorado 81004  
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<http://www.state.co.us/default.htm>



Bill Owens  
Governor  
Craig E. Walchey  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

March 29, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer 500 acre-feet of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). In addition, LAWMA has initiated actions to transfer 500 acre-feet of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, March 31, 2001. 1688.11 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1688.11 acre-feet will be made in the Offset Account.

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Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	519.30 acre-feet
Return Flow Transit Loss Subaccount	168.81 acre-feet

I will provide you with a formal notification which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer



MESSAGE CONFIRMATION

MAR-29-2001 16:55 THU

FAX NUMBER : 719-544-0800  
NAME : DIV 2 DWR

FAX NUMBER : 1-316-276-9315 Rude  
PAGE : 001  
ELAPSED TIME : 00' 30"  
MODE : G3 STD ECM  
RESULTS : [ O.K ]

STATE OF COLORADO

WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER

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Pueblo, Colorado 81004  
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Bill Owens  
Governor  
Greg E. Welcher  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

March 29, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer 500 acre-feet of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998 ("Resolution"). In addition, LAWMA has initiated actions to transfer 500 acre-feet of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, March 31, 2001. 1688.11 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1688.11 acre-feet will be made in the Offset Account.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	519.30 acre-feet
Return Flow Transit Loss Subaccount	168.81 acre-feet

I will provide you with a formal notification which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

**Tyner, Bill**

---

**From:** Tyner, Bill  
**Sent:** Thursday, March 29, 2001 4:41 PM  
**To:** 'Mark Rude, Kansas'  
**Cc:** 'David Pope'; Straw, Dale  
**Subject:** Delivery of Storage Charge to Offset Account

March 29, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer **500 acre-feet** of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). In addition, LAWMA has initiated actions to transfer **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, March 31, 2001. 1688.11 acre-feet of water will be transferred from LAWMA's XY-Graham Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1688.11 acre-feet will be made in the Offset Account.

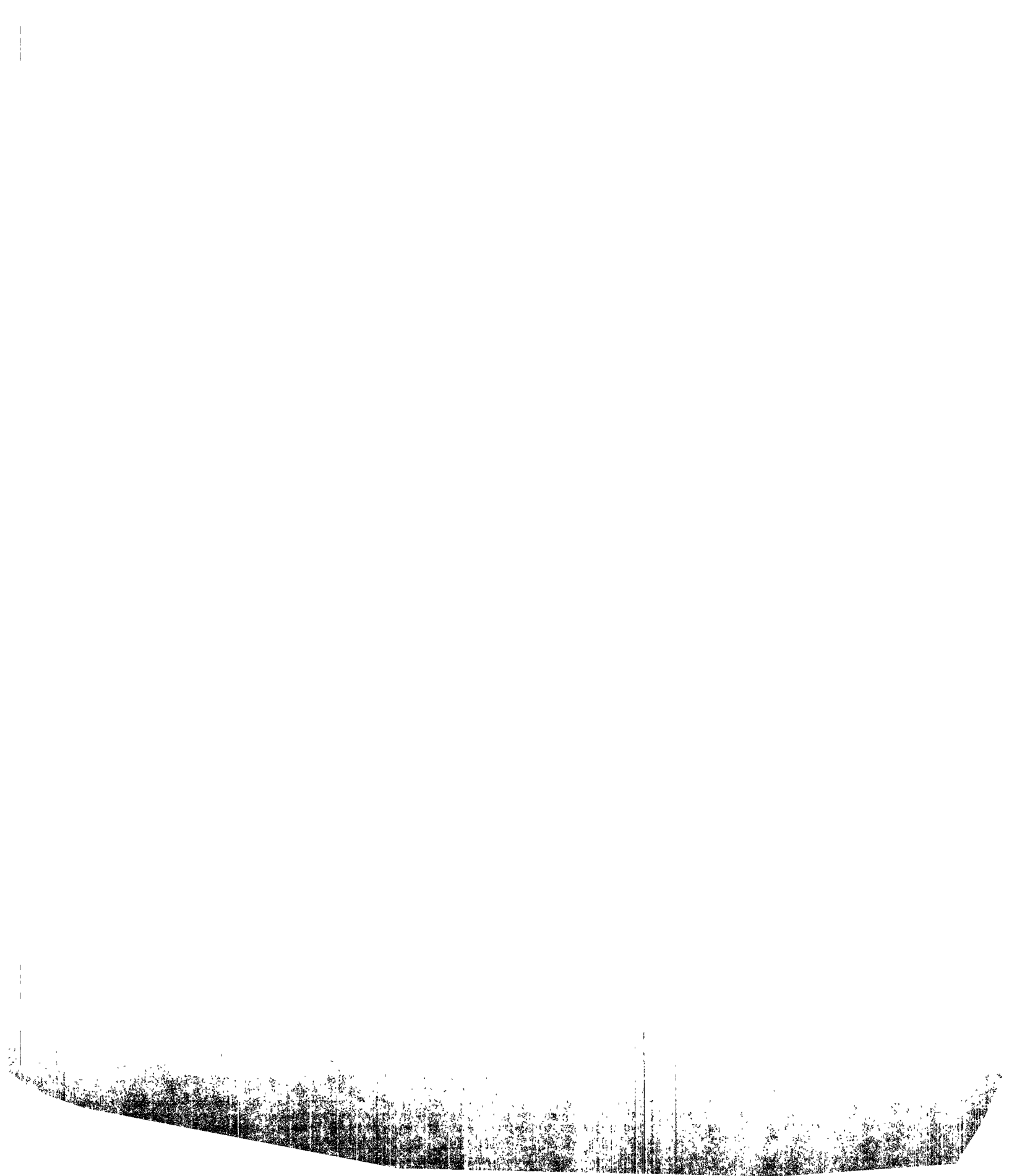
Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	519.30 acre-feet
Return Flow Transit Loss Subaccount	168.81 acre-feet

I will provide you with a formal notification which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer



# STATE OF COLORADO

**WATER DIVISION 2  
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<http://water.state.co.us/default.htm>

April 16, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **500 acre-feet** of fully consumable water to the Offset Account for the purpose of satisfying the Storage Charge prerequisite for using the Offset Account as provided for in paragraph 9 of the Resolution. In addition, LAWMA has transferred **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **1688.11 acre-feet** of water was transferred from LAWMA's XY-Graham Article II account. 500 acre-feet of fully consumable water was placed in the Kansas Storage Charge subaccount, 500 acre-feet of fully consumable water was placed in the Colorado Downstream Consumable Water subaccount, 519.3 acre-feet was placed in the Return Flow subaccount, and 168.81 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for March 31, 2001 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above.

Using the procedures described in the December 18, 2000 letter from Hal Simpson to you, **SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir**, the following options are presented for the disposition of the portion of the transfer allocated to return flow and return flow transit loss.

Option 1: Using the tables attached at Enclosure 2, the monthly release of return flow water will be determined using the return flow quantities shown in Table 3 and the actual transit loss computed to deliver the Table 3 quantities to their respective river reaches. Table 4 projects the quantities of these monthly releases using the upper limit values for transit loss computed using the "Livingston Formula" as described in paragraph 8 of the Resolution. Using this option, it is

projected that 444.1 acre-feet will be released during the next 12 months to deliver 367.06 acre-feet of usable return flows to the required river reaches. It is proposed that Mark Rude notify me each month to designate when the release for that month should be made and to specify the transit losses that have been computed using the "Livingston Formula" for the designated release day. If this notification is not received by the end of each month, the monthly projected quantities from Table 4 will be placed in the Kansas Consumable Water subaccount of the Offset Account, satisfying the requirement for the delivery of that month's return flow water. Return flows needed to satisfy instate calls by the Buffalo Canal and the X-Y Canal will be computed based on the percentage of each month that a call is actually placed on the river. The appropriate quantities from Table 2 will be added to the appropriate amount of transit loss and released to the river on the last day of the month, if required.

Option 2: Using the simplified procedure proposed in the December 18, 2000 letter referenced above, 36.8 % or approximately 620 acre-feet will be moved from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Article II water described in this letter. The remaining 4% or approximately 67 acre-feet of the transferred water will be placed in the Section II accounts of the Buffalo Canal and the X-Y Canal to replace return flows during the period when these ditches would have placed a call on the river based on historical calls.

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred: LAWMA XY-Graham Article II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, 31 March, 2001

Extent Water is Fully Consumable:

LAWMA XY-Graham Article II Account water is 65.8% consumable.

Return Flow Information

Quantity: 519.3 acre-feet

Timing: See previous paragraphs.

Location: Return Flow subaccount.

Please provide your instructions for the disposition of the water being delivered as Storage Charge Water.

- Release to River
- Transfer to Kansas Article II Account
- Retain in Offset Account

David L. Pope  
April 16, 2001

Page 3

Please provide your instructions for the disposition of the water being delivered as Return Flow water and Return Flow Transit Loss water.

\_\_\_\_ Use Option 1.

\_\_\_\_ Use Option 2 ( \_\_\_\_ to Kansas Consumable Water subaccount or \_\_\_\_ to Kansas Section II account).

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Dale Straw

## John Martin Daily Report

03/31/2001

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance	Running
<b>Storage</b>									
City									
19 City/LAMAR	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation									
3 Summer Compact	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	03/31/2001	36,252.39	75.00	0.00	0.00	0.00	15.81	36,311.58	36,311.58
Other Water									
6 Winter Water	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool									
5 Permanent Pool	03/31/2001	6,975.96	0.00	0.00	0.00	0.00	3.04	6,972.92	6,972.92
45 Flood Pool	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,972.92
<b>Storage Totals:</b>		<b>43228.35</b>	<b>75.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.85</b>	<b>43284.50</b>	
<b>Agreement</b>									
Article III									
32 Amity	03/31/2001	16,281.72	0.00	0.00	0.00	0.00	7.10	16,274.62	16,274.62
33 Ft. Lyon	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16,274.62
34 Las Animas	03/31/2001	2,463.07	0.00	0.00	0.00	0.00	1.07	2,462.00	18,736.62
Cmnt Winter									
36 Keesee	03/31/2001	249.47	0.00	0.00	0.00	0.00	0.11	249.36	249.36
37 Ft Bent	03/31/2001	1,062.99	0.00	0.00	0.00	0.00	0.46	1,062.53	1,311.88
38 Amity	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,311.88
39 Lamar	03/31/2001	2,125.96	0.00	0.00	0.00	0.00	0.93	2,125.03	3,436.92
40 Hyde	03/31/2001	140.99	0.00	0.00	0.00	0.00	0.06	140.93	3,577.84
41 Manvel	03/31/2001	254.88	0.00	0.00	0.00	0.00	0.11	254.77	3,832.61
42 X-Y	03/31/2001	547.73	0.00	0.00	0.00	0.00	0.24	547.49	4,380.11
43 Buffalo	03/31/2001	911.14	0.00	0.00	0.00	0.00	0.40	910.74	5,290.85
44 Sisson	03/31/2001	92.73	0.00	0.00	0.00	0.00	0.04	92.69	5,383.54
62 Stubbs	03/31/2001	37.42	0.00	0.00	0.00	0.00	0.02	37.40	5,420.94
InterState									
8 Kansas	03/31/2001	46,358.46	0.00	0.00	0.00	0.00	20.23	46,338.23	46,338.23
18 Transit Loss	03/31/2001	1,690.50	0.00	0.00	0.00	0.00	0.74	1,689.76	48,027.99
Prev Winter									
21 Keesee	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 Ft Bent	03/31/2001	483.98	0.00	0.00	0.00	0.00	0.21	483.77	483.77
23 Amity	03/31/2001	15,246.13	0.00	0.00	0.00	0.00	6.65	15,239.48	15,723.25
24 Lamar	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,723.25
25 Hyde	03/31/2001	453.75	0.00	0.00	0.00	0.00	0.20	453.55	16,176.80
26 Manvel	03/31/2001	837.33	0.00	0.00	0.00	0.00	0.37	836.96	17,013.76
27 X-Y	03/31/2001	1,432.86	0.00	0.00	0.00	0.00	0.62	1,432.24	18,446.00
28 Buffalo	03/31/2001	2,965.99	0.00	0.00	0.00	0.00	1.29	2,964.70	21,410.70
29 Sisson	03/31/2001	418.61	0.00	0.00	0.00	0.00	0.18	418.43	21,829.13
61 Stubbs	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21,829.13
Summer Stored									
9 Keesee	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Ft Bent	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hyde	03/31/2001	2,273.93	0.00	0.00	0.00	0.00	0.99	2,272.94	2,272.94
14 Manvel	03/31/2001	4,519.92	0.00	0.00	0.00	0.00	1.97	4,517.95	6,790.89
15 X-Y	03/31/2001	8,918.35	0.00	0.00	1,688.1	0.00	3.89	7,226.35	14,017.24
16 Buffalo	03/31/2001	15,804.42	0.00	0.00	0.00	0.00	6.89	15,797.53	29,814.77
17 Sisson	03/31/2001	2,114.84	0.00	0.00	0.00	0.00	0.92	2,113.92	31,928.69
60 Stubbs	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,928.69
<b>Agreement Totals:</b>		<b>127687.17</b>	<b>0.00</b>	<b>0.00</b>	<b>1688.1</b>	<b>0.00</b>	<b>55.69</b>	<b>125943.37</b>	
<b>OffsetAccount</b>									
Consumable									
52 Upstream	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	03/31/2001	23.05	0.00	500.00	0.00	0.00	0.01	523.04	523.04
54 Kansas	03/31/2001	1,040.43	0.00	0.00	0.00	0.00	0.45	1,039.98	1,563.02
55 Kansas Charge	03/31/2001	0.00	0.00	500.00	0.00	0.00	0.00	500.00	2,063.02
ReturnFlow									
57 Return Flow	03/31/2001	0.00	0.00	519.30	0.00	0.00	0.00	519.30	519.30
58 RF Transit Loss	03/31/2001	0.00	0.00	168.81	0.00	0.00	0.00	168.81	688.11
59 Unused	03/31/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	688.11
<b>OffsetAccount Totals:</b>		<b>1063.48</b>	<b>0.00</b>	<b>1688.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.46</b>	<b>2751.13</b>	
<b>Reservoir Totals:</b>									
		<b>171979.00</b>	<b>75.00</b>	<b>1688.11</b>	<b>1688.1</b>	<b>0.00</b>	<b>75.00</b>	<b>171979.00</b>	

The tables discussed in the body of the letter are attached.

2  
:  
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Enclosure 2



1688.11 Acre-Feet  
of  
LAWMA X-Y Graham  
Section II Water

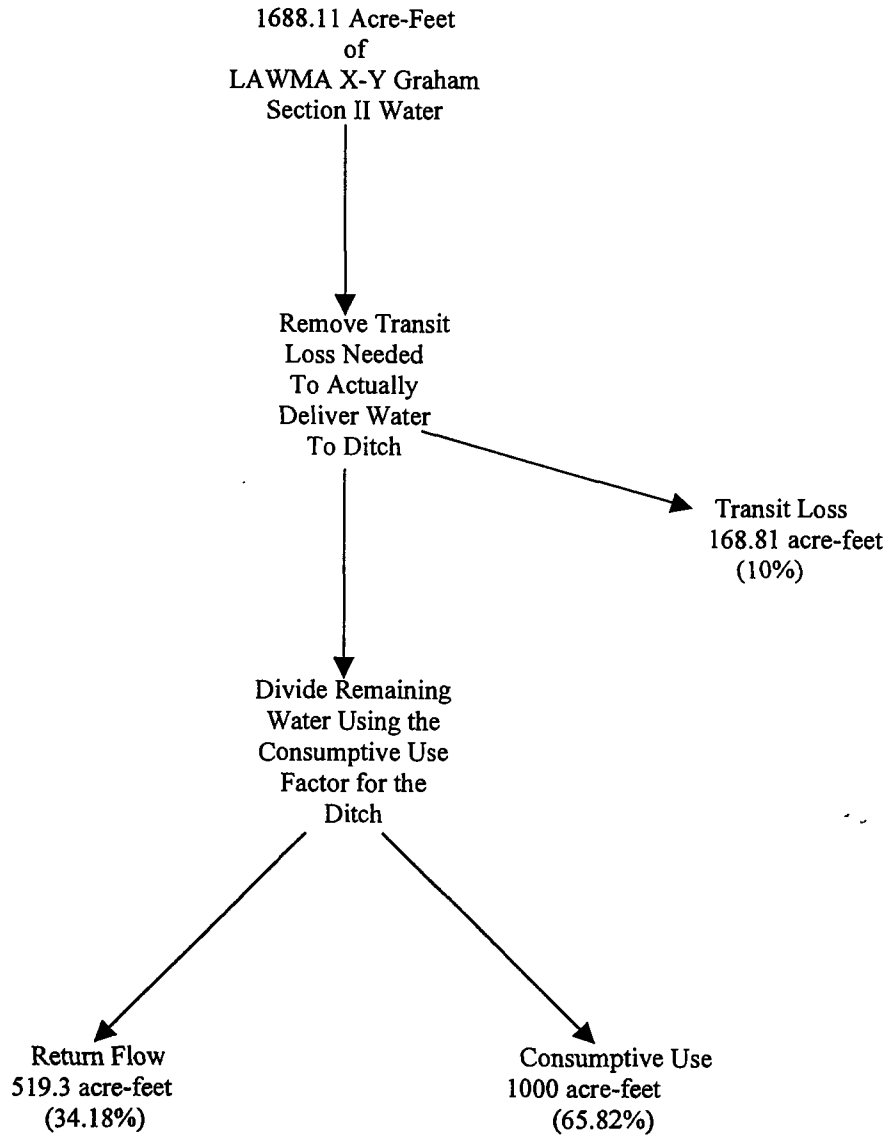
Remove Transit  
Loss Needed  
To Actually  
Deliver Water  
To Ditch

Transit Loss  
168.81 acre-feet  
(10%)

Divide Remaining  
Water Using the  
Consumptive Use  
Factor for the  
Ditch

Return Flow  
519.3 acre-feet  
(34.18%)

Consumptive Use  
1000 acre-feet  
(65.82%)



**Table 1**  
**Average Monthly Response (%)**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.0001	0.1596	1.2997	2.913	0.168
Feb	0.0001	0.1509	1.1363	2.5081	0.1481
Mar	0.0001	0.1431	1.0132	2.1849	0.1308
Apr	0.0001	0.1281	2.6606	5.4907	0.1069
May	0.0001	0.1314	3.6645	7.1968	0.1117
Jun	0.0001	0.1545	4.1593	8.2105	0.1495
Jul	0.0002	0.1697	4.4749	8.931	0.1815
Aug	0.0002	0.1851	3.8252	7.6986	0.2129
Sep	0.0002	0.1923	3.0152	6.2846	0.2296
Oct	0.0002	0.1847	2.5966	5.5659	0.2211
Nov	0.0002	0.1781	1.943	4.2367	0.2081
Dec	0.0001	0.1706	1.5349	3.4468	0.1911
<b>Total</b>	<b>0.0017</b>	<b>1.9481</b>	<b>31.3234</b>	<b>64.6676</b>	<b>2.0593</b>

**Table 2**  
**Return Flow Distribution for 519.3 Acre-Feet**

<b>Month</b>	<b>Reach 14</b>	<b>Reach 15</b>	<b>Reach 16</b>	<b>Reach 17</b>	<b>Reach 18</b>
Jan	0.001	0.829	6.749	15.127	0.872
Feb	0.001	0.784	5.901	13.025	0.769
Mar	0.001	0.743	5.262	11.346	0.679
Apr	0.001	0.665	13.816	28.513	0.555
May	0.001	0.682	19.030	37.373	0.580
Jun	0.001	0.802	21.599	42.637	0.776
Jul	0.001	0.881	23.238	46.379	0.943
Aug	0.001	0.961	19.864	39.979	1.106
Sep	0.001	0.999	15.658	32.636	1.192
Oct	0.001	0.959	13.484	28.904	1.148
Nov	0.001	0.925	10.090	22.001	1.081
Dec	0.001	0.886	7.971	17.899	0.992
<b>Total</b>	<b>0.012</b>	<b>10.116</b>	<b>162.662</b>	<b>335.819</b>	<b>10.693</b>

**Table 3****Return Flows With Usability Factors Applied**

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.000	0.289	2.356	5.279	0.304
Feb	0.000	0.273	2.059	4.546	0.268
Mar	0.000	0.259	1.836	3.960	0.237
Apr	0.000	0.545	11.316	23.352	0.455
May	0.000	0.559	15.585	30.608	0.475
Jun	0.000	0.657	17.690	34.920	0.636
Jul	0.001	0.722	19.032	37.984	0.772
Aug	0.001	0.787	16.269	32.743	0.905
Sep	0.001	0.818	12.824	26.729	0.977
Oct	0.001	0.786	11.044	23.672	0.940
Nov	0.000	0.323	3.521	7.678	0.377
Dec	0.000	0.309	2.782	6.247	0.346
<b>Total</b>	0.004	6.327	116.314	237.718	6.692

**Table 4****Projected Releases From Offset Account**

Month	Transit Loss (%)				
	12%	14%	16%	18%	20%
Jan	0.000	0.336	2.804	6.438	0.381
Feb	0.000	0.318	2.452	5.543	0.336
Mar	0.000	0.302	2.186	4.829	0.296
Apr	0.000	0.634	13.471	28.478	0.568
May	0.000	0.650	18.554	37.327	0.594
Jun	0.000	0.764	21.059	42.585	0.795
Jul	0.001	0.839	22.657	46.322	0.965
Aug	0.001	0.915	19.368	39.930	1.132
Sep	0.001	0.951	15.266	32.596	1.221
Oct	0.001	0.913	13.147	28.868	1.175
Nov	0.000	0.375	4.192	9.364	0.471
Dec	0.000	0.360	3.312	7.618	0.433
<b>Total</b>	0.004	7.357	138.468	289.898	8.367



## Tyner, Bill

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**From:** Tyner, Bill  
**Sent:** Thursday, May 03, 2001 11:49 AM  
**To:** 'Mark Rude, Kansas'  
**Cc:** DiDomenico, Charles  
**Subject:** Transfer of Return Flow and Return Flow Transit Loss

Mark,

Per the April 16, 2001 letter from Steve Witte to David Pope, we had not heard from you by the end of April regarding the release of the return flows for the month of April, 2001, associated with the Article II water transferred by LAWMA into the Offset Account on March 31, 2001. Consequently, we have proceeded with the transfer of the amount shown in Table 4 of the April 16, 2001 letter into the Kansas Consumable subaccount (Account 54) from the Return Flow subaccount (Account 57) and the Return Flow Transit Loss subaccount (Account 58) as shown in the attached accounting for April 30, 2001. Charlie DiDomenico also provided Kevin with the updated database information associated with the accounting.

Thanks,  
Bill Tyner



John Martin Daily  
Report430.rt...

	Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance	Running
<b>Storage</b>										
	City									
	19 City/LAMAR	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Conservation									
	3 Summer Compact	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4 Winter Compact	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Other Water									
	6 Winter Water	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Pool									
	5 Permanent Pool	04/30/2001	6,990.44	0.00	0.00	0.00	0.00	5.59	6,984.85	6,984.85
	45 Flood Pool	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,984.85
<b>Storage</b>	<b>Totals:</b>		6990.44	0.00	0.00	0.00	0.00	5.59	6984.85	
<b>Agreement</b>										
	Article III									
	32 Amity	04/30/2001	15,588.55	0.00	0.00	0.00	0.00	12.46	15,576.09	15,576.09
	33 Ft. Lyon	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,576.09
	34 Las Animas	04/30/2001	2,177.13	0.00	0.00	0.00	29.70	1.74	2,145.69	17,721.78
	Cmnt Winter									
	36 Keesee	04/30/2001	66.10	0.00	0.00	0.00	13.57	0.05	52.48	52.48
	37 Ft Bent	04/30/2001	3,176.61	0.00	0.00	0.00	0.00	2.54	3,174.07	3,226.55
	38 Amity	04/30/2001	10,502.99	0.00	0.00	0.00	0.00	8.40	10,494.59	13,721.14
	39 Lamar	04/30/2001	6,089.40	0.00	0.00	0.00	208.93	4.87	5,875.60	19,596.74
	40 Hyde	04/30/2001	418.52	0.00	0.00	0.00	0.00	0.33	418.19	20,014.93
	41 Manvel	04/30/2001	767.37	0.00	0.00	0.00	0.00	0.61	766.76	20,781.68
	42 X-Y	04/30/2001	1,636.60	0.00	0.00	0.00	0.00	1.31	1,635.29	22,416.98
	43 Buffalo	04/30/2001	2,725.91	0.00	0.00	0.00	0.00	2.18	2,723.73	25,140.70
	44 Sisson	04/30/2001	275.81	0.00	0.00	0.00	0.00	0.22	275.59	25,416.29
	62 Stubbs	04/30/2001	110.54	0.00	0.00	0.00	0.00	0.09	110.45	25,526.74
	InterState									
	8 Kansas	04/30/2001	61,510.95	0.00	0.00	0.00	0.00	49.17	61,461.78	61,461.78
	18 Transit Loss	04/30/2001	1,678.01	0.00	0.00	0.00	0.00	1.34	1,676.67	63,138.45
	Prev Winter									
	21 Keesee	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22 Ft Bent	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23 Amity	04/30/2001	10,814.22	0.00	0.00	0.00	699.17	8.64	10,106.41	10,106.41
	24 Lamar	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,106.41
	25 Hyde	04/30/2001	441.72	0.00	0.00	0.00	0.00	0.35	441.37	10,547.78
	26 Manvel	04/30/2001	815.20	0.00	0.00	0.00	0.00	0.65	814.55	11,362.33
	27 X-Y	04/30/2001	1,394.98	0.00	0.00	0.00	0.00	1.12	1,393.86	12,756.19
	28 Buffalo	04/30/2001	2,662.57	0.00	0.00	0.00	86.50	2.13	2,573.94	15,330.13
	29 Sisson	04/30/2001	407.54	0.00	0.00	0.00	0.00	0.33	407.21	15,737.34
	61 Stubbs	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,737.34
	Summer Stored									
	9 Keesee	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10 Ft Bent	04/30/2001	155.21	0.00	0.00	0.00	92.69	0.12	62.40	62.40
	11 Amity	04/30/2001	1,601.27	0.00	0.00	0.00	0.00	1.28	1,599.99	1,662.39
	12 Lamar	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,662.39
	13 Hyde	04/30/2001	2,255.88	0.00	0.00	0.00	0.00	1.80	2,254.08	3,916.47
	14 Manvel	04/30/2001	4,478.08	0.00	0.00	0.00	0.00	3.58	4,474.50	8,390.97
	15 X-Y	04/30/2001	7,203.65	0.00	0.00	0.00	0.00	5.76	7,197.89	15,588.86
	16 Buffalo	04/30/2001	15,661.61	0.00	0.00	0.00	0.00	12.52	15,649.99	31,237.95
	17 Sisson	04/30/2001	2,086.66	0.00	0.00	0.00	0.00	1.67	2,084.99	33,322.94
	60 Stubbs	04/30/2001	11.08	0.00	0.00	0.00	0.00	0.01	11.07	33,334.01
<b>Agreement</b>	<b>Totals:</b>		156714.14	0.00	0.00	0.00	1130.56	125.27	155458.31	
<b>OffsetAccount</b>										
	Consumable									
	52 Upstream	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	53 Downstream	04/30/2001	509.51	0.00	0.00	0.00	0.00	0.41	509.10	509.10
	54 Kansas	04/30/2001	1,012.77	43.15	0.00	0.00	0.00	0.81	1,055.11	1,564.21
	55 Kansas Charge	04/30/2001	486.91	0.00	0.00	0.00	0.00	0.39	486.52	2,050.73
	ReturnFlow									
	57 Return Flow	04/30/2001	505.69	0.00	0.00	0.00	35.67	0.40	469.62	469.62
	58 RF Transit Loss	04/30/2001	164.41	0.00	0.00	0.00	7.48	0.13	156.80	626.42
	59 Unused	04/30/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	626.42
<b>OffsetAccount</b>	<b>Totals:</b>		2679.29	43.15	0.00	0.00	43.15	2.14	2677.15	
<b>Reservoir Totals:</b>			166383.87	43.15	0.00	0.00	1173.71	133.00	165120.31	

Amounts to be Transferred Monthly to the Kansas Consumable Subaccount of the Offset Account  
(Account 54)

From Account 57 - Return Flow Subaccount

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18	Total
Jan	0.00	0.29	2.36	5.28	0.30	8.23
Feb	0.00	0.27	2.06	4.55	0.27	7.15
Mar	0.00	0.26	1.84	3.96	0.24	6.29
Apr	0.00	0.55	11.32	23.35	0.46	35.67
May	0.00	0.56	15.59	30.61	0.48	47.23
Jun	0.00	0.66	17.69	34.92	0.64	53.90
Jul	0.00	0.72	19.03	37.98	0.77	58.51
Aug	0.00	0.79	16.27	32.74	0.91	50.71
Sep	0.00	0.82	12.82	26.73	0.98	41.35
Oct	0.00	0.79	11.04	23.67	0.94	36.44
Nov	0.00	0.32	3.52	7.68	0.38	11.90
Dec	0.00	0.31	2.78	6.25	0.35	9.68
Total	0.00	6.33	116.31	237.72	6.69	367.06

From Account 58 - RF Transit Loss Subaccount

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18	Total
Jan	0.00	0.05	0.45	1.16	0.08	1.73
Feb	0.00	0.05	0.39	1.00	0.07	1.50
Mar	0.00	0.04	0.35	0.87	0.06	1.32
Apr	0.00	0.09	2.16	5.13	0.11	7.48
May	0.00	0.09	2.97	6.72	0.12	9.90
Jun	0.00	0.11	3.37	7.67	0.16	11.30
Jul	0.00	0.12	3.63	8.34	0.19	12.27
Aug	0.00	0.13	3.10	7.19	0.23	10.64
Sep	0.00	0.13	2.44	5.87	0.24	8.69
Oct	0.00	0.13	2.10	5.20	0.24	7.66
Nov	0.00	0.05	0.67	1.69	0.09	2.50
Dec	0.00	0.05	0.53	1.37	0.09	2.04
Total	0.00	1.03	22.15	52.18	1.68	77.04

To Account 54 - Kansas Consumable Subaccount

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18	Total
Jan	0.00	0.34	2.80	6.44	0.38	9.96
Feb	0.00	0.32	2.45	5.54	0.34	8.65
Mar	0.00	0.30	2.19	4.83	0.30	7.61
Apr	0.00	0.63	13.47	28.48	0.57	43.15
May	0.00	0.65	18.55	37.33	0.59	57.13
Jun	0.00	0.76	21.06	42.59	0.80	65.20
Jul	0.00	0.84	22.66	46.32	0.97	70.78
Aug	0.00	0.92	19.37	39.93	1.13	61.35
Sep	0.00	0.95	15.27	32.60	1.22	50.04
Oct	0.00	0.91	13.15	28.87	1.18	44.10
Nov	0.00	0.38	4.19	9.36	0.47	14.40
Dec	0.00	0.36	3.31	7.62	0.43	11.72
Total	0.00	7.36	138.47	289.90	8.37	444.09





**DiDomenico, Charles**

---

**From:** Rude, Mark [MRUDE@KDA.STATE.KS.US]  
**Sent:** Wednesday, June 20, 2001 2:46 PM  
**To:** 'DiDomenico, Charles'  
**Subject:** RE: John Martin Report

Thank you, Charles, for providing this information in a timely manor. As a note to the present demand for Offset account water, I am requesting that all water available to Kansas be released from the offset account at the present rate of release, which Kevin Salter communicated to you earlier. This should include your sub-account labeled "Consumable-Downstream." Our expectation is that the release will continue until some time tomorrow morning, after which no Kansas demand for water will be in place on any account in JMR until further notice. If you should have questions, please feel free to call me.

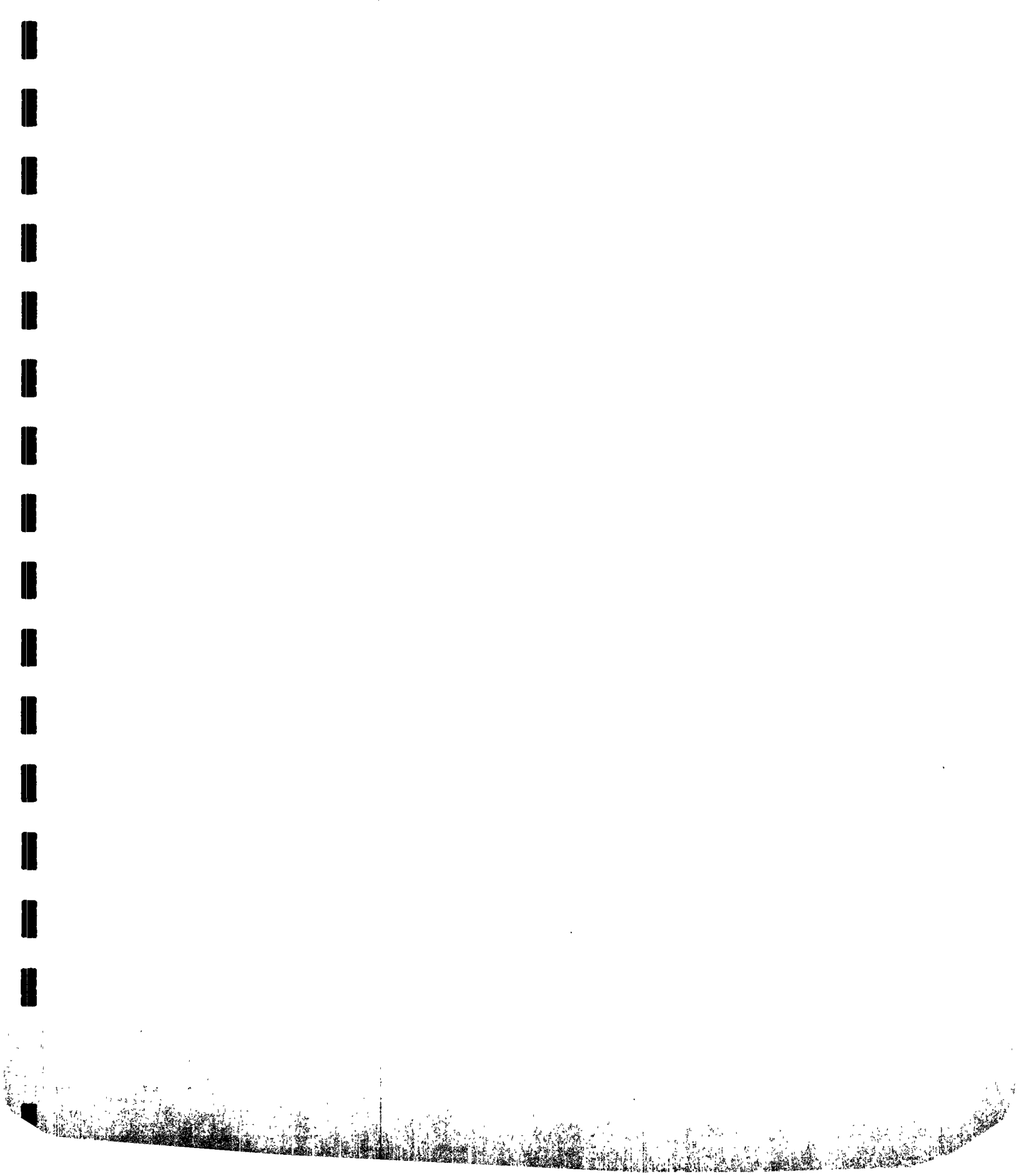
—Original Message—

**From:** DiDomenico, Charles [mailto:charles.didomenico@state.co.us]  
**Sent:** Wednesday, June 20, 2001 11:03 AM  
**To:** Bill Broyles; Brad Owens; Don Higbee; Rude, Mark  
**Cc:** Witte, Steve; Tyner, Bill; Neuhold, Dan; Taylor, Don  
**Subject:** FW: John Martin Report

—Original Message—

**From:** DiDomenico, Charles [mailto:charles.didomenico@state.co.us]  
**Sent:** Wednesday, June 20, 2001 10:01 AM  
**To:** charles.didomenico@state.co.us  
**Subject:** John Martin Report

<<John Martin Daily Report.rtf>>



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo, Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

<http://water.state.co.us/default.htm>



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

August 10, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, August 10, 2001. On behalf of LAWMA, 1100.98 acre-feet of water will be transferred from LAWMA's Lamar Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1100.98 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	490.9 acre-feet
Return Flow Transit Loss Subaccount	110.08 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer

MESSAGE CONFIRMATION

AUG-10-2001 15:59 FRI

FAX NUMBER : 719-544-0800  
NAME : DIV 2 DWR

FAX NUMBER : 13162769315  
PAGE : 001  
ELAPSED TIME : 00' 27"  
MODE : G3 STD ECM  
RESULTS : [ O.K ]

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Governor  
Greg E. Walcher  
Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. White, P.E.  
Division Engineer

August 10, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer 500 acre-feet of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, August 10, 2001. On behalf of LAWMA, 1100.98 acre-feet of water will be transferred from LAWMA's Lamar Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1100.98 acre-feet will be made in the Offset Account.

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Sincerely,

Bill W. Tyner  
Assistant Division Engineer

MESSAGE CONFIRMATION

AUG-10-2001 16:03 FRI

FAX NUMBER : 719-544-0800  
NAME : DIV 2 DWR

FAX NUMBER : 17852961176  
PAGE : 001  
ELAPSED TIME : 01' 52"  
MODE : G3 STD ECM  
RESULTS : [ O.K ]

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Executive Director  
Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

August 10, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer 500 acre-feet of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, August 10, 2001. On behalf of LAWMA, 1100.98 acre-feet of water will be transferred from LAWMA's Lamar Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1100.98 acre-feet will be made in the Offset Account.

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I will provide you with a formal notification, which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,  
*Bill W. Tyner*  
Bill W. Tyner  
Assistant Division Engineer

## Tyner, Bill

---

**From:** Tyner, Bill  
**Sent:** Friday, August 10, 2001 5:12 PM  
**To:** 'Mark Rude, Kansas'  
**Cc:** 'David Pope'; Witte, Steve; 'DON HIGBEE'  
**Subject:** Delivery of Article II water to Offset Account for LAWMA

August 10, 2001

Mark Rude  
Kansas Department of Agriculture (By FAX and E-Mail)

Dear Mark,

The purpose of this letter is to provide you with initial information of a transfer of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has initiated actions to transfer **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made at 2400 hrs, August 10, 2001. On behalf of LAWMA, 1100.98 acre-feet of water will be transferred from LAWMA's Lamar Article II account. Using the procedures described in the December 18, 2000 letter from Hal Simpson to David Pope, SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir, the following distribution of the 1100.98 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	490.9 acre-feet
Return Flow Transit Loss Subaccount	110.08 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the size and timing of the transfer into the Offset Account and the options for the disposition of the return flows, as described in the above referenced letter from Hal Simpson, after the transfer takes place.

If you have any questions in the meantime, please call me.

Sincerely,

Bill W. Tyner  
Assistant Division Engineer



# STATE OF COLORADO

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<http://water.state.co.us/default.htm>

August 15, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Transfer to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a transfer of water to the Offset Account.

The Lower Arkansas Water Management Association (LAWMA) has transferred **500 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **1100.98 acre-feet** of water was transferred from LAWMA's Lamar Article II account. 500 acre-feet of fully consumable water was placed in the Colorado Downstream Consumable Water subaccount, 490.90 acre-feet was placed in the Return Flow subaccount, and 110.08 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account.

A copy of the accounting spreadsheet for John Martin Reservoir for August 10, 2001 is attached at Enclosure 1. This accounting shows the transfer of water into the subaccounts referenced above.

Using the procedures described in the December 18, 2000 letter from Hal Simpson to you, **SUBJECT: April 13, 2000 Notice of Transfer to the Offset Account in John Martin Reservoir**, the following options are presented for the disposition of the portion of the transfer allocated to return flow and return flow transit loss.

Option 1: Using the tables attached at Enclosure 2, the monthly release of return flow water will be determined using the return flow quantities shown in Table 3 and the actual transit loss computed to deliver the Table 3 quantities to their respective river reaches. Table 4 projects the quantities of these monthly releases using the upper limit values for transit loss computed using the "Livingston Formula" as described in paragraph 8 of the Resolution. Using this option, it is projected that 388.47 acre-feet will be released during the next 12 months to deliver 333.05 acre-feet of usable return flows to the required river reaches. It is proposed that Mark Rude notify me



each month to designate when the release for that month should be made and to specify the transit losses that have been computed using the "Livingston Formula" for the designated release day. If this notification is not received by the end of each month, the monthly projected quantities from Table 4 will be placed in the Kansas Consumable Water subaccount of the Offset Account, satisfying the requirement for the delivery of that month's return flow water. Return flows needed to satisfy instate calls by the Buffalo Canal and the X-Y Canal will be computed based on the percentage of each month that a call is actually placed on the river. The appropriate quantities from Table 2 will be added to the appropriate amount of transit loss and released to the river on the last day of the month, if required.

Option 2: Using the simplified procedure proposed in the December 18, 2000 letter referenced above, 40.4 % or approximately 445 acre-feet will be move from the Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account to either the Kansas Consumable Water subaccount or the Kansas Section II account to cover usable return flows, evaporation and transit loss for the return flows resulting from the transfer of Article II water described in this letter. The remaining 14.2% or approximately 240 acre-feet of the transferred water will be placed in the Section II accounts of the Buffalo Canal and the X-Y Canal to replace return flows during the period when these ditches would have placed a call on the river based on historical calls.

The following information is provided in accordance with paragraph 3 of the Resolution.

Source of Water Transferred: LAWMA Lamar Article II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, August 10, 2001

Extent Water is Fully Consumable:

LAWMA Lamar Article II Account water is 50.46% consumable.

Return Flow Information

Quantity: 490.90 acre-feet

Timing: See previous paragraph.

Location: Return Flow subaccount.

Please provide your instructions for the disposition of the water being delivered as Return Flow water and Return Flow Transit Loss water.

Use Option 1.

Use Option 2 (  to Kansas Consumable Water subaccount or  to Kansas Section II account).

David L. Pope  
August 15, 2001

Page 3

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

2 Enclosures

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Dale Straw  
✓ Charlie DiDomenico  
Don Higbee

**Enclosure 1**  
**John Martin Daily Report**

08/10/2001

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
19 City/LAMAR	08/10/2001	655.19	0.00	0.00	0.00	59.82	1.10	594.27
Conservation								
3 Summer Compact	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
6 Winter Water	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
5 Permanent Pool	08/10/2001	6,275.48	0.00	0.00	0.00	0.00	10.56	6,264.92
45 Flood Pool	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage Totals:</b>		6930.67	0.00	0.00	0.00	59.82	11.66	6859.19
<b>Agreement</b>								
Article III								
32 Amity	08/10/2001	21,486.36	0.00	0.00	0.00	390.71	36.15	21,059.50
33 Ft. Lyon	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Las Animas	08/10/2001	558.09	0.00	0.00	0.00	41.55	0.94	515.60
Crnt Winter								
36 Keesee	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37 Ft Bent	08/10/2001	1,580.71	0.00	0.00	0.00	0.00	2.66	1,578.05
38 Amity	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Lamar	08/10/2001	1,150.00	0.00	0.00	1,100.9	0.00	1.93	47.09
40 Hyde	08/10/2001	375.68	0.00	0.00	0.00	0.00	0.63	375.05
41 Manvel	08/10/2001	688.87	0.00	0.00	0.00	0.00	1.16	687.71
42 X-Y	08/10/2001	1,469.22	0.00	0.00	0.00	0.00	2.47	1,466.75
43 Buffalo	08/10/2001	2,447.11	0.00	0.00	0.00	0.00	4.12	2,442.99
44 Sisson	08/10/2001	247.61	0.00	0.00	0.00	0.00	0.42	247.19
62 Stubbs	08/10/2001	99.26	0.00	0.00	0.00	0.00	0.17	99.09
InterState								
8 Kansas	08/10/2001	11,410.16	0.00	0.00	0.00	892.56	19.19	10,498.41
18 Transit Loss	08/10/2001	750.31	0.00	0.00	0.00	0.00	1.26	749.05
Prev Winter								
21 Keesee	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 Ft Bent	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Amity	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hyde	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Manvel	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 X-Y	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Buffalo	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 Sisson	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61 Stubbs	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored								
9 Keesee	08/10/2001	11.86	0.00	0.00	0.00	0.00	0.02	11.84
10 Ft Bent	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hyde	08/10/2001	2,422.42	0.00	0.00	0.00	0.00	4.07	2,418.35
14 Manvel	08/10/2001	5,087.23	0.00	0.00	0.00	0.00	8.56	5,078.67
15 X-Y	08/10/2001	8,431.84	0.00	0.00	0.00	0.00	14.18	8,417.66
16 Buffalo	08/10/2001	16,329.77	0.00	0.00	0.00	41.36	27.47	16,260.94
17 Sisson	08/10/2001	2,377.66	0.00	0.00	0.00	0.00	4.00	2,373.66
60 Stubbs	08/10/2001	34.18	0.00	0.00	0.00	0.00	0.06	34.12
<b>Agreement Totals:</b>		76958.33	0.00	0.00	1100.9	1366.18	129.46	74361.71
<b>OffsetAccount</b>								
Consumable								
52 Upstream	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	08/10/2001	341.79	0.00	500.00	0.00	0.00	0.57	841.22
54 Kansas	08/10/2001	403.66	0.00	0.00	0.00	0.00	0.68	402.98
55 Kansas Charge	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ReturnFlow								
57 Return Flow	08/10/2001	269.63	0.00	490.90	0.00	0.00	0.45	760.08
58 RF Transit Loss	08/10/2001	108.92	0.00	110.08	0.00	0.00	0.18	218.82
59 Unused	08/10/2001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>OffsetAccount Totals:</b>		1124.00	0.00	1100.98	0.00	0.00	1.88	2223.10
<b>Reservoir Totals:</b>		85013.00	0.00	1100.98	1100.9	1426.00	143.00	83444.00

The tables discussed in the body of the letter are attached.

Enclosure 2

1100.98 Acre-Feet  
of  
LAWMA Lamar Canal  
Section II Water

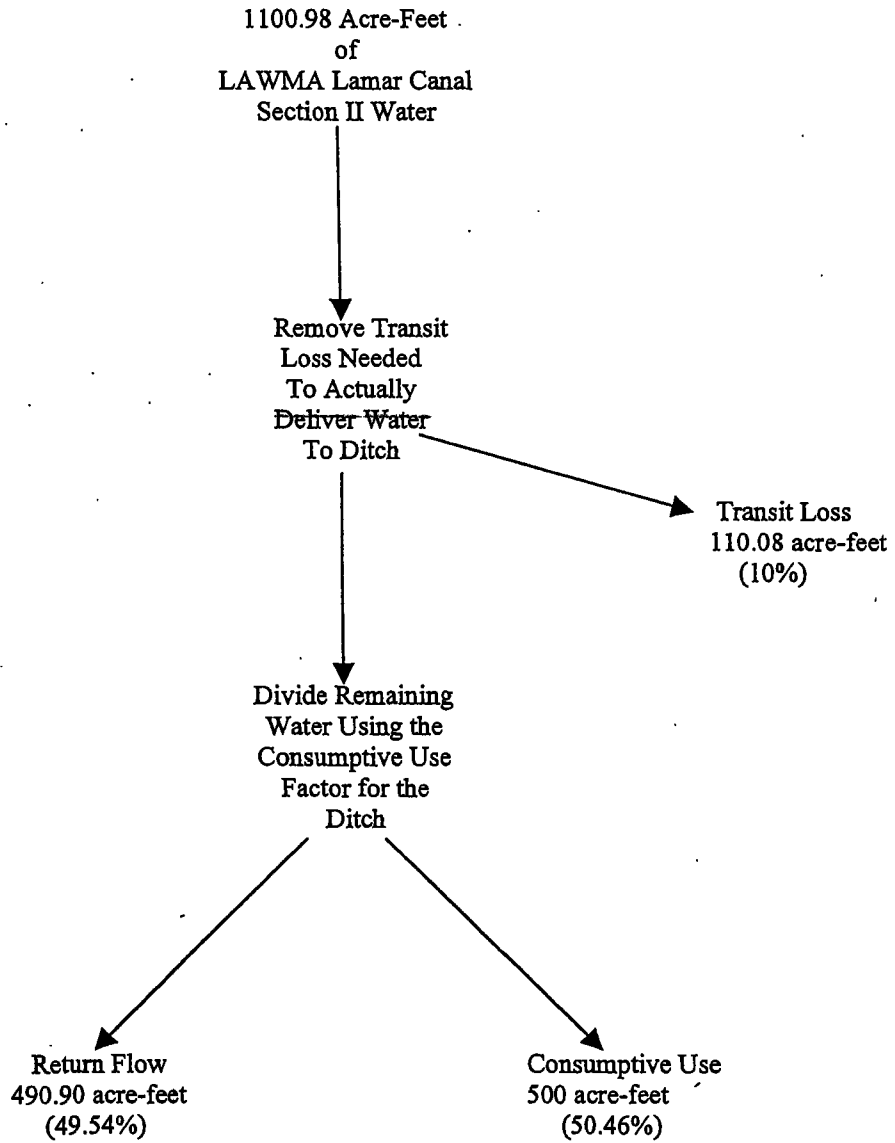
Remove Transit  
Loss Needed  
To Actually  
Deliver Water  
To Ditch

Transit Loss  
110.08 acre-feet  
(10%)

Divide Remaining  
Water Using the  
Consumptive Use  
Factor for the  
Ditch

Return Flow  
490.90 acre-feet  
(49.54%)

Consumptive Use  
500 acre-feet  
(50.46%)



**Table 1****Average Monthly Response (%)**

Month	Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.2381	1.4267	1.4372	1.6917	1.0351	0.0047
Feb	0.228	1.2231	1.158	1.5851	1.0169	0.0044
Mar	0.2179	1.0643	0.9412	1.4799	0.9916	0.0043
Apr	0.2084	2.2832	1.964	2.2353	1.1125	0.0042
May	0.2073	3.1643	2.8895	2.2771	1.08	0.0041
Jun	0.2172	3.6946	3.5432	2.3922	1.0696	0.0041
Jul	0.2308	4.0663	4.0394	2.5336	1.0803	0.0044
Aug	0.245	3.6709	3.826	2.253	1.0306	0.0047
Sep	0.2548	3.0586	3.2962	2.1157	1.0283	0.005
Oct	0.2568	2.6783	2.8848	2.1185	1.058	0.0052
Nov	0.2539	2.1085	2.29	1.8726	1.037	0.0051
Dec	0.2474	1.7005	1.8001	1.7928	1.0428	0.0049
<b>Total</b>	<b>2.8056</b>	<b>30.1393</b>	<b>30.0696</b>	<b>24.3475</b>	<b>12.5827</b>	<b>0.0551</b>

**Table 2****Return Flow Distribution for 490.9 Acre-Feet**

Month	Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	1.169	7.004	7.055	8.305	5.081	0.023
Feb	1.119	6.004	5.685	7.781	4.992	0.022
Mar	1.070	5.225	4.620	7.265	4.868	0.021
Apr	1.023	11.208	9.641	10.973	5.461	0.021
May	1.018	15.534	14.185	11.178	5.302	0.020
Jun	1.066	18.137	17.394	11.743	5.251	0.020
Jul	1.133	19.961	19.829	12.437	5.303	0.022
Aug	1.203	18.020	18.782	11.060	5.059	0.023
Sep	1.251	15.015	16.181	10.386	5.048	0.025
Oct	1.261	13.148	14.161	10.400	5.194	0.026
Nov	1.246	10.351	11.242	9.193	5.091	0.025
Dec	1.214	8.348	8.837	8.801	5.119	0.024
<b>Total</b>	<b>13.773</b>	<b>147.955</b>	<b>147.612</b>	<b>119.522</b>	<b>61.769</b>	<b>0.272</b>

**Table 3****Return Flows With Usability Factors Applied**

Month	Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.408	2.444	2.462	2.898	1.773	0.008
Feb	0.391	2.095	1.984	2.716	1.742	0.008
Mar	0.373	1.823	1.613	2.535	1.699	0.007
Apr	0.838	9.180	7.896	8.987	4.473	0.017
May	0.833	12.722	11.617	9.155	4.342	0.016
Jun	0.873	14.854	14.245	9.618	4.300	0.016
Jul	0.928	16.348	16.240	10.186	4.343	0.018
Aug	0.985	14.759	15.382	9.058	4.143	0.019
Sep	1.024	12.297	13.252	8.506	4.134	0.020
Oct	1.032	10.768	11.598	8.517	4.254	0.021
Nov	0.435	3.612	3.923	3.208	1.777	0.009
Dec	0.424	2.913	3.084	3.071	1.787	0.008
<b>Total</b>	<b>8.544</b>	<b>103.815</b>	<b>103.296</b>	<b>78.455</b>	<b>38.767</b>	<b>0.167</b>

**Table 4****Projected Releases From Offset Account**

Month	Transit Loss (%)					
	10%	12%	14%	16%	18%	20%
Jan	0.453	2.778	2.863	3.450	2.163	0.010
Feb	0.434	2.381	2.307	3.233	2.125	0.009
Mar	0.415	2.072	1.875	3.018	2.072	0.009
Apr	0.931	10.431	9.182	10.699	5.455	0.021
May	0.926	14.457	13.508	10.899	5.295	0.021
Jun	0.970	16.880	16.564	11.450	5.244	0.021
Jul	1.031	18.578	18.884	12.127	5.297	0.022
Aug	1.094	16.771	17.886	10.783	5.053	0.024
Sep	1.138	13.974	15.410	10.126	5.042	0.025
Oct	1.147	12.236	13.486	10.140	5.187	0.026
Nov	0.483	4.105	4.562	3.819	2.167	0.011
Dec	0.471	3.311	3.586	3.657	2.179	0.010
<b>Total</b>	<b>9.493</b>	<b>117.974</b>	<b>120.113</b>	<b>93.401</b>	<b>47.279</b>	<b>0.209</b>





# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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August 31, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Release of Offset Account Water from John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide an initial accounting for a release of water from the Offset Account in John Martin Reservoir for delivery to the Stateline demanded by the Kansas Chief Engineer in accordance with the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") and the **Stipulation Re Offset Account in John Martin Reservoir** dated March 17, 1997 ("Stipulation").

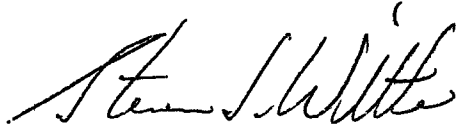
Enclosure 1 is the release record from John Martin Reservoir showing that the Kansas Chief Engineer requested a release of water from the Offset Account at the rate of 500 c.f.s. The release began at 16:00 hours, June 18, 2001 and continued until 08:30 hours, June 21, 2001. Transit losses on the release of water from the Offset Account were determined using the transit losses for Subreach 6, including bank and channel storage, as set forth in U.S. Geological Survey Water Resources Investigations 78-75.

Enclosure 2 shows the quantities of water that were in the various subaccounts of the Offset Account prior to the initiation of the release, during the release, and following the release of all water from the account. Please note that storage charge water and fully consumable water for use in offsetting depletions to usable Stateline flow was released.

Enclosure 3 shows the credit at the Stateline for the delivery of the fully consumable water released from the Offset Account. The credit was determined in accordance with paragraphs 2 and 3 of the Stipulation and was 593.38 acre-feet.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

3 Enclosures

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Don Higbee  
Jim Slattery  
Dale Straw  
Charlie DiDomenico  
✓ Bill Tyner

## JOHN MARTIN RESERVOIR: 2001

cfs

This report confirms the authorization on operations orders for John Martin Reservoir

Release orders are rounded up to nearest whole cfs

No.	Entity	Date	Time	Start	Increase or		Stop	Net	Remarks
						Decrease			
1	Amity	05-Jun	9:30		235.00	160.00			Call Through
2	Release Order	07-Jun	9:30		285.00	230.00			
3	Amity	08-Jun	9:30				160.00		
4	Release Order	08-Jun	12:00		230.00	0.00			Summer Storage Evnt
5	Keesee	12-Jun	9:30	13.62				13.50	
6	Amity	12-Jun	9:30	152.88				150.00	
7	Lamar	12-Jun	9:30	87.87				85.00	
8	Release Order	12-Jun	9:30	240.00					
9	Lamar	13-Jun	9:30		87.87	138.98		135.00	
10	Release Order	13-Jun	9:30		225.00	304.00			
11	Ft. Bent	14-Jun	9:30	28.24				28.00	
12	Lamar	14-Jun	9:30		138.98	164.67		160.00	
13	Release Order	14-Jun	9:30		304.00	360.00			
14	Ft. Bent	15-Jun	9:30		28.24	25.2		25.00	
15	Lamar	15-Jun	9:30		167.67	195.26		190.00	
16	City Lamar	15-Jun	9:30	10.08				10.00	
17	Release Order	15-Jun	9:30		360.00	400.00			
18	Ft. Bent	18-Jun	9:30		25.2	30.24		30.00	
19	Amity	18-Jun	9:30		152.88	228.52		225.00	
20	City Lamar	18-Jun	9:30		10.08	15.12		15.00	
21	Kansas	18-Jun	16:00	500.00					Offset Account Request
22	Release Order	18-Jun	9:30		400.00	483.00			
23	Release Order	18-Jun	16:00		483.00	983.00			
24	Lamar	20-Jun	9:30		195.26	199.59		196.00	
25	Ft. Bent	20-Jun	9:30		30.24	35.19		35.00	
26	Hyde	20-Jun	9:30	6.12				6.00	
27	Release Order	20-Jun	9:30		983.00	1077.00			
28	Lamar	21-Jun	9:30		199.59	183.27		180.00	
29	Ft. Bent	21-Jun	9:30		35.19	50.26		50.00	
30	Amity	21-Jun	9:30		228.52	303.08		300.00	
31	Kansas	21-Jun	8:30		500	0			Offset Account Request
32	Release Order	21-Jun	9:30		1077.00	572.00			
33	Ft. Bent	22-Jun	9:30		50.26	61.39		60.00	
34									
35									

Enclosure 1



# Enclosure 2

Offset Account

June 2001

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransI	TransOut	Rel.	Evap	Balance	Day	Inflow	TransI	TransOut	Rel.	Evap	Balance
						554.99							143.33
1	0.00	0.00	0.00	0.00	0.44	554.55	1	0.00	0.00	0.00	0.00	0.11	143.22
2	0.00	0.00	0.00	0.00	0.45	554.10	2	0.00	0.00	0.00	0.00	0.12	143.10
3	0.00	0.00	0.00	0.00	0.43	553.67	3	0.00	0.00	0.00	0.00	0.11	142.99
4	0.00	0.00	0.00	0.00	0.34	553.33	4	0.00	0.00	0.00	0.00	0.09	142.90
5	0.00	0.00	0.00	0.00	0.27	553.06	5	0.00	0.00	0.00	0.00	0.07	142.83
6	0.00	0.00	0.00	0.00	0.34	552.72	6	0.00	0.00	0.00	0.00	0.09	142.74
7	0.00	0.00	0.00	0.00	0.34	552.38	7	0.00	0.00	0.00	0.00	0.09	142.65
8	0.00	0.00	0.00	0.00	0.46	551.92	8	0.00	0.00	0.00	0.00	0.12	142.53
9	0.00	0.00	0.00	0.00	0.46	551.46	9	0.00	0.00	0.00	0.00	0.12	142.41
10	0.00	0.00	0.00	0.00	0.46	551.00	10	0.00	0.00	0.00	0.00	0.12	142.29
11	0.00	0.00	0.00	0.00	0.47	550.53	11	0.00	0.00	0.00	0.00	0.12	142.17
12	0.00	0.00	0.00	0.00	0.66	549.87	12	0.00	0.00	0.00	0.00	0.17	142.00
13	0.00	0.00	0.00	0.00	0.72	549.15	13	0.00	0.00	0.00	0.00	0.19	141.81
14	0.00	0.00	0.00	0.00	0.40	548.75	14	0.00	0.00	0.00	0.00	0.10	141.71
15	0.00	0.00	0.00	0.00	0.61	548.14	15	0.00	0.00	0.00	0.00	0.16	141.55
16	0.00	0.00	0.00	0.00	0.62	547.52	16	0.00	0.00	0.00	0.00	0.16	141.39
17	0.00	0.00	0.00	0.00	0.62	546.90	17	0.00	0.00	0.00	0.00	0.16	141.23
18	0.00	0.00	0.00	0.00	0.74	546.16	18	0.00	0.00	0.00	0.00	0.19	141.04
19	0.00	0.00	0.00	0.00	0.40	545.76	19	0.00	0.00	0.00	0.00	0.10	140.94
20	0.00	0.00	0.00	0.00	0.43	545.33	20	0.00	0.00	0.00	0.00	0.11	140.83
21	0.00	0.00	0.00	0.00	0.35	544.98	21	0.00	0.00	0.00	0.00	0.09	140.74
22	0.00	0.00	0.00	0.00	0.61	544.37	22	0.00	0.00	0.00	0.00	0.16	140.58
23	0.00	0.00	0.00	0.00	0.61	543.76	23	0.00	0.00	0.00	0.00	0.16	140.42
24	0.00	0.00	0.00	0.00	0.61	543.15	24	0.00	0.00	0.00	0.00	0.16	140.26
25	0.00	0.00	0.00	0.00	0.61	542.54	25	0.00	0.00	0.00	0.00	0.16	140.10
26	0.00	0.00	0.00	0.00	0.85	541.69	26	0.00	0.00	0.00	0.00	0.22	139.88
27	0.00	0.00	0.00	0.00	0.70	540.99	27	0.00	0.00	0.00	0.00	0.18	139.70
28	0.00	0.00	0.00	0.00	0.66	540.33	28	0.00	0.00	0.00	0.00	0.17	139.53
29	0.00	0.00	0.00	0.00	0.71	539.62	29	0.00	0.00	0.00	0.00	0.18	139.35
30	0.00	0.00	0.00	0.00	0.71	538.91	30	0.00	0.00	0.00	0.00	0.18	139.17
	0.00	0.00	0.00	0.00	16.08			0.00	0.00	0.00	0.00	4.16	
OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransI	TransOut	Rel.	Evap	Balance	Day	Inflow	TransI	TransOut	Rel.	Evap	Balance
						411.66							0.00
1	0.00	0.00	0.00	0.00	0.33	411.33	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.33	411.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.32	410.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.25	410.43	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.20	410.23	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.25	409.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.25	409.73	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.34	409.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.34	409.05	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.34	408.71	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.35	408.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.49	407.87	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.53	407.34	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.30	407.04	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	406.59	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	406.13	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.46	405.67	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.55	405.12	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.30	404.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.32	404.50	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.26	404.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.45	403.79	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.45	403.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	402.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.45	402.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.63	401.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.52	401.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.49	400.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	400.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.53	399.74	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	11.92			0.00	0.00	0.00	0.00	0.00	

### Enclosure 3

## Transit Loss Computation and Summary for Determination of Credits to Offset Depletions to Stateline Flows

### Flow Readings (in cfs)

Gage	Jun 18	Jun 19	Jun 20	Jun 21	Jun 22	Jun 23	Jun 24
JMR	481	969	1060	790	833	1210	1190
Lamar	20	121	483	428	59	543	609
Granada	26	62	267	415	241	198	470
Coolidge	162	150	190	312	364	243	329

### Antecedent Flows

### Transit Loss Computation

Subreach	Antecedent Flow	Percent Transit Loss =	$miles \times \frac{\% \text{ loss}}{mile}$
JMR-Lamar (22.9 mi)	481	2.3358%	$22.9 \times 0.102 \% / mi$
Lamar-Granada (21.5 mi)	20	6.45%	$21.5 \times 0.3 \% / mi$
Granada-Coolidge (18.3 mi)	62	4.4725 %	$18.3 \times 0.2444 \% / mi$
Subtotal		13.2583 %	
Adj Factor (500 cfs)		0.9	
Adj Factor (2.69 days)		1.5138	
Total Transit Loss		18.0634 %	

### Summary of Release

Release from Kansas Storage Charge subaccount = 467.10 acre-feet

Release from Kansas Consumable Water subaccount =  
330.58+991.74+146.31 = 1468.63 acre-feet

Release from Colorado Downstream Consumable Water subaccount =  
378.33+345.84 = 724.17 acre-feet

### Credit for Colorado Consumptive Use Water

$0.8194 \times 724.17$  (Consumptive Use Water) = 593.38 acre-feet credit



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November 15, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

RE: Notice of Delivery to the Offset Account in John Martin Reservoir

Dear Mr. Pope:

The purpose of this letter is to provide the notice required by paragraph 3 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution") of a delivery of water to the Offset Account. This letter provides the monthly reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association's (LAWMA) shares of the Highland Irrigation Company first described in my letter of August 25, 1997, which provided the initial notice of the delivery of water from this replacement source. This letter also serves to describe the adjusted operations in 2001. Adjusted operations were due to the installation and operation of a new stream gage on the Purgatoire River just below the Highland Canal diversion dam and a new measuring flume on the Highland Canal adjacent to the new stream gage. LAWMA also was able to provide alternate arrangements for the outstanding shares at the lower end of the Highland Canal so that no deliveries below Wasteway #3 were required during 2001.

The initial notice for this year's operations was sent to you and Mark Rude in the July 26, 2001 letter concerning the May 2001 Offset Account Operations. This report covers the period from the initiation of deliveries on May 20, 2001 through November 1, 2001.

### **Revised Operations for 2001**

During the 2001 season the consumptive use credits were initially measured as described in the August 25, 1997 letter through measurement at Wasteway #3 for the period from April 13, 2001 to May 19, 2001. Due to the fact that a new measurement technique with the new stream gage and the new canal flume were coming on-line, LAWMA applied the consumptive use credits up until May 20, 2001 to replace depletions in-state in lieu of receiving delivery credit to the Offset Account and assigned other water to replace stateline depletions. The consumptive use credits for this initial time period totaled 83.84 acre-feet of consumptive use water in April and 121.61 acre-feet of consumptive use water in May. These credits were applied as shown in the monthly accounting for April and May for Arkansas River replacement plans and this accounting was provided to Kansas.



Beginning May 19, 2001 the two new measuring devices were in place and operational and credits were able to be determined from that point forward using the following operational scheme.

Highland Operations with the Purgatoire River at Highland Canal (PURHILCO) stream gage and Highland Canal (HILCANCO) flume gage

For the entire 2001 season (April-October), LAWMA was able to eliminate all diversion for irrigation for outstanding shareholders of the Highland Canal down ditch from Wasteway #3. LAWMA entered into agreements with Waldrop (20 shares) and Spady (167 shares) that allowed the elimination of delivery of Highland Canal water to all acreages at the lower end of the canal. LAWMA did not attempt to take any credit associated with these shares during the 2001 season, but left this pro-rata portion of the diversions in the stream. Kansas representatives were able to visually observe the Highland Canal measuring devices and the canal itself below Wasteway #3 during the 2001 tour of dry-up acreage on October 11, 2001. During a high flow period in 2001 a portion of the canal was damaged between Wasteway #2 and Wasteway #3 so that not all of the lands at the upper end of the canal owned by Mr. Davidson (181 shares) and Mr. Nelson (50 shares) were able to be irrigated according to reports received during the dry-up tour.

The basic operation of the measurement technique with the two new gages involves the following:

1. Values for the Purgatoire at Highland and Highland Canal gages are collected each morning from the Colorado Division of Water Resources (CDWR) satellite monitoring system. These values determine how much water is physically available to the Highland Canal water rights.
2. Water District 67 ditch demand and John Martin account status are reviewed each morning to see if a Water District 67 call through John Martin exists. If a call is being exercised through John Martin, the junior water right on the Highland Canal for 38.5 cfs is considered out of priority.
3. LAWMA's pro-rata share of the Highland is determined by subtracting off the canal flume (amount assumed to be satisfying the acreage irrigated at the head of the canal by Mr. Davidson's 181 shares and Mr. Nelson's 50 shares) and applying a share percentage on the remainder left in the stream (LAWMA's shares as a percentage of total shares minus Davidson/Nelson shares).
4. Values for the Purgatoire at Las Animas and Arkansas at Las Animas gages are collected from the CDWR satellite monitoring system and are used to determine transit losses occurring from the Purgatoire at Highland gage to the confluence with the Arkansas River and from the confluence to John Martin Reservoir.
5. The net amount of LAWMA's pro-rata share after assessing transit loss is multiplied by the appropriate monthly consumptive use factor to determine the fully consumable amount that can be delivered to the Offset Account. This amount is shown as a daily inflow to the Colorado Downstream Consumable sub-account of the Offset Account.
6. The portion of the transit loss computed that is associated with bank and channel storage is credited to LAWMA for in-state replacement of depletions only and is not delivered to the Offset Account.

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for the months of May, June, July, August, September, and October 2001. The format of these spreadsheets has been revised to reflect the installation and operation of the new stream gage on the Purgatoire River just below the Highland Canal diversion dam and the new measuring flume on the Highland Canal adjacent to the new stream gage.

Enclosure 2 contains the accounting sheets for the Offset Account for May, June, July, August, September, October, and November 2001, which reflect the delivery of water to the appropriate sub-account of the Offset Account. During this initial year of operation the delivery to the Offset Account was made on a daily basis when possible. Due to the fact that there were some transmission problems with sending and receiving the satellite data for the two new gages, there were some periods of time when the flow data had to be worked from the strip charts at the gages or from transmitted data after the fact. When these occasions occurred an adjustment to the accounting was made to reconcile the Highland Canal credits. Also, because hydrographic current meter measurements were being made at these new gages as the season progressed to determine the need for shifts from the rating for each gage, there were several occasions where the partially worked hydrographic record was used to go back and adjust the daily accounting. For the above reasons, the daily/monthly Highland accounting values do not necessarily coincide with the Offset Account deliveries, but the seasonal total demonstrates that the accounting was reconciled by November 1, 2001.

Enclosure 3 provides a table summarizing the monthly consumptive use factors for the Highland Canal for each month in the irrigation season. This table has been extracted from the LAWMA Arkansas River replacement plan approval letter dated March 29, 2001 provided to Dale Book and John Draper when the plan was approved. Documentation showing the derivation of the consumptive use factors shown for the Highland Canal portion of the table at Enclosure 3 was provided to you in my letter dated November 9, 1999 which reported the deliveries to the Offset Account from LAWMA's shares of the Highland Irrigation Company.

The following table summarizes the deliveries of water into the Offset Account during the reporting period.

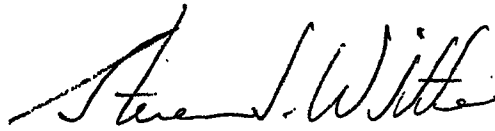
MONTH	C. U. Water (ac-ft)
May	539.76
June	107.74
July	510.58
August	116.60
September	453.49
October	200.68
November	21.28
Total	1950.13

David L. Pope  
November 15, 2001

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Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

3 Enclosures

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Charlie DiDomenico

**Enclosure 1**

**Highland Canal Accounting for 2001**

Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
 May, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
05/02/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/03/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/04/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/05/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/06/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/07/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/08/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/09/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/10/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/11/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/12/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/13/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/14/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/15/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/16/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/17/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/18/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
05/19/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
05/20/2001	62.50	59.39	0.04042	56.99	113.03	80.59	3.06
05/21/2001	62.50	59.39	0.03346	57.40	113.85	81.18	2.53
05/22/2001	57.26	54.41	0.03189	52.67	104.48	74.49	2.21
05/23/2001	60.56	57.54	0.03669	55.43	109.95	78.40	2.69
05/24/2001	44.00	41.81	0.04767	39.82	78.98	56.31	2.54
05/25/2001	31.00	29.46	0.05790	27.75	55.04	39.25	2.17
05/26/2001	24.00	22.81	0.04265	21.83	43.30	30.88	1.24
05/27/2001	22.19	21.09	0.04265	20.19	40.04	28.55	1.14
05/28/2001	10.00	9.50	0.04265	9.10	18.04	12.87	0.52
05/29/2001	18.00	17.10	0.04401	16.35	32.43	23.12	0.96
05/30/2001	15.19	14.43	0.04401	13.80	27.37	19.51	0.81
05/31/2001	12.91	12.27	0.04401	11.73	23.26	16.59	0.69
06/01/2001	10.87	10.33	0.04401	9.87	19.59	13.96	0.58
						541.73	20.54

Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
06/02/2001	15.00	14.25	0.04401	13.63	27.03	21.16	0.88
06/03/2001	11.00	10.45	0.04401	9.99	19.82	15.52	0.64
06/04/2001	7.20	6.84	0.05011	6.50	12.89	10.09	0.48
06/05/2001	7.00	6.65	0.05011	6.32	12.53	9.81	0.47
06/06/2001	5.00	4.75	0.04401	4.54	9.01	7.05	0.29
06/07/2001	3.10	2.95	0.04401	2.82	5.59	4.37	0.18
06/08/2001	9.20	8.74	0.04401	8.36	16.58	12.98	0.54
06/09/2001	14.00	13.30	0.04265	12.74	25.26	19.78	0.79
06/10/2001	6.40	6.08	0.04401	5.81	11.53	9.03	0.37
06/11/2001	3.60	3.42	0.04401	3.27	6.49	5.08	0.21
06/12/2001	1.30	1.24	0.05011	1.17	2.33	1.82	0.09
06/13/2001	0.62	0.59	0.05337	0.56	1.11	0.87	0.04
06/14/2001	0.15	0.14	0.05926	0.13	0.27	0.21	0.01
06/15/2001	0.15	0.14	0.05011	0.14	0.27	0.21	0.01
06/16/2001	0.17	0.16	0.05337	0.15	0.30	0.24	0.01
06/17/2001	0.18	0.17	0.05926	0.16	0.32	0.25	0.01
06/18/2001	0.00	0.00	0.06597	0.00	0.00	0.00	0.00
06/19/2001	0.00	0.00	0.06597	0.00	0.00	0.00	0.00
06/20/2001	0.00	0.00	0.06597	0.00	0.00	0.00	0.00
06/21/2001	0.00	0.00	0.07512	0.00	0.00	0.00	0.00
06/22/2001	0.00	0.00	0.07512	0.00	0.00	0.00	0.00
06/23/2001	0.00	0.00	0.06597	0.00	0.00	0.00	0.00
06/24/2001	0.00	0.00	0.05337	0.00	0.00	0.00	0.00
06/25/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
06/26/2001	0.20	0.19	0.05011	0.18	0.36	0.28	0.01
06/27/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
06/28/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
06/29/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
06/30/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
07/01/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
						118.76	5.05

Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
07/02/2001	0.02	0.02	0.05011	0.02	0.04	0.03	0.00
07/03/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
07/04/2001	4.20	3.99	0.05011	3.79	7.52	6.17	0.29
07/05/2001	19.70	18.72	0.05011	17.78	35.27	28.92	1.37
07/06/2001	19.50	18.53	0.05011	17.60	34.91	28.63	1.36
07/07/2001	18.00	17.10	0.05337	16.19	32.12	26.33	1.34
07/08/2001	2.40	2.28	0.05926	2.15	4.26	3.49	0.20
07/09/2001	0.99	0.94	0.05926	0.88	1.76	1.44	0.08
07/10/2001	0.45	0.43	0.06597	0.40	0.79	0.65	0.04
07/11/2001	0.00	0.00	0.07512	0.00	0.00	0.00	0.00
07/12/2001	0.00	0.00	0.07512	0.00	0.00	0.00	0.00
07/13/2001	0.00	0.00	0.07512	0.00	0.00	0.00	0.00
07/14/2001	0.23	0.22	0.05337	0.21	0.41	0.34	0.02
07/15/2001	0.52	0.49	0.04875	0.47	0.93	0.76	0.04
07/16/2001	22.90	21.76	0.03110	21.08	41.82	34.29	0.99
07/17/2001	19.20	18.24	0.03040	17.69	35.09	28.77	0.81
07/18/2001	18.60	17.67	0.03669	17.03	33.77	27.69	0.95
07/19/2001	19.20	18.24	0.05011	17.33	34.37	28.19	1.34
07/20/2001	9.70	9.22	0.05011	8.76	17.37	14.24	0.68
07/21/2001	5.40	5.13	0.05011	4.87	9.67	7.93	0.38
07/22/2001	3.40	3.23	0.05011	3.07	6.09	4.99	0.24
07/23/2001	20.20	19.19	0.05011	18.23	36.16	29.65	1.41
07/24/2001	20.40	19.38	0.04602	18.49	36.68	30.08	1.31
07/25/2001	15.70	14.92	0.05011	14.17	28.11	23.05	1.09
07/26/2001	22.70	21.57	0.05337	20.42	40.50	33.21	1.68
07/27/2001	0.00	0.00	0.04045	0.00	0.00	0.00	0.00
07/28/2001	23.65	22.47	0.00191	22.43	44.49	36.48	0.06
07/29/2001	23.79	22.61	0.04035	21.69	43.03	35.28	1.34
07/30/2001	23.79	22.61	0.04791	21.52	42.69	35.01	1.59
07/31/2001	23.79	22.61	0.05926	21.27	42.18	34.59	1.96
08/01/2001	20.00	19.00	0.05926	17.88	35.46	29.08	1.65
						529.28	22.20

Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
08/02/2001	15.00	14.25	0.06597	13.31	26.41	21.94	1.39
08/03/2001	10.00	9.50	0.06597	8.88	17.60	14.63	0.93
08/04/2001	6.50	6.18	0.06597	5.77	11.44	9.51	0.60
08/05/2001	3.50	3.33	0.06597	3.11	6.16	5.12	0.33
08/06/2001	2.30	2.19	0.06597	2.04	4.05	3.36	0.21
08/07/2001	1.90	1.81	0.06597	1.69	3.34	2.78	0.18
08/08/2001	1.10	1.05	0.07512	0.97	1.92	1.59	0.12
08/09/2001	0.31	0.29	0.07512	0.27	0.54	0.45	0.03
08/10/2001	0.00	0.00	0.06597	0.00	0.00	0.00	0.00
08/11/2001	0.00	0.00	0.05337	0.00	0.00	0.00	0.00
08/12/2001	0.00	0.00	0.05011	0.00	0.00	0.00	0.00
08/13/2001	0.08	0.08	0.05011	0.07	0.14	0.12	0.01
08/14/2001	0.09	0.09	0.05011	0.08	0.16	0.13	0.01
08/15/2001	0.11	0.10	0.05011	0.10	0.20	0.16	0.01
08/16/2001	20.20	19.19	0.05011	18.23	36.16	30.05	1.43
08/17/2001	19.00	18.05	0.05011	17.15	34.02	28.27	1.34
08/18/2001	20.70	19.67	0.05011	18.68	37.06	30.80	1.46
08/19/2001	20.90	19.86	0.05011	18.86	37.42	31.09	1.48
08/20/2001	11.00	10.45	0.05011	9.93	19.69	16.37	0.78
08/21/2001	5.30	5.04	0.05011	4.78	9.49	7.89	0.37
08/22/2001	8.40	7.98	0.05337	7.56	14.99	12.45	0.63
08/23/2001	7.90	7.51	0.05337	7.11	14.09	11.71	0.59
08/24/2001	5.30	5.04	0.05926	4.74	9.40	7.81	0.44
08/25/2001	3.10	2.95	0.06597	2.75	5.46	4.53	0.29
08/26/2001	1.50	1.43	0.06597	1.33	2.64	2.19	0.14
08/27/2001	0.87	0.83	0.06597	0.77	1.53	1.27	0.08
08/28/2001	0.57	0.54	0.05926	0.51	1.01	0.84	0.05
08/29/2001	19.70	18.72	0.05011	17.78	35.27	29.31	1.39
08/30/2001	11.00	10.45	0.05337	9.89	19.63	16.31	0.83
08/31/2001	6.80	6.46	0.05926	6.08	12.06	10.02	0.57
09/01/2001	6.30	5.99	0.06597	5.59	11.09	9.22	0.59
						309.94	16.27



Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
09/02/2001	0.00	0.00	0.08671	0.00	0.00	0.00	0.00
09/03/2001	23.07	21.92	0.06597	20.48	40.61	28.96	1.84
09/04/2001	15.00	14.25	0.06597	13.31	26.41	18.83	1.20
09/05/2001	9.00	8.55	0.05337	8.10	16.06	11.45	0.58
09/06/2001	4.90	4.66	0.05011	4.42	8.77	6.25	0.30
09/07/2001	3.20	3.04	0.05926	2.86	5.67	4.05	0.23
09/08/2001	2.20	2.09	0.05926	1.97	3.90	2.78	0.16
09/09/2001	1.40	1.33	0.05926	1.25	2.48	1.77	0.10
09/10/2001	1.20	1.14	0.05926	1.07	2.13	1.52	0.09
09/11/2001	1.20	1.14	0.07512	1.05	2.09	1.49	0.11
09/12/2001	1.10	1.05	0.07512	0.97	1.92	1.37	0.10
09/13/2001	0.49	0.47	0.07512	0.43	0.85	0.61	0.04
09/14/2001	0.49	0.47	0.07512	0.43	0.86	0.61	0.04
09/15/2001	0.51	0.48	0.07512	0.45	0.89	0.63	0.05
09/16/2001	0.52	0.50	0.07512	0.46	0.91	0.65	0.05
09/17/2001	3.16	3.00	0.07512	2.78	5.50	3.92	0.29
09/18/2001	2.04	1.94	0.07512	1.79	3.56	2.54	0.19
09/19/2001	1.38	1.31	0.06597	1.22	2.42	1.73	0.11
09/20/2001	23.25	22.09	0.05420	20.89	41.44	29.55	1.52
09/21/2001	23.34	22.18	0.04605	21.16	41.97	29.92	1.30
09/22/2001	23.40	22.23	0.05682	20.97	41.60	29.66	1.61
09/23/2001	18.70	17.77	0.05790	16.74	33.20	23.67	1.31
09/24/2001	17.71	16.83	0.06597	15.72	31.18	22.23	1.41
09/25/2001	14.91	14.17	0.07512	13.11	25.99	18.53	1.35
09/26/2001	10.11	9.61	0.07512	8.89	17.63	12.57	0.92
09/27/2001	8.21	7.80	0.07512	7.22	14.31	10.20	0.75
09/28/2001	6.15	5.84	0.07512	5.40	10.72	7.64	0.56
09/29/2001	4.40	4.18	0.07512	3.87	7.67	5.47	0.40
09/30/2001	4.35	4.13	0.07512	3.82	7.58	5.41	0.40
10/01/2001	3.49	3.32	0.07512	3.07	6.08	4.34	0.32
						288.34	17.31

Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2001

Date	In Stream in Priority (cfs)	LAWMA's Instream Portion (cfs)	Transit Loss to JMR (%)	Arrival Rate at JMR (cfs)	Arrival Quantity at JMR (ac-ft)	Amount to CU Water Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)
10/02/2001	2.68	2.55	0.07512	2.36	4.67	1.98	0.14
10/03/2001	2.21	2.10	0.07512	1.94	3.85	1.63	0.12
10/04/2001	1.68	1.60	0.08671	1.46	2.89	1.22	0.10
10/05/2001	1.88	1.79	0.08671	1.63	3.24	1.37	0.12
10/06/2001	1.41	1.34	0.07512	1.24	2.46	1.04	0.08
10/07/2001	1.30	1.24	0.07512	1.14	2.27	0.96	0.07
10/08/2001	1.13	1.07	0.07512	0.99	1.97	0.83	0.06
10/09/2001	1.05	1.00	0.08671	0.91	1.81	0.76	0.07
10/10/2001	0.83	0.79	0.08671	0.72	1.43	0.60	0.05
10/11/2001	0.35	0.33	0.08671	0.30	0.60	0.25	0.02
10/12/2001	0.25	0.24	0.08671	0.22	0.43	0.18	0.02
10/13/2001	0.10	0.10	0.07512	0.09	0.17	0.07	0.01
10/14/2001	8.46	8.04	0.08671	7.34	14.56	6.16	0.53
10/15/2001	8.97	8.52	0.07512	7.88	15.64	6.61	0.48
10/16/2001	8.06	7.66	0.07512	7.08	14.05	5.94	0.43
10/17/2001	9.14	8.68	0.07512	8.03	15.93	6.74	0.49
10/18/2001	10.94	10.40	0.07512	9.61	19.07	8.07	0.59
10/19/2001	12.58	11.95	0.07512	11.06	21.93	9.28	0.68
10/20/2001	12.24	11.63	0.07512	10.76	21.34	9.03	0.66
10/21/2001	11.80	11.21	0.07512	10.37	20.57	8.70	0.64
10/22/2001	11.52	10.95	0.07512	10.12	20.08	8.49	0.62
10/23/2001	11.50	10.93	0.06597	10.21	20.24	8.56	0.54
10/24/2001	11.50	10.93	0.07512	10.11	20.05	8.48	0.62
10/25/2001	11.46	10.89	0.07512	10.07	19.98	8.45	0.62
10/26/2001	10.93	10.39	0.07512	9.61	19.05	8.06	0.59
10/27/2001	10.80	10.26	0.07512	9.49	18.83	7.96	0.58
10/28/2001	10.75	10.21	0.07512	9.45	18.74	7.93	0.58
10/29/2001	10.94	10.40	0.07512	9.61	19.07	8.07	0.59
10/30/2001	11.10	10.55	0.07512	9.76	19.35	8.18	0.60
10/31/2001	11.10	10.55	0.07512	9.76	19.35	8.18	0.60
11/01/2001	11.22	10.66	0.07512	9.86	19.56	8.27	0.60
						162.08	11.90

**Enclosure 2**

**John Martin Offset Accounting for April-November 2001**



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						626.45							156.80
1	0.00	0.00	0.00	0.00	0.77	625.68	1	0.00	0.00	0.00	0.00	0.19	156.61
2	0.00	0.00	0.00	0.00	0.29	625.39	2	0.00	0.00	0.00	0.00	0.07	156.54
3	0.00	0.00	0.00	0.00	0.17	625.22	3	0.00	0.00	0.00	0.00	0.04	156.50
4	0.00	0.00	0.00	0.00	0.17	625.05	4	0.00	0.00	0.00	0.00	0.04	156.46
5	0.00	0.00	0.00	0.00	0.17	624.88	5	0.00	0.00	0.00	0.00	0.04	156.42
6	0.00	0.00	0.00	0.00	0.17	624.71	6	0.00	0.00	0.00	0.00	0.04	156.38
7	0.00	0.00	0.00	0.00	0.31	624.40	7	0.00	0.00	0.00	0.00	0.08	156.30
8	0.00	0.00	0.00	0.00	0.37	624.03	8	0.00	0.00	0.00	0.00	0.09	156.21
9	0.00	0.00	0.00	0.00	0.54	623.39	9	0.00	0.00	0.00	0.00	0.16	156.05
10	0.00	0.00	0.00	0.00	0.52	622.87	10	0.00	0.00	0.00	0.00	0.13	155.92
11	0.00	0.00	0.00	0.00	0.63	622.24	11	0.00	0.00	0.00	0.00	0.16	155.76
12	0.00	0.00	0.00	0.00	0.63	621.61	12	0.00	0.00	0.00	0.00	0.16	155.60
13	0.00	0.00	0.00	0.00	0.64	620.97	13	0.00	0.00	0.00	0.00	0.16	155.44
14	0.00	0.00	0.00	0.00	0.64	620.33	14	0.00	0.00	0.00	0.00	0.16	155.28
15	0.00	0.00	0.00	0.00	0.81	619.52	15	0.00	0.00	0.00	0.00	0.20	155.08
16	0.00	0.00	0.00	0.00	0.64	618.88	16	0.00	0.00	0.00	0.00	0.16	154.92
17	0.00	0.00	0.00	0.00	0.37	618.51	17	0.00	0.00	0.00	0.00	0.09	154.83
18	0.00	0.00	0.00	0.00	0.37	618.14	18	0.00	0.00	0.00	0.00	0.09	154.74
19	0.00	0.00	0.00	0.00	0.36	617.78	19	0.00	0.00	0.00	0.00	0.09	154.65
20	0.00	0.00	0.00	0.00	0.36	617.42	20	0.00	0.00	0.00	0.00	0.09	154.56
21	0.00	0.00	0.00	0.00	0.53	616.89	21	0.00	0.00	0.00	0.00	0.13	154.43
22	0.00	0.00	0.00	0.00	0.43	616.46	22	0.00	0.00	0.00	0.00	0.11	154.32
23	0.00	0.00	0.00	0.00	0.53	615.93	23	0.00	0.00	0.00	0.00	0.13	154.19
24	0.00	0.00	0.00	0.00	0.71	615.22	24	0.00	0.00	0.00	0.00	0.18	154.01
25	0.00	0.00	0.00	0.00	0.48	614.74	25	0.00	0.00	0.00	0.00	0.12	153.89
26	0.00	0.00	0.00	0.00	0.48	614.26	26	0.00	0.00	0.00	0.00	0.12	153.77
27	0.00	0.00	0.00	0.00	0.47	613.79	27	0.00	0.00	0.00	0.00	0.12	153.65
28	0.00	0.00	0.00	0.00	0.48	613.31	28	0.00	0.00	0.00	0.00	0.12	153.53
29	0.00	0.00	0.00	0.00	0.28	613.03	29	0.00	0.00	0.00	0.00	0.07	153.46
30	0.00	0.00	0.00	0.00	0.39	612.64	30	0.00	0.00	0.00	0.00	0.10	153.36
31	0.00	0.00	57.13	0.00	0.52	554.99	31	0.00	0.00	9.90	0.00	0.13	143.33
	0.00	0.00	57.13	0.00	14.33		0.00	0.00	9.90	0.00	0.00	3.57	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						469.65							0.00
1	0.00	0.00	0.00	0.00	0.58	469.07	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.22	468.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.13	468.72	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.13	468.59	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.13	468.46	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.13	468.33	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.23	468.10	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.28	467.82	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.48	467.34	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.39	466.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.47	466.48	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.47	466.01	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.48	465.53	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.48	465.05	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.61	464.44	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.48	463.96	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.28	463.68	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.28	463.40	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.27	463.13	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.27	462.86	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.40	462.46	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	462.14	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.40	461.74	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.53	461.21	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.36	460.85	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.36	460.49	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.35	460.14	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.36	459.78	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.21	459.57	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.29	459.28	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	47.23	0.00	0.39	411.66	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	47.23	0.00	10.76		0.00	0.00	0.00	0.00	0.00	0.00	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.44	554.99	1	0.00	0.00	0.00	0.00	0.11	143.33
2	0.00	0.00	0.00	0.00	0.45	554.55	2	0.00	0.00	0.00	0.00	0.12	143.22
3	0.00	0.00	0.00	0.00	0.43	553.67	3	0.00	0.00	0.00	0.00	0.11	142.99
4	0.00	0.00	0.00	0.00	0.34	553.33	4	0.00	0.00	0.00	0.00	0.09	142.90
5	0.00	0.00	0.00	0.00	0.27	553.06	5	0.00	0.00	0.00	0.00	0.07	142.83
6	0.00	0.00	0.00	0.00	0.34	552.72	6	0.00	0.00	0.00	0.00	0.09	142.74
7	0.00	0.00	0.00	0.00	0.34	552.38	7	0.00	0.00	0.00	0.00	0.09	142.65
8	0.00	0.00	0.00	0.00	0.46	551.92	8	0.00	0.00	0.00	0.00	0.12	142.53
9	0.00	0.00	0.00	0.00	0.46	551.46	9	0.00	0.00	0.00	0.00	0.12	142.41
10	0.00	0.00	0.00	0.00	0.46	551.00	10	0.00	0.00	0.00	0.00	0.12	142.29
11	0.00	0.00	0.00	0.00	0.47	550.53	11	0.00	0.00	0.00	0.00	0.12	142.17
12	0.00	0.00	0.00	0.00	0.66	549.87	12	0.00	0.00	0.00	0.00	0.17	142.00
13	0.00	0.00	0.00	0.00	0.72	549.15	13	0.00	0.00	0.00	0.00	0.19	141.81
14	0.00	0.00	0.00	0.00	0.40	548.75	14	0.00	0.00	0.00	0.00	0.10	141.71
15	0.00	0.00	0.00	0.00	0.61	548.14	15	0.00	0.00	0.00	0.00	0.16	141.55
16	0.00	0.00	0.00	0.00	0.62	547.52	16	0.00	0.00	0.00	0.00	0.16	141.39
17	0.00	0.00	0.00	0.00	0.62	546.90	17	0.00	0.00	0.00	0.00	0.16	141.23
18	0.00	0.00	0.00	0.00	0.74	546.16	18	0.00	0.00	0.00	0.00	0.19	141.04
19	0.00	0.00	0.00	0.00	0.40	545.76	19	0.00	0.00	0.00	0.00	0.10	140.94
20	0.00	0.00	0.00	0.00	0.43	545.33	20	0.00	0.00	0.00	0.00	0.11	140.83
21	0.00	0.00	0.00	0.00	0.35	544.98	21	0.00	0.00	0.00	0.00	0.09	140.74
22	0.00	0.00	0.00	0.00	0.61	544.37	22	0.00	0.00	0.00	0.00	0.16	140.58
23	0.00	0.00	0.00	0.00	0.61	543.76	23	0.00	0.00	0.00	0.00	0.16	140.42
24	0.00	0.00	0.00	0.00	0.61	543.15	24	0.00	0.00	0.00	0.00	0.16	140.26
25	0.00	0.00	0.00	0.00	0.61	542.54	25	0.00	0.00	0.00	0.00	0.16	140.10
26	0.00	0.00	0.00	0.00	0.85	541.69	26	0.00	0.00	0.00	0.00	0.22	139.88
27	0.00	0.00	0.00	0.00	0.70	540.99	27	0.00	0.00	0.00	0.00	0.18	139.70
28	0.00	0.00	0.00	0.00	0.66	540.33	28	0.00	0.00	0.00	0.00	0.17	139.53
29	0.00	0.00	0.00	0.00	0.71	539.62	29	0.00	0.00	0.00	0.00	0.18	139.35
30	0.00	0.00	0.00	0.00	0.71	538.91	30	0.00	0.00	0.00	0.00	0.18	139.17
	0.00	0.00	0.00	0.00	16.08			0.00	0.00	0.00	0.00	4.16	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.33	411.66	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.33	411.33	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.32	410.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.25	410.43	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.20	410.23	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.25	409.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.25	409.73	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.34	409.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.34	409.05	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.34	408.71	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.35	408.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.49	407.87	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.53	407.34	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.30	407.04	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	406.59	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	406.13	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.46	405.67	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.55	405.12	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.30	404.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.32	404.50	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.26	404.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.45	403.79	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.45	403.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	402.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.45	402.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.63	401.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.52	401.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.49	400.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	400.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.53	399.74	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	11.92			0.00	0.00	0.00	0.00	0.00	





OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						538.91							139.17
1	0.00	0.00	65.20	0.00	0.73	472.98	1	0.00	0.00	11.30	0.00	0.19	127.68
2	0.00	0.00	0.00	0.00	0.62	472.36	2	0.00	0.00	0.00	0.00	0.17	127.51
3	0.00	0.00	0.00	0.00	0.63	471.73	3	0.00	0.00	0.00	0.00	0.17	127.34
4	0.00	0.00	0.00	0.00	0.64	471.09	4	0.00	0.00	0.00	0.00	0.17	127.17
5	0.00	0.00	0.00	0.00	0.58	470.51	5	0.00	0.00	0.00	0.00	0.16	127.01
6	0.00	0.00	0.00	0.00	0.74	469.77	6	0.00	0.00	0.00	0.00	0.20	126.81
7	0.00	0.00	0.00	0.00	0.74	469.03	7	0.00	0.00	0.00	0.00	0.20	126.61
8	0.00	0.00	0.00	0.00	0.75	468.28	8	0.00	0.00	0.00	0.00	0.20	126.41
9	0.00	0.00	0.00	0.00	0.63	467.65	9	0.00	0.00	0.00	0.00	0.17	126.24
10	0.00	0.00	0.00	0.00	0.63	467.02	10	0.00	0.00	0.00	0.00	0.17	126.07
11	0.00	0.00	0.00	0.00	0.63	466.39	11	0.00	0.00	0.00	0.00	0.17	125.90
12	0.00	0.00	0.00	0.00	0.71	465.68	12	0.00	0.00	0.00	0.00	0.19	125.71
13	0.00	0.00	0.00	0.00	0.92	464.76	13	0.00	0.00	0.00	0.00	0.25	125.46
14	0.00	0.00	0.00	0.00	0.93	463.83	14	0.00	0.00	0.00	0.00	0.25	125.21
15	0.00	0.00	0.00	0.00	0.93	462.90	15	0.00	0.00	0.00	0.00	0.25	124.96
16	0.00	0.00	0.00	0.00	0.63	462.27	16	0.00	0.00	0.00	0.00	0.17	124.79
17	0.00	0.00	0.00	0.00	0.40	461.87	17	0.00	0.00	0.00	0.00	0.11	124.68
18	0.00	0.00	0.00	0.00	0.58	461.29	18	0.00	0.00	0.00	0.00	0.16	124.52
19	0.00	0.00	0.00	0.00	0.43	460.86	19	0.00	0.00	0.00	0.00	0.12	124.40
20	0.00	0.00	0.00	0.00	0.59	460.27	20	0.00	0.00	0.00	0.00	0.16	124.24
21	0.00	0.00	0.00	0.00	0.60	459.67	21	0.00	0.00	0.00	0.00	0.16	124.08
22	0.00	0.00	0.00	0.00	0.60	459.07	22	0.00	0.00	0.00	0.00	0.16	123.92
23	0.00	0.00	0.00	0.00	0.59	458.48	23	0.00	0.00	0.00	0.00	0.16	123.76
24	0.00	0.00	0.00	0.00	0.58	457.90	24	0.00	0.00	0.00	0.00	0.16	123.60
25	0.00	0.00	0.00	0.00	0.51	457.39	25	0.00	0.00	0.00	0.00	0.14	123.46
26	0.00	0.00	0.00	0.00	0.51	456.88	26	0.00	0.00	0.00	0.00	0.14	123.32
27	0.00	0.00	0.00	0.00	0.48	456.40	27	0.00	0.00	0.00	0.00	0.13	123.19
28	0.00	0.00	0.00	0.00	0.48	455.92	28	0.00	0.00	0.00	0.00	0.13	123.06
29	0.00	0.00	0.00	0.00	0.48	455.44	29	0.00	0.00	0.00	0.00	0.13	122.93
30	0.00	0.00	0.00	0.00	0.89	454.55	30	0.00	0.00	0.00	0.00	0.24	122.69
31	0.00	0.00	70.78	0.00	0.59	383.18	31	0.00	0.00	12.27	0.00	0.16	110.26
	0.00	0.00	135.98	0.00	19.75		0.00	0.00	23.57	0.00	0.00	5.34	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						399.74							0.00
1	0.00	0.00	53.90	0.00	0.54	345.30	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.45	344.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.46	344.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.47	343.92	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.42	343.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.54	342.96	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.54	342.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.55	341.87	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.46	341.41	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.46	340.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.46	340.49	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.52	339.97	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.67	339.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.68	338.62	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.68	337.94	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	337.48	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.29	337.19	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.42	336.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.31	336.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.43	336.03	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.44	335.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.44	335.15	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.43	334.72	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.42	334.30	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.37	333.93	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	333.56	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.35	333.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.35	332.86	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.35	332.51	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	331.86	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	58.51	0.00	0.43	272.92	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	112.41	0.00	14.41		0.00	0.00	0.00	0.00	0.00	0.00	



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						383.18							110.26
1	0.00	0.00	0.00	0.00	0.56	382.62	1	0.00	0.00	0.00	0.00	0.16	110.10
2	0.00	0.00	0.00	0.00	0.32	382.30	2	0.00	0.00	0.00	0.00	0.09	110.01
3	0.00	0.00	0.00	0.00	0.61	381.69	3	0.00	0.00	0.00	0.00	0.18	109.83
4	0.00	0.00	0.00	0.00	0.62	381.07	4	0.00	0.00	0.00	0.00	0.18	109.65
5	0.00	0.00	0.00	0.00	0.62	380.45	5	0.00	0.00	0.00	0.00	0.18	109.47
6	0.00	0.00	0.00	0.00	0.53	379.92	6	0.00	0.00	0.00	0.00	0.15	109.32
7	0.00	0.00	0.00	0.00	0.45	379.47	7	0.00	0.00	0.00	0.00	0.13	109.19
8	0.00	0.00	0.00	0.00	0.58	378.89	8	0.00	0.00	0.00	0.00	0.17	109.02
9	0.00	0.00	0.00	0.00	0.34	378.55	9	0.00	0.00	0.00	0.00	0.10	108.92
10	0.00	600.98	0.00	0.00	0.63	978.90	10	0.00	110.08	0.00	0.00	0.18	218.82
11	0.00	0.00	0.00	0.00	1.65	977.25	11	0.00	0.00	0.00	0.00	0.37	218.45
12	0.00	0.00	0.00	0.00	1.66	975.59	12	0.00	0.00	0.00	0.00	0.37	218.08
13	0.00	0.00	0.00	0.00	1.42	974.17	13	0.00	0.00	0.00	0.00	0.32	217.76
14	0.00	0.00	0.00	0.00	1.07	973.10	14	0.00	0.00	0.00	0.00	0.24	217.52
15	0.00	0.00	0.00	0.00	0.82	972.28	15	0.00	0.00	0.00	0.00	0.18	217.34
16	0.00	0.00	0.00	0.00	0.89	971.39	16	0.00	0.00	0.00	0.00	0.20	217.14
17	0.00	0.00	0.00	0.00	1.02	970.37	17	0.00	0.00	0.00	0.00	0.23	216.91
18	0.00	0.00	0.00	0.00	1.02	969.35	18	0.00	0.00	0.00	0.00	0.23	216.68
19	0.00	0.00	0.00	0.00	1.02	968.33	19	0.00	0.00	0.00	0.00	0.23	216.45
20	0.00	0.00	0.00	0.00	1.51	966.82	20	0.00	0.00	0.00	0.00	0.34	216.11
21	0.00	0.00	0.00	0.00	1.18	965.64	21	0.00	0.00	0.00	0.00	0.26	215.85
22	0.00	0.00	0.00	0.00	1.34	964.30	22	0.00	0.00	0.00	0.00	0.30	215.55
23	0.00	0.00	0.00	0.00	1.12	963.18	23	0.00	0.00	0.00	0.00	0.25	215.30
24	0.00	0.00	0.00	0.00	0.99	962.19	24	0.00	0.00	0.00	0.00	0.22	215.08
25	0.00	0.00	0.00	0.00	0.95	961.24	25	0.00	0.00	0.00	0.00	0.21	214.87
26	0.00	0.00	0.00	0.00	0.97	960.27	26	0.00	0.00	0.00	0.00	0.22	214.65
27	0.00	0.00	0.00	0.00	1.78	958.49	27	0.00	0.00	0.00	0.00	0.40	214.25
28	0.00	0.00	0.00	0.00	1.55	956.94	28	0.00	0.00	0.00	0.00	0.35	213.90
29	0.00	0.00	0.00	0.00	1.30	955.64	29	0.00	0.00	0.00	0.00	0.29	213.61
30	0.00	0.00	0.00	0.00	0.97	954.67	30	0.00	0.00	0.00	0.00	0.22	213.39
31	0.00	0.00	112.96	0.00	0.98	840.73	31	0.00	0.00	17.91	0.00	0.22	195.26
	0.00	600.98	112.96	0.00	30.47			0.00	110.08	17.91	0.00	7.17	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						272.92							0.00
1	0.00	0.00	0.00	0.00	0.40	272.52	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.23	272.29	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.43	271.86	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.44	271.42	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.44	270.98	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.38	270.60	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.32	270.28	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.41	269.87	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.24	269.63	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	490.90	0.00	0.00	0.45	760.08	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.28	758.80	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.29	757.51	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.10	756.41	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.83	755.58	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.64	754.94	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.69	754.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.79	753.46	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.79	752.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.79	751.88	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.17	750.71	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.92	749.79	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.04	748.75	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.87	747.88	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.77	747.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.74	746.37	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.75	745.62	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.38	744.24	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.20	743.04	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.01	742.03	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.75	741.28	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	95.05	0.00	0.76	645.47	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	490.90	95.05	0.00	23.30			0.00	0.00	0.00	0.00	0.00	

Table with columns for OffsetAccount-Totals, OffsetAccount-Consumable Upstream, and OffsetAccount-Consumable Kansas. Rows include Day, Inflow, TransIn, TransOut, Rel., Evap, Balance for days 1-30.

OffsetAccount-Consumable Downstream Kansas Charge

Table with columns for OffsetAccount-Consumable Downstream and OffsetAccount-Consumable Kansas Charge. Rows include Day, Inflow, TransIn, TransOut, Rel., Evap, Balance for days 1-30.

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						840.73							195.26
1	0.00	0.00	0.00	0.00	0.97	839.76	1	0.00	0.00	0.00	0.00	0.22	195.04
2	0.00	0.00	0.00	0.00	0.98	838.78	2	0.00	0.00	0.00	0.00	0.22	194.82
3	0.00	0.00	0.00	0.00	1.01	837.77	3	0.00	0.00	0.00	0.00	0.23	194.59
4	0.00	0.00	0.00	0.00	1.50	836.27	4	0.00	0.00	0.00	0.00	0.35	194.24
5	0.00	0.00	0.00	0.00	1.33	834.94	5	0.00	0.00	0.00	0.00	0.31	193.93
6	0.00	0.00	0.00	0.00	1.16	833.78	6	0.00	0.00	0.00	0.00	0.27	193.66
7	0.00	0.00	0.00	0.00	0.48	833.30	7	0.00	0.00	0.00	0.00	0.11	193.55
8	0.00	0.00	0.00	0.00	0.47	832.83	8	0.00	0.00	0.00	0.00	0.11	193.44
9	0.00	0.00	0.00	0.00	0.50	832.33	9	0.00	0.00	0.00	0.00	0.12	193.32
10	0.00	0.00	0.00	0.00	1.34	830.99	10	0.00	0.00	0.00	0.00	0.31	193.01
11	0.00	0.00	0.00	0.00	0.94	830.05	11	0.00	0.00	0.00	0.00	0.22	192.79
12	0.00	0.00	0.00	0.00	0.96	829.09	12	0.00	0.00	0.00	0.00	0.22	192.57
13	0.00	0.00	0.00	0.00	0.85	828.24	13	0.00	0.00	0.00	0.00	0.20	192.37
14	0.00	0.00	0.00	0.00	0.97	827.27	14	0.00	0.00	0.00	0.00	0.23	192.14
15	0.00	0.00	0.00	0.00	0.97	826.30	15	0.00	0.00	0.00	0.00	0.23	191.91
16	0.00	0.00	0.00	0.00	0.95	825.35	16	0.00	0.00	0.00	0.00	0.22	191.69
17	0.00	0.00	0.00	0.00	0.07	825.28	17	0.00	0.00	0.00	0.00	0.02	191.67
18	0.00	0.00	0.00	0.00	0.51	824.77	18	0.00	0.00	0.00	0.00	0.12	191.55
19	0.00	0.00	0.00	0.00	0.64	824.13	19	0.00	0.00	0.00	0.00	0.15	191.40
20	0.00	0.00	0.00	0.00	0.99	823.14	20	0.00	0.00	0.00	0.00	0.23	191.17
21	0.00	0.00	0.00	0.00	0.95	822.19	21	0.00	0.00	0.00	0.00	0.22	190.95
22	0.00	0.00	0.00	0.00	0.95	821.24	22	0.00	0.00	0.00	0.00	0.22	190.73
23	0.00	0.00	0.00	0.00	0.94	820.30	23	0.00	0.00	0.00	0.00	0.22	190.51
24	0.00	0.00	0.00	0.00	0.63	819.67	24	0.00	0.00	0.00	0.00	0.15	190.36
25	0.00	0.00	0.00	0.00	0.72	818.95	25	0.00	0.00	0.00	0.00	0.17	190.19
26	0.00	0.00	0.00	0.00	0.86	818.09	26	0.00	0.00	0.00	0.00	0.20	189.99
27	0.00	0.00	0.00	0.00	1.38	816.71	27	0.00	0.00	0.00	0.00	0.32	189.67
28	0.00	0.00	0.00	0.00	1.26	815.45	28	0.00	0.00	0.00	0.00	0.29	189.38
29	0.00	0.00	0.00	0.00	0.72	814.73	29	0.00	0.00	0.00	0.00	0.17	189.21
30	0.00	0.00	95.75	0.00	0.73	718.25	30	0.00	0.00	15.17	0.00	0.17	173.87
	0.00	0.00	95.75	0.00	26.73		0.00	0.00	15.17	0.00	6.22		

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						645.47							0.00
1	0.00	0.00	0.00	0.00	0.75	644.72	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.76	643.96	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.78	643.18	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.15	642.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.02	641.01	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.89	640.12	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.37	639.75	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.36	639.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.38	639.01	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.03	637.98	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.72	637.26	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.74	636.52	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.65	635.87	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.74	635.13	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.74	634.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.73	633.66	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.05	633.61	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.39	633.22	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.49	632.73	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.76	631.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.73	631.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.73	630.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.72	629.79	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.48	629.31	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.55	628.76	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.66	628.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.06	627.04	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.97	626.07	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.55	625.52	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	80.58	0.00	0.56	544.38	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	80.58	0.00	20.51		0.00	0.00	0.00	0.00	0.00		



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Translt Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						718.25							173.87
1	0.00	0.00	0.00	0.00	1.21	717.04	1	0.00	0.00	0.00	0.00	0.29	173.58
2	0.00	0.00	0.00	0.00	0.91	716.13	2	0.00	0.00	0.00	0.00	0.22	173.36
3	0.00	0.00	0.00	0.00	0.54	715.59	3	0.00	0.00	0.00	0.00	0.13	173.23
4	0.00	0.00	0.00	0.00	0.92	714.67	4	0.00	0.00	0.00	0.00	0.22	173.01
5	0.00	0.00	0.00	0.00	0.53	714.14	5	0.00	0.00	0.00	0.00	0.13	172.88
6	0.00	0.00	0.00	0.00	0.54	713.60	6	0.00	0.00	0.00	0.00	0.13	172.75
7	0.00	0.00	0.00	0.00	0.54	713.06	7	0.00	0.00	0.00	0.00	0.13	172.62
8	0.00	0.00	0.00	0.00	0.57	712.49	8	0.00	0.00	0.00	0.00	0.14	172.48
9	0.00	0.00	0.00	0.00	0.94	711.55	9	0.00	0.00	0.00	0.00	0.23	172.25
10	0.00	0.00	0.00	0.00	0.51	711.04	10	0.00	0.00	0.00	0.00	0.12	172.13
11	0.00	0.00	0.00	0.00	0.81	710.23	11	0.00	0.00	0.00	0.00	0.20	171.93
12	0.00	0.00	0.00	0.00	0.45	709.78	12	0.00	0.00	0.00	0.00	0.11	171.82
13	0.00	0.00	0.00	0.00	0.45	709.33	13	0.00	0.00	0.00	0.00	0.11	171.71
14	0.00	0.00	0.00	0.00	0.45	708.88	14	0.00	0.00	0.00	0.00	0.11	171.60
15	0.00	0.00	0.00	0.00	0.21	708.67	15	0.00	0.00	0.00	0.00	0.05	171.55
16	0.00	0.00	0.00	0.00	0.41	708.26	16	0.00	0.00	0.00	0.00	0.10	171.45
17	0.00	0.00	0.00	0.00	0.51	707.75	17	0.00	0.00	0.00	0.00	0.12	171.33
18	0.00	0.00	0.00	0.00	0.68	707.07	18	0.00	0.00	0.00	0.00	0.16	171.17
19	0.00	0.00	0.00	0.00	0.30	706.77	19	0.00	0.00	0.00	0.00	0.07	171.10
20	0.00	0.00	0.00	0.00	0.30	706.47	20	0.00	0.00	0.00	0.00	0.07	171.03
21	0.00	0.00	0.00	0.00	0.30	706.17	21	0.00	0.00	0.00	0.00	0.07	170.96
22	0.00	0.00	0.00	0.00	0.42	705.75	22	0.00	0.00	0.00	0.00	0.10	170.86
23	0.00	0.00	0.00	0.00	0.78	704.97	23	0.00	0.00	0.00	0.00	0.19	170.67
24	0.00	0.00	0.00	0.00	0.59	704.38	24	0.00	0.00	0.00	0.00	0.14	170.53
25	0.00	0.00	0.00	0.00	0.30	704.08	25	0.00	0.00	0.00	0.00	0.07	170.46
26	0.00	0.00	0.00	0.00	0.49	703.59	26	0.00	0.00	0.00	0.00	0.12	170.34
27	0.00	0.00	0.00	0.00	0.49	703.10	27	0.00	0.00	0.00	0.00	0.12	170.22
28	0.00	0.00	0.00	0.00	0.49	702.61	28	0.00	0.00	0.00	0.00	0.12	170.10
29	0.00	0.00	0.00	0.00	0.45	702.16	29	0.00	0.00	0.00	0.00	0.11	169.99
30	0.00	0.00	0.00	0.00	0.41	701.75	30	0.00	0.00	0.00	0.00	0.10	169.89
31	0.00	0.00	86.32	0.00	0.78	614.65	31	0.00	0.00	13.69	0.00	0.19	156.01
	0.00	0.00	86.32	0.00	17.28			0.00	0.00	13.69	0.00	4.17	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						544.38							0.00
1	0.00	0.00	0.00	0.00	0.92	543.46	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.69	542.77	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.41	542.36	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.70	541.66	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.40	541.26	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.41	540.85	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.41	540.44	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.43	540.01	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.71	539.30	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.39	538.91	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.61	538.30	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.34	537.96	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.34	537.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.34	537.28	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.16	537.12	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.31	536.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.39	536.42	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.52	535.90	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.23	535.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	535.44	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.23	535.21	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	534.89	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.59	534.30	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	533.85	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.23	533.62	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	533.25	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.37	532.88	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.37	532.51	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.34	532.17	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.31	531.86	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	72.63	0.00	0.59	458.64	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	72.63	0.00	13.11			0.00	0.00	0.00	0.00	0.00	





OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						614.65							156.01
1	0.00	0.00	0.00	0.00	0.55	614.10	1	0.00	0.00	0.00	0.00	0.14	155.87
2	0.00	0.00	0.00	0.00	0.28	613.82	2	0.00	0.00	0.00	0.00	0.07	155.80
3	0.00	0.00	0.00	0.00	0.28	613.54	3	0.00	0.00	0.00	0.00	0.07	155.73
4	0.00	0.00	0.00	0.00	0.28	613.26	4	0.00	0.00	0.00	0.00	0.07	155.66
5	0.00	0.00	0.00	0.00	0.31	612.95	5	0.00	0.00	0.00	0.00	0.08	155.58
6	0.00	0.00	0.00	0.00	0.43	612.52	6	0.00	0.00	0.00	0.00	0.11	155.47
7	0.00	0.00	0.00	0.00	0.54	611.98	7	0.00	0.00	0.00	0.00	0.14	155.33
8	0.00	0.00	0.00	0.00	0.20	611.78	8	0.00	0.00	0.00	0.00	0.05	155.28
9	0.00	0.00	0.00	0.00	0.20	611.58	9	0.00	0.00	0.00	0.00	0.05	155.23
10	0.00	0.00	0.00	0.00	0.20	611.38	10	0.00	0.00	0.00	0.00	0.05	155.18
11	0.00	0.00	0.00	0.00	0.20	611.18	11	0.00	0.00	0.00	0.00	0.05	155.13
12	0.00	0.00	0.00	0.00	0.23	610.95	12	0.00	0.00	0.00	0.00	0.06	155.07
13	0.00	0.00	0.00	0.00	0.28	610.67	13	0.00	0.00	0.00	0.00	0.07	155.00
14	0.00	0.00	0.00	0.00	0.13	610.54	14	0.00	0.00	0.00	0.00	0.03	154.97
15	0.00	0.00	0.00	0.00	0.00	610.54	15	0.00	0.00	0.00	0.00	0.00	154.97
16	0.00	0.00	0.00	0.00	0.00	610.54	16	0.00	0.00	0.00	0.00	0.00	154.97
17	0.00	0.00	0.00	0.00	0.00	610.54	17	0.00	0.00	0.00	0.00	0.00	154.97
18	0.00	0.00	0.00	0.00	0.00	610.54	18	0.00	0.00	0.00	0.00	0.00	154.97
19	0.00	0.00	0.00	0.00	0.00	610.54	19	0.00	0.00	0.00	0.00	0.00	154.97
20	0.00	0.00	0.00	0.00	0.00	610.54	20	0.00	0.00	0.00	0.00	0.00	154.97
21	0.00	0.00	0.00	0.00	0.00	610.54	21	0.00	0.00	0.00	0.00	0.00	154.97
22	0.00	0.00	0.00	0.00	0.00	610.54	22	0.00	0.00	0.00	0.00	0.00	154.97
23	0.00	0.00	0.00	0.00	0.00	610.54	23	0.00	0.00	0.00	0.00	0.00	154.97
24	0.00	0.00	0.00	0.00	0.00	610.54	24	0.00	0.00	0.00	0.00	0.00	154.97
25	0.00	0.00	0.00	0.00	0.00	610.54	25	0.00	0.00	0.00	0.00	0.00	154.97
26	0.00	0.00	0.00	0.00	0.00	610.54	26	0.00	0.00	0.00	0.00	0.00	154.97
27	0.00	0.00	0.00	0.00	0.00	610.54	27	0.00	0.00	0.00	0.00	0.00	154.97
28	0.00	0.00	0.00	0.00	0.00	610.54	28	0.00	0.00	0.00	0.00	0.00	154.97
29	0.00	0.00	0.00	0.00	0.00	610.54	29	0.00	0.00	0.00	0.00	0.00	154.97
30	0.00	0.00	0.00	0.00	0.00	610.54	30	0.00	0.00	0.00	0.00	0.00	154.97
	0.00	0.00	0.00	0.00	4.11			0.00	0.00	0.00	0.00	1.04	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						458.64							0.00
1	0.00	0.00	0.00	0.00	0.41	458.23	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.21	458.02	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.21	457.81	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.21	457.60	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.23	457.37	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.32	457.05	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.40	456.65	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.15	456.50	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.15	456.35	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.15	456.20	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.15	456.05	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.17	455.88	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.21	455.67	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.10	455.57	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	455.57	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	455.57	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	455.57	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	455.57	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	455.57	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	455.57	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	455.57	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	455.57	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	455.57	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	455.57	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	455.57	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	455.57	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	455.57	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	455.57	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	455.57	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	455.57	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	3.07			0.00	0.00	0.00	0.00	0.00	

**Enclosure 3**

**Consumptive Use Values for LAWMA's Water Rights in the Highland Canal**

**TABLE 1  
CONSUMPTIVE USE FACTORS AND VOLUMETRIC LIMITATIONS FOR LAWMA'S DIRECT FLOW RIGHTS**

Canal	Measuring Point for LAWMA's shares	Number of Acres Dried Up by LAWMA (ac)	Average Delivery at Measurement Point (ac-ft/ac)	Maximum Delivery at Measurement Point (ac-ft/ac)	Cumulative Delivery for 10 Years (ac-ft)	Maximum Annual Delivery (ac-ft)	CU as % of Delivery (%)	Cumulative CU Credit for 10 Years (ac-ft)	Maximum Annual CU Credit (ac-ft)
Ft Bent Shares at Clay Creek Turnout	Farm Turnout	872.3	2.77	3.82	24,163	3,332	66.1	15,963	2,128
Lamar Shares left in Ditch	Canal Flume	23.9	4.02	5.40	961	129	46.7	449	60
Manvel Canal at River Headgate	River Headgate	476.1	4.02	5.40	19,135	2,570	50.0	9,568	1,285
XY Canal at River Headgate	River Headgate	3,364.2	2.83	4.40	95,207	14,802	65.8	62,646	9,740
Stubbs Canal at River Headgate	River Headgate	257.0	2.71	4.44	6,965	1,141	67.9	4,729	775

- Notes:
- 1) The procedure to calculate the consumptive use factors is documented in Helton & Williamsen's May 10, 1999 memorandum.
  - 2) The average delivery at the measuring point is determined from crop irrigation requirement and efficiencies as described in Helton & Williamsen's April 30, 1998 memorandum entitled "LAWMA's Consumptive Use Factors and Annual Limitations for Water Rights Located Downstream of John Martin"
  - 3) The dried up acres shown are documented in LAWMA's February 27, 2001 Rule 14 plan proposal.

**Highland Canal**

Month	CU as % of Water at Wasteway No. 3	CU as % of Water at River Headgate
April	68.2	65.7
May	73.4	71.3
June	79.9	78.3
July	83.2	82.0
August	84.0	83.1
September	73.2	71.3
October	46.5	42.3
Volumetric Limitation	Delivery at Wasteway No. 3	Delivery at River Headgate
Cumulative Delivery for 10 Years (ac-ft)	90,870	101,940
Maximum Annual Delivery (ac-ft)	10,804	12,021
Cumulative Credit for 10 Years (ac-ft)	73,847	76,791
Maximum Annual CU Credit (ac-ft)	8,622	9,052

## **SECTION 4**

# STATE OF COLORADO

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January 16, 2001



Bill Owens  
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Hal D. Simpson, P.E.  
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Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
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Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P. O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for November, 2000

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of November, 2000.

Table 1 shows the amount of pumping during the month of November, 2000 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those

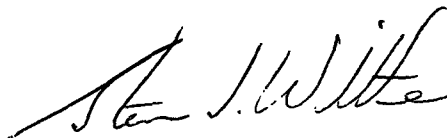
river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches. These percentages reflect the fact that there was a call by a Colorado surface water right in those reaches on none of the days during November. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As indicated in Table 3, 779.2 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 779.2 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. As of November 30, 2000, there were 1090.41 acre-feet being stored in the Offset Account.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

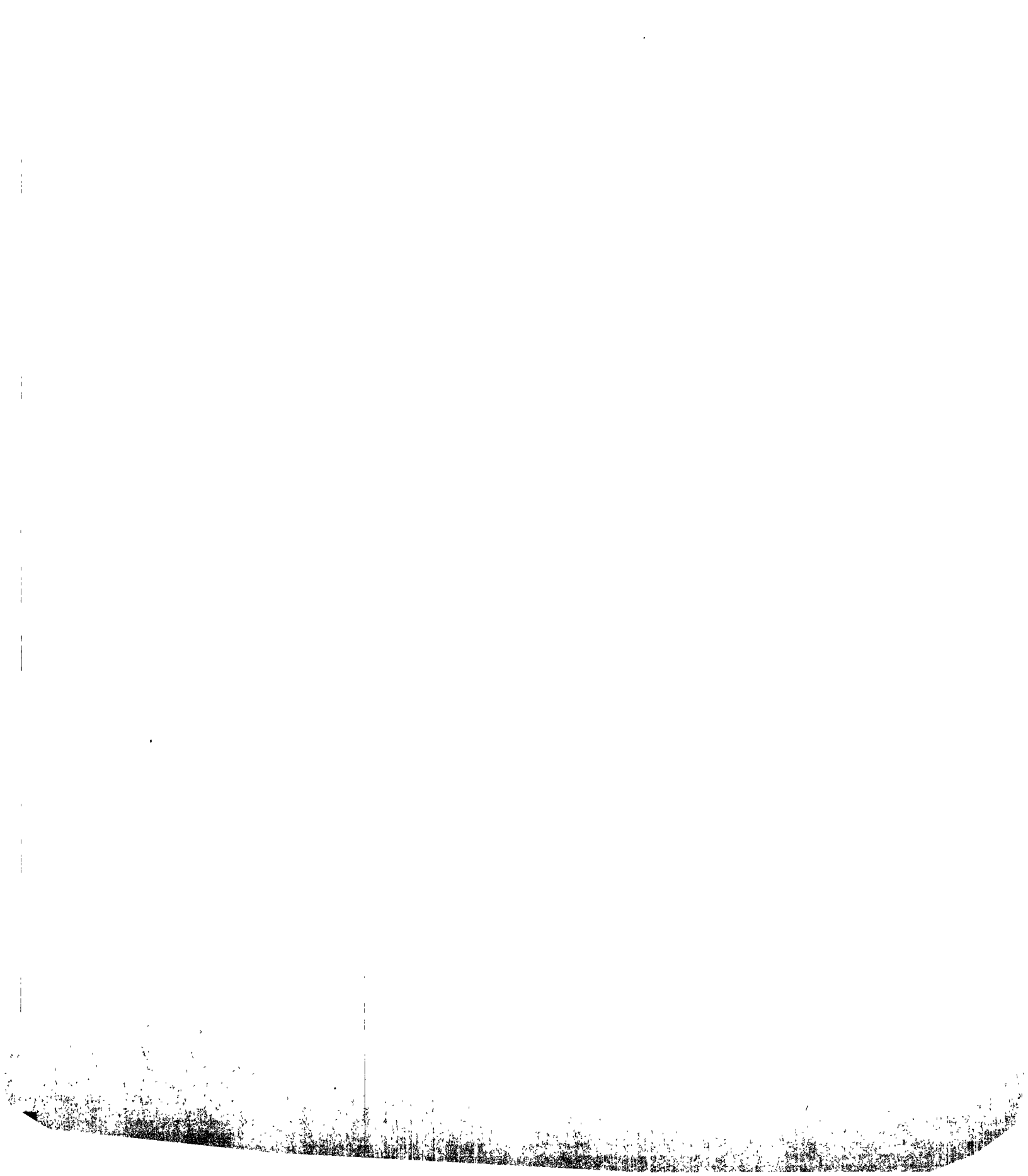
cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Charlie Didomenico  
Dale Straw  
Aurelio Sisneros  
Randy Hayzlett  
David A. Brenn  
Rod Kuharich  
Thomas R. Pointon  
James G. Rogers  
Jim Slattery

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**November, 2000**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	Bessemer	140	50
2	Booth Orchard	1	1
3	Excelsior	22	15
4	Collier	0	0
5	Colorado	75	31
6	Rocky Ford Highline	16	6
7	Oxford	0	0
8	Otero	9	3
9	Catlin	306	92
10	Fort Lyon Up Stream	145	45
11	Rocky Ford	0	0
12	Holbrook	24	11
13	Las Animas Consolidated	0	0
14	Baldwin-Stubbs	0	0
15	Fort Bent	8	4
16	Keese	0	0
17	Amity	381	147
18	Lamar/Manvel	338	113
19	Hyde	38	11
20	Fort Lyon Down Stream	198	59
21	XY Graham	0	0
22	Buffalo	1	0
23	Sisson	0	0
24	Stateline Sole Source	115	89
600	LAWMA APOD	193	62
601	LAWMA APOD	0	0
602	LAWMA APOD	0	0
	Totals	2010	739







## STATE OF COLORADO

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February 15, 2001

<http://water.state.co.us/default.htm>David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P. O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for December, 2000

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of December, 2000.

Table 1 shows the amount of pumping during the month of December, 2000 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those

Bill Owens  
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State EngineerSteven J. Witte, P.E.  
Division Engineer

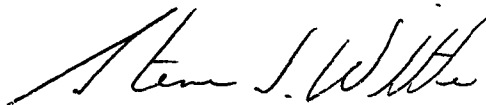
river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, 13, 14, 15, and 16, no replacements to senior surface water rights in Colorado were made due to the fact that there was no call by a Colorado surface water right in those reaches during December. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As indicated in Table 3, 275.0 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 275.0 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. As of December 31, 2000, there were 1084.14 acre-feet being stored in the Offset Account.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Charlie Didomenico  
Dale Straw  
Aurelio Sisneros  
Randy Hayzlett  
David A. Brenn  
Rod Kuharich  
Thomas R. Pointon  
James G. Rogers  
Jim Slattery

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**December, 2000**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	Bessemer	75.9	26.36
2	Booth Orchard	0.24	0.13
3	Excelsior	3.95	2.71
4	Collier	0	0
5	Colorado	3.71	1.85
6	Rocky Ford Highline	1.53	0.46
7	Oxford	0.4	0.12
8	Otero	5.47	1.68
9	Catlin	226.1	67.93
10	Fort Lyon Up Stream	13.73	4.15
11	Rocky Ford	0.08	0.03
12	Holbrook	3.65	1.64
13	Las Animas Consolidated	0	0
14	Baldwin-Stubbs	1.02	0.51
15	Fort Bent	1.45	0.63
16	Keese	0.13	0.08
17	Amity	199.4	89.35
18	Lamar/Manvel	2.67	0.93
19	Hyde	0	0
20	Fort Lyon Down Stream	45.42	13.99
21	XY Graham	0	0
22	Buffalo	0.14	0.04
23	Sisson	0.16	0.11
24	Stateline Sole Source	0	0
600	LAWMA APOD	0	0
601	LAWMA APOD	0	0
602	LAWMA APOD	0.03	0.02
	Totals	585.18	212.73

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**December, 2000**

**USER NUMBER**

15	16	17	18	19	20	21	22	23	24	Total
1	0	17	1	0	14	0	0	0	0	33

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**December, 2000**

**REACH NUMBER**

	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	27.2	77.5	167.2	177.1	190.7	150.2	248.7	863.2	49.2	1951.0
Depletion to Usable SL Flow	9.5	27.0	58.4	61.8	66.6	52.4	86.8	301.3	17.2	680.9
Replacements										
FRY-ARK Return Flows	8.2	22.6	27.7	9.9						68.5
LAWMA-CO Beef Credit										
LAWMA-Ft Bent Ditch Shrs										
LAWMA-Stubbs Direct Flow										
LAWMA-XY Direct Flow										
LAWMA-Manvel Direct Flow										
Offset Account Release Credits	342.1									
Offset Account Water	275.0									275.0
Total Replacements	625.3	22.6	27.7	9.9						685.5



# STATE OF COLORADO

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March 23, 2001



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Kansas Board of Agriculture  
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Ms. Jan Anderson  
Recording Secretary  
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Bill Owens  
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Greg E. Walcher  
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Hal D. Simpson, P.E.  
State Engineer  
Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for January, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of January, 2001.

Table 1 shows the amount of pumping during the month of January, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those


river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, 13, 14, 15, and 16, no replacements to senior surface water rights in Colorado were made due to the fact that there was no call by a Colorado surface water right in those reaches during January. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As of January 31, 2001, there were 1081.77 acre-feet being stored in the offset account.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Don Taylor  
Dale Straw

Aurelio Sisneros  
Randy Hayzlett  
David A. Brenn  
Rod Kuharich  
Thomas R. Pointon  
James G. Rogers  
Jim Slattery



**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**January, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	Bessemer	7.22	4.12
2	Booth Orchard	0.23	0.11
3	Excelsior	2.58	1.38
4	Collier	0.00	0.00
5	Colorado	12.33	5.95
6	Rocky Ford Highline	4.99	1.52
7	Oxford	0.09	0.03
8	Otero	0.00	0.00
9	Catlin	1.89	0.98
10	Fort Lyon Up Stream	13.33	6.65
11	Rocky Ford	0.08	0.03
12	Holbrook	2.18	1.07
13	Las Animas Consolidated	0.00	0.00
14	Baldwin-Stubbs	0.00	0.00
15	Fort Bent	0.01	0.00
16	Keese	0.00	0.00
17	Amity	192.31	96.15
18	Lamar/Manvel	17.16	5.96
19	Hyde	0.00	0.00
20	Fort Lyon Down Stream	110.30	33.09
21	XY Graham	0.00	0.00
22	Buffalo	0.00	0.00
23	Sisson	0.46	0.32
24	Stateline Sole Source	0.00	0.00
600	LAWMA APOD	0.00	0.00
601	LAWMA APOD	0.00	0.00
602	LAWMA APOD	0.00	0.00
	<b>Totals</b>	<b>365.16</b>	<b>157.36</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**January, 2001**

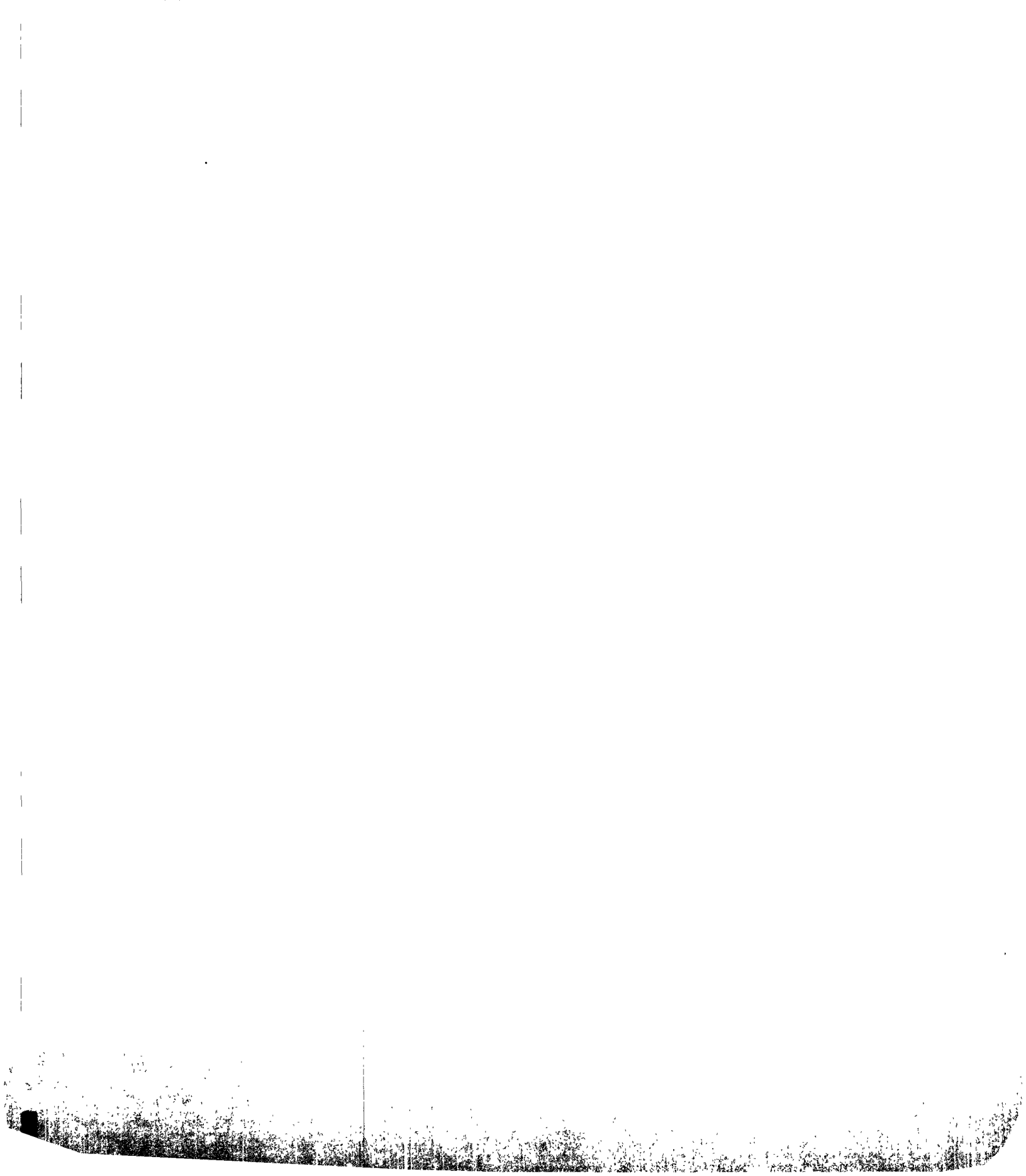
**USER NUMBER**

15	16	17	18	19	20	21	22	23	24	Total
0	0	0	6	0	33	0	0	0	0	39

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**January, 2001**

**REACH NUMBER**

	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	23.93	62.19	142.36	154.45	157.23	134.28	223.07	703.55	46.46	1647.52
Depletion to Usable SL Flow	8.35	21.70	49.68	53.90	54.87	46.86	77.85	245.54	16.21	574.96
Replacements										
FRY-ARK Return Flows	7.16	18.12	25.30	8.00						58.58
LAWMA-CO Beef Credit										
LAWMA-Ft Bent Ditch Shrs										
LAWMA-Stubbs Direct Flow										
LAWMA-XY Direct Flow										
LAWMA-Manvel Direct Flow										
Offset Account Release Credit	520.3									520.3
Offset Account Water										
Total Replacements	527.46	18.12	25.30	8.00						578.88



# STATE OF COLORADO

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April 17, 2001

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Kansas Board of Agriculture  
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Topeka, KS 66612-1283

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Steven J. Witte, P.E.  
Division Engineer

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

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Table 1 shows the amount of pumping during the month of February, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those

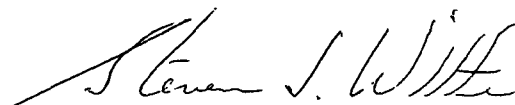
river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, 13, 14, 15, and 16, no replacements to senior surface water rights in Colorado were made due to the fact that there was no call by a Colorado surface water right in those reaches during February. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As of February 28, 2001, there were 1178.25 acre-feet being stored in the offset account.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Don Taylor  
Dale Straw

Aurelio Sisneros  
Randy Hayzlett  
David A. Brenn  
Rod Kuharich  
Thomas R. Pointon  
James G. Rogers  
Jim Slattery

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**February, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	Bessemer	24.90	9.36
2	Booth Orchard	0.24	0.11
3	Excelsior	3.45	1.96
4	Collier	0.00	0.00
5	Colorado	1.32	0.78
6	Rocky Ford Highline	56.14	54.47
7	Oxford	0.16	0.05
8	Otero	0.00	0.00
9	Catlin	7.10	4.87
10	Fort Lyon Up Stream	2.68	0.83
11	Rocky Ford	0.11	0.04
12	Holbrook	4.96	2.46
13	Las Animas Consolidated	0.00	0.00
14	Baldwin-Stubbs	0.00	0.00
15	Fort Bent	6.11	3.05
16	Keese	0.30	0.18
17	Amity	146.03	72.79
18	Lamar/Manvel	56.52	19.78
19	Hyde	0.00	0.00
20	Fort Lyon Down Stream	32.50	9.75
21	XY Graham	0.00	0.00
22	Buffalo	1.02	0.31
23	Sisson	0.00	0.00
24	Stateline Sole Source	0.06	0.05
600	LAWMA APOD	0.00	0.00
601	LAWMA APOD	0.00	0.00
602	LAWMA APOD	0.08	0.06
	<b>Totals</b>	<b>343.68</b>	<b>180.90</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**February, 2001**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
3	0	0	20	0	10	0	0	0	0	33

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**February, 2001**

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	21.21	51.96	128.31	137.98	129.65	121.99	205.83	599.67	42.42	1439.02
Depletion to Usable SL Flow	7.40	18.13	44.78	48.15	45.25	42.57	71.83	209.29	14.80	502.20
Replacements										
FRY-ARK Return Flows	6.27	15.03	23.40	6.98						51.68
LAWMA-CO Beef Credit										
LAWMA-Ft Bent Ditch Shrs										
LAWMA-Stubbs Direct Flow										
LAWMA-XY Direct Flow										
LAWMA-Manvel Direct Flow										
Offset Account Release Credit	361.30									361.30
Offset Account Water										
Total Replacements	367.57	15.03	23.40	6.98						412.98





# STATE OF COLORADO

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May 17, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for March, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of March, 2001.

Table 1 shows the amount of pumping during the month of March, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, 13, 14, 15, and 16, no replacements to senior surface water rights in Colorado were made due to the fact that there was no call by a Colorado surface water right in those reaches during March. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As indicated in Table 3, 399.35 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 399.35 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution.

At 2400 hours on March 31, 2001, 1,688.11 acre-feet of water was transferred to the Offset Account from LAWMA's X-Y/Graham Article II account. 500 acre-feet from this transfer was placed in the Kansas Storage Charge subaccount of the Offset Account. 500 acre-feet of fully consumable water was also placed in the Colorado Downstream Consumable Water subaccount. The remaining 688.11 acre-feet of the transfer was placed in the Stateline Return Flow subaccount (519.3 acre-feet) and the Return Flow Transit Loss subaccount (168.81 acre-feet) of the Offset Account. The accounting spreadsheet for the Offset Account for the month of March is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude  
John Draper  
Dale Book  
Hal Simpson  
Dennis Montgomery  
Don Taylor  
Dale Straw

Aurelio Sisneros  
Randy Hayzlett  
David A. Brenn  
Rod Kuharich  
Thomas R. Pointon  
James G. Rogers  
Jim Slattery

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**March, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	Bessemer	189.53	83.18
2	Booth Orchard	25.38	17.55
3	Excelsior	90.33	57.53
4	Collier	8.47	4.24
5	Colorado	126.57	66.13
6	Rocky Ford Highline	79.37	26.05
7	Oxford	34.27	10.60
8	Otero	5.52	1.66
9	Catlin	304.98	109.75
10	Fort Lyon Up Stream	46.76	24.91
11	Rocky Ford	32.87	10.34
12	Holbrook	28.80	8.64
13	Las Animas Consolidated	0.81	0.39
14	Baldwin-Stubbs	71.07	35.54
15	Fort Bent	16.97	8.41
16	Keese	27.70	8.35
17	Amity	133.15	66.95
18	Lamar/Manvel	54.57	18.32
19	Hyde	0.00	0.00
20	Fort Lyon Down Stream	32.59	10.09
21	XY Graham	0.00	0.00
22	Buffalo	0.00	0.00
23	Sisson	0.00	0.00
24	Stateline Sole Source	0.00	0.00
600	LAWMA APOD	30.60	9.79
601	LAWMA APOD	0.00	0.00
602	LAWMA APOD	0.03	0.02
	<b>Totals</b>	<b>1340.34</b>	<b>578.44</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**March, 2001**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
8	8	5	18	0	10	0	0	0	0	49

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**March, 2001**

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	18.72	46.90	116.02	123.64	107.67	111.45	189.70	512.11	37.46	1263.67
Depletion to Usable SL Flow	6.53	16.37	40.49	43.15	37.58	38.90	66.21	178.73	13.07	441.03
Replacements										
FRY-ARK Return Flows	5.58	12.83	21.82	4.41						44.64
LAWMA-CO Beef Credit										
LAWMA-Ft Bent Ditch Shrs										
LAWMA-Stubbs Direct Flow										
LAWMA-XY Direct Flow										
LAWMA-Manvel Direct Flow										
Offset Account Release Credit										
Offset Account Water	399.35									399.35
Total Replacements	404.93	12.83	21.82	4.41						443.99

Enclosure 1

John Martin Accounting for March 2001









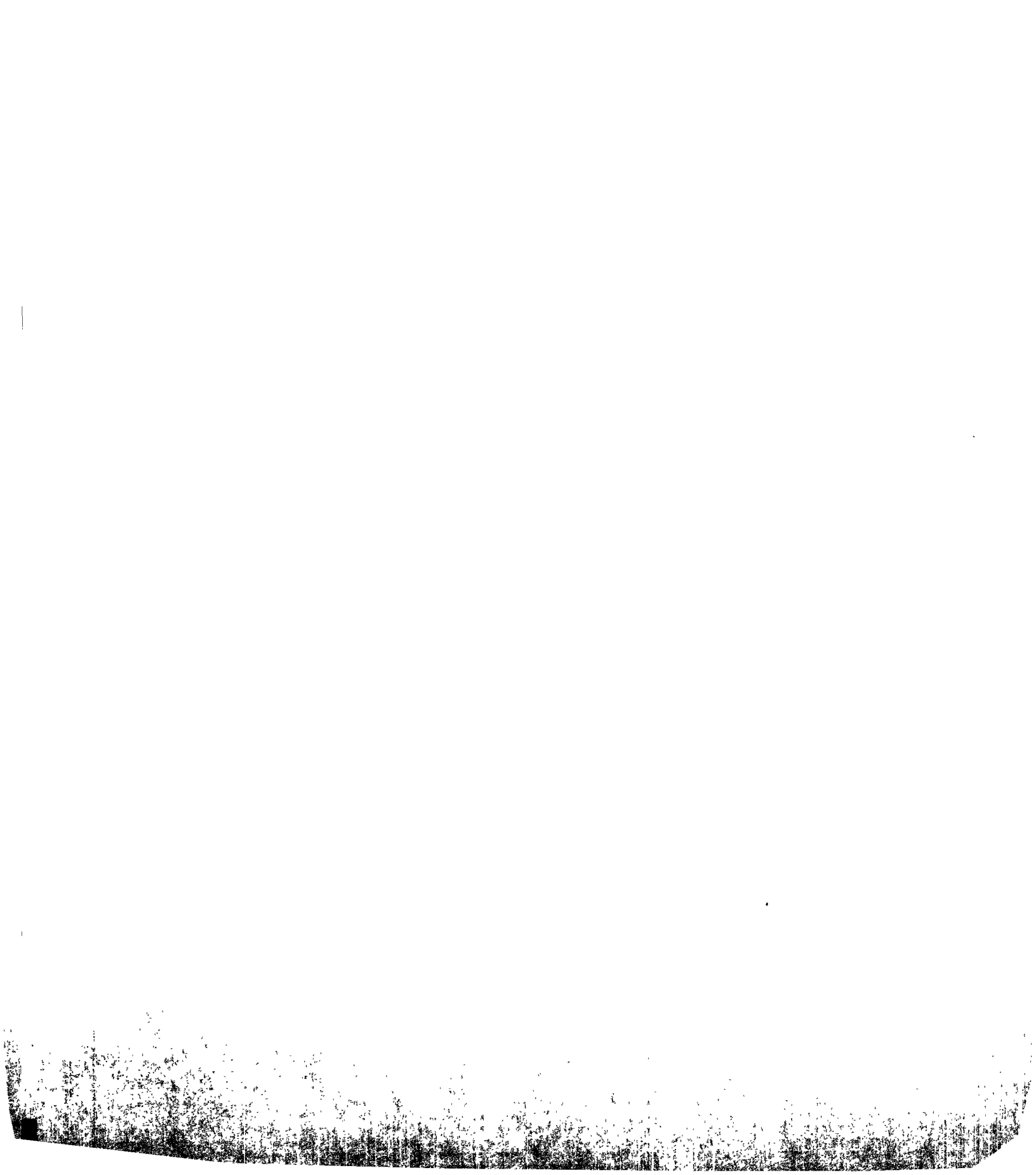












# STATE OF COLORADO

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June 22, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for April, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of April, 2001.

Table 1 shows the amount of pumping during the month of April, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

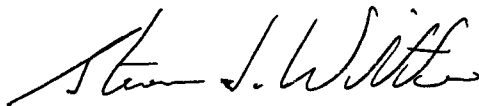
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was no call by a Colorado surface water right in those reaches on all of the days in April. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 47% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 14 of the days in April. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

As indicated in Table 3, 278 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 278 acre-feet will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account 30 days after the date of this notification letter in order that evaporation be charged as provided for by paragraph 5B of the Resolution. Alternatively, a portion, or all of the amount may be taken as credit against the Kansas Offset Account release initiated on June 18, 2001, if there is insufficient water in the Colorado Consumable Water subaccount of the Offset Account to move to the Kansas Consumable Water subaccount on July 22, 2001.

There were no operations involving the Offset Account during the month of April, 2001. As of April 30, 2001, there were 2,677.19 acre-feet being stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Mark Rude	Aurelio Sisneros	John Draper
	Randy Hayzlett	Dale Book	David A. Brenn
	Hal Simpson	Rod Kuharich	Dennis Montgomery
	Thomas R. Pointon	Charlie DiDomenico	James G. Rogers
	Dale Straw	Jim Slattery	



**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**April, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	Bessemer	615	259
2	Booth Orchard	92	55
3	Excelsior	218	139
4	Collier	37	19
5	Colorado	292	127
6	Rocky Ford Highline	279	89
7	Oxford	163	49
8	Otero	7	2
9	Catlin	348	144
10	Fort Lyon Up Stream	392	124
11	Rocky Ford	89	30
12	Holbrook	115	35
13	Las Animas Consolidated	6	3
14	Baldwin-Stubbs	936	483
15	Fort Bent	42	23
16	Keese	330	101
17	Amity	1216	688
18	Lamar/Manvel	1041	341
19	Hyde	130	40
20	Fort Lyon Down Stream	692	282
21	XY Graham	251	114
22	Buffalo	0	0
23	Sisson	1	1
24	Stateline Sole Source	141	75
600	LAWMA APOD	907	290
601	LAWMA APOD	12	4
602	LAWMA APOD	0	0
	<b>Totals</b>	<b>8352</b>	<b>3517</b>



Enclosure 1

John Martin Accounting for April 2001





















# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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July 26, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for May, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of May, 2001.

Table 1 shows the amount of pumping during the month of May, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

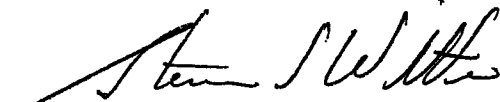
Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 68% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 21 of the days in May. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 39% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 12 of the days in May. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was initiated during the month of May, 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 539.76 acre-feet of fully consumable water into the Offset Account during May, 2001. As of May 31, 2001, there were 3152.59 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of May is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude Aurelio Sisneros John Draper  
Randy Hayzlett Dale Book David A. Brenn  
Hal Simpson Rod Kuharich Dennis Montgomery  
Thomas R. Pointon Charlie DiDomenico James G. Rogers  
Dale Straw Jim Slattery

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**May, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	BESSEMER	1296	589
2	BOOTH ORCHARD	183	101
3	EXCELSIOR	309	215
4	COLLIER	53	19
5	COLORADO	326	160
6	ROCKY FORD HIGHLINE	304	101
7	OXFORD	172	57
8	OTERO	45	16
9	CATLIN	1082	487
10	FORT LYON US	707	246
11	ROCKY FORD	76	24
12	HOLBROOK	139	43
13	LAS ANIMAS CONSOLIDATED	86	36
14	BALDWIN-STUBBS	1147	579
15	FORT BENT	26	13
16	KEESE	195	60
17	AMITY	1496	702
18	LAMAR/MANVEL	505	203
19	HYDE	97	29
20	FORT LYON DS	751	342
21	XY GRAHAM	160	79
22	BUFFALO	302	91
23	SISSON	22	15
24	STATELINE SOLE SOURCE	920	592
600	LAWMA A.P.D.	1133	362
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	0	0
	<b>Totals</b>	<b>11532</b>	<b>5161</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**May, 2001**

<b>USER NUMBER</b>										
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
31	137	701	609	50	205	251	40	0	1188	3212

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**May, 2001**

<b>REACH NUMBER</b>										
	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>
Remaining Depletion	18.18	125.07	163.68	154.42	112.88	124.40	245.66	605.20	24.19	1573.68
Depletion to Usable SL Flow	4.80	33.04	43.24	77.51	56.66	62.44	201.20	495.66	19.81	994.36
Replacements										
FRY-ARK Return Flows	0.00	0.00								0.00
LAWMA-CO Beef Credit				29.02						29.02
LAWMA-Ft Bent Ditch Shrs				295.90						295.90
LAWMA-Stubbs Direct Flow								68.00		68.00
LAWMA-XY Direct Flow					405.00					405.00
LAWMA-Manvel Direct Flow					200.00					200.00
Offset Account Release Credit										
Offset Account Water	0.00									0.00
Total Replacements	0.00	0.00	0.00	324.92	605.00	0.00	0.00	68.00	0.00	997.92



Enclosure 1

John Martin Accounting for May 2001



John Martin Monthly Accounting May 2001

Agreement-InterState Kansas							Agreement-InterState Transit Loss							Agreement-Summer Stored Keesee						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						81463.25							1678.70							0.00
1	0.00	0.00	0.00	0.00	75.76	81387.49	1	0.00	0.00	0.00	0.00	2.07	1674.83	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	28.28	81359.21	2	0.00	0.00	0.00	0.00	0.77	1673.86	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	17.19	81342.02	3	0.00	0.00	0.00	0.00	0.47	1673.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	17.35	81324.67	4	0.00	0.00	0.00	0.00	0.47	1672.92	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	17.49	81307.18	5	0.00	0.00	0.00	0.00	0.48	1672.44	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	17.52	81289.66	6	0.00	0.00	0.00	0.00	0.48	1671.96	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	30.29	81259.37	7	0.00	0.00	0.00	0.00	0.83	1671.13	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	38.91	81222.46	8	0.00	0.00	0.00	0.00	1.01	1670.12	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	82.47	81159.99	9	0.00	0.00	0.00	0.00	1.70	1668.42	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	51.55	81106.44	10	0.00	0.00	0.00	0.00	1.41	1667.01	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	81.12	81047.32	11	0.00	0.00	0.00	0.00	1.67	1665.34	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	81.03	80986.29	12	0.00	0.00	0.00	0.00	1.67	1663.67	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	82.92	80923.37	13	0.00	0.00	0.00	0.00	1.72	1661.95	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	83.24	80860.13	14	0.00	0.00	0.00	0.00	1.72	1660.23	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	79.46	80780.67	15	0.00	0.00	0.00	0.00	2.17	1658.06	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	83.34	80717.33	16	0.00	0.00	0.00	0.00	1.73	1656.33	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	36.05	80681.28	17	0.00	0.00	0.00	0.00	0.98	1655.35	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	36.27	80645.01	18	0.00	0.00	0.00	0.00	0.99	1654.36	18	0.00	0.00	0.00	0.00	0.00	0.00
19	78.20	0.00	0.00	0.00	35.87	80687.34	19	46.82	0.00	0.00	0.00	0.98	1700.00	19	7.77	0.00	0.00	0.00	0.00	7.77
20	109.06	0.00	0.00	0.00	35.71	80780.69	20	1.00	0.00	0.00	0.00	1.00	1700.00	20	10.84	0.00	0.00	0.00	0.00	18.61
21	112.13	0.00	0.00	0.00	52.33	80820.49	21	1.46	0.00	0.00	0.00	1.46	1700.00	21	11.14	0.00	0.00	0.00	0.02	29.73
22	116.65	0.00	0.00	0.00	42.52	80894.82	22	1.19	0.00	0.00	0.00	1.19	1700.00	22	11.59	0.00	0.00	0.00	0.02	41.30
23	103.18	0.00	0.00	0.00	52.24	80945.58	23	1.46	0.00	0.00	0.00	1.46	1700.00	23	10.25	0.00	0.00	0.00	0.04	51.51
24	0.00	0.00	0.00	0.00	89.88	80875.70	24	0.00	0.00	0.00	0.00	1.95	1698.05	24	0.00	0.00	0.00	0.00	0.06	51.45
25	0.00	0.00	0.00	0.00	47.28	80828.42	25	0.00	0.00	0.00	0.00	1.32	1696.73	25	0.00	0.00	0.00	0.00	0.04	51.41
26	0.00	0.00	0.00	0.00	47.25	80781.17	26	0.00	0.00	0.00	0.00	1.32	1695.41	26	0.00	0.00	0.00	0.00	0.04	51.37
27	0.00	0.00	0.00	0.00	46.72	80734.45	27	0.00	0.00	0.00	0.00	1.30	1694.11	27	0.00	0.00	0.00	0.00	0.04	51.33
28	0.00	0.00	0.00	0.00	48.05	80686.40	28	0.00	0.00	0.00	0.00	1.34	1692.77	28	0.00	0.00	0.00	0.00	0.04	51.29
29	84.11	0.00	0.00	0.00	27.36	80743.15	29	7.99	0.00	0.00	0.00	0.76	1700.00	29	8.36	0.00	0.00	0.00	0.02	59.63
30	106.35	0.00	0.00	0.00	38.53	80810.97	30	1.08	0.00	0.00	0.00	1.08	1700.00	30	10.57	0.00	0.00	0.00	0.04	70.16
31	107.33	0.00	0.00	0.00	51.49	80866.81	31	1.44	0.00	0.00	0.00	1.44	1700.00	31	10.67	0.00	0.00	0.00	0.06	80.77
	817.01	0.00	0.00	0.00	1413.45			62.24	0.00	0.00	0.00	38.94			81.19	0.00	0.00	0.00	0.42	
Agreement-Summer Stored Ft Bent							Agreement-Summer Stored Amity							Agreement-Summer Stored Lamar						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						122.36							1600.02							251.16
1	0.00	0.00	0.00	86.70	0.15	35.51	1	0.00	10709.04	0.00	753.44	1.97	11553.85	1	0.00	0.00	0.00	170.18	0.31	80.87
2	0.00	0.00	0.00	35.49	0.02	0.00	2	0.00	0.00	0.00	394.65	5.32	11153.68	2	0.00	0.00	0.00	80.63	0.04	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	753.44	3.12	10397.12	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	753.44	2.94	9640.74	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	191.13	2.75	9448.88	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	753.44	2.70	8690.72	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	148.70	4.30	8537.72	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	273.86	5.15	8258.91	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	753.44	8.43	7497.04	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	717.96	6.32	6772.76	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	770.16	6.78	5995.82	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	690.90	6.00	5298.92	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	746.44	5.47	4547.01	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	803.76	4.72	3738.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	363.65	4.88	3370.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	803.76	3.51	2562.73	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	818.56	1.52	1742.65	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	1.04	1741.61	18	0.00	0.00	0.00	0.00	0.00	0.00
19	33.45	0.00	0.00	0.00	0.00	33.45	19	0.00	0.00	0.00	852.06	1.03	888.52	19	66.90	0.00	0.00	3.39	0.00	63.51
20	46.65	0.00	0.00	0.00	0.02	80.08	20	0.00	0.00	0.00	447.43	1.02	440.07	20	93.29	0.00	0.00	5.38	0.04	151.38
21	47.96	0.00	0.00	0.00	0.07	127.97	21	0.00	0.00	0.00	281.53	0.38	158.16	21	95.92	0.00	0.00	2.13	0.13	245.04
22	49.89	0.00	0.00	0.00	0.09	177.77	22	0.00	0.00	0.00	0.00	0.11	158.05	22	99.78	0.00	0.00	0.00	0.17	344.65
23	44.13	0.00	0.00	0.00	0.15	221.75	23	0.00	0.00	0.00	0.00	0.14	157.91	23	88.26	0.00	0.00	0.00	0.30	432.61
24	0.00	0.00	0.00	0.00	0.25	221.50	24	0.00	0.00	0.00	157.73	0.18	0.00	24	0.00	0.00	0.00	0.00	0.50	432.11
25	0.00	0.00	0.00	0.00	0.17	221.33	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.34	431.77
26	0.00	0.00	0.00	0.00	0.17	221.16	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.34	431.43
27	0.00	0.00	0.00	0.00	0.17	220.99	27	0.00												

**John Martin Monthly Accounting May 2001**

Agreement-Summer Stored							Agreement-Summer Stored							Agreement-Summer Stored						
Hyde							Manvel							Stubbs						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2254.13						4474.59							11.07	
1	0.00	440.84	0.00	0.00	2.78	2692.19	1	0.00	813.58	0.00	0.00	5.51	5282.84	1	0.00	0.00	0.00	0.00	0.01	11.06
2	0.00	0.00	0.00	0.00	1.24	2690.95	2	0.00	0.00	0.00	0.00	2.43	5280.21	2	0.00	0.00	0.00	0.00	0.01	11.05
3	0.00	0.00	0.00	0.00	0.75	2690.20	3	0.00	0.00	0.00	0.00	1.48	5278.73	3	0.00	0.00	0.00	0.00	0.00	11.05
4	0.00	0.00	0.00	0.00	0.76	2689.44	4	0.00	0.00	0.00	0.00	1.49	5277.24	4	0.00	0.00	0.00	0.00	0.00	11.05
5	0.00	0.00	0.00	0.00	0.77	2688.67	5	0.00	0.00	0.00	0.00	1.50	5275.74	5	0.00	0.00	0.00	0.00	0.00	11.05
6	0.00	0.00	0.00	0.00	0.77	2687.90	6	0.00	0.00	0.00	0.00	1.51	5274.23	6	0.00	0.00	0.00	0.00	0.00	11.05
7	0.00	0.00	0.00	0.00	1.33	2686.57	7	0.00	0.00	0.00	0.00	2.61	5271.82	7	0.00	0.00	0.00	0.00	0.01	11.04
8	0.00	0.00	0.00	0.00	1.62	2684.95	8	0.00	0.00	0.00	0.00	3.18	5268.44	8	0.00	0.00	0.00	0.00	0.01	11.03
9	0.00	0.00	0.00	0.00	2.74	2682.21	9	0.00	0.00	0.00	0.00	5.37	5263.07	9	0.00	0.00	0.00	0.00	0.01	11.02
10	0.00	0.00	0.00	0.00	2.26	2679.95	10	0.00	0.00	0.00	0.00	4.44	5258.63	10	0.00	0.00	0.00	0.00	0.01	11.01
11	0.00	0.00	0.00	0.00	2.68	2677.27	11	0.00	0.00	0.00	0.00	5.26	5253.37	11	0.00	0.00	0.00	0.00	0.01	11.00
12	0.00	0.00	0.00	0.00	2.68	2674.59	12	0.00	0.00	0.00	0.00	5.25	5248.12	12	0.00	0.00	0.00	0.00	0.01	10.99
13	0.00	0.00	0.00	0.00	2.76	2671.83	13	0.00	0.00	0.00	0.00	5.41	5242.71	13	0.00	0.00	0.00	0.00	0.01	10.98
14	0.00	0.00	0.00	0.00	2.77	2669.06	14	0.00	0.00	0.00	0.00	5.44	5237.27	14	0.00	0.00	0.00	0.00	0.01	10.97
15	0.00	0.00	0.00	0.00	3.48	2665.58	15	0.00	0.00	0.00	0.00	8.64	5230.43	15	0.00	0.00	0.00	0.00	0.01	10.96
16	0.00	0.00	0.00	0.00	2.78	2662.80	16	0.00	0.00	0.00	0.00	5.45	5224.98	16	0.00	0.00	0.00	0.00	0.01	10.95
17	0.00	0.00	0.00	0.00	1.58	2661.22	17	0.00	0.00	0.00	0.00	3.10	5221.88	17	0.00	0.00	0.00	0.00	0.01	10.94
18	0.00	0.00	0.00	0.00	1.59	2659.63	18	0.00	0.00	0.00	0.00	3.12	5218.76	18	0.00	0.00	0.00	0.00	0.01	10.93
19	4.39	0.00	0.00	0.00	1.57	2662.45	19	8.11	0.00	0.00	0.00	3.09	5223.78	19	0.00	0.00	0.00	0.00	0.01	10.92
20	6.13	0.00	0.00	0.00	1.57	2667.01	20	11.31	0.00	0.00	0.00	3.07	5232.02	20	0.00	0.00	0.00	0.00	0.01	10.91
21	8.30	0.00	0.00	0.00	2.30	2671.01	21	11.83	0.00	0.00	0.00	4.51	5239.14	21	0.00	0.00	0.00	0.00	0.01	10.90
22	6.55	0.00	0.00	0.00	1.87	2675.69	22	12.09	0.00	0.00	0.00	3.86	5247.57	22	0.00	0.00	0.00	0.00	0.01	10.89
23	5.80	0.00	0.00	0.00	2.30	2679.19	23	10.70	0.00	0.00	0.00	4.50	5253.77	23	0.00	0.00	0.00	0.00	0.01	10.88
24	0.00	0.00	0.00	0.00	3.07	2676.12	24	0.00	0.00	0.00	0.00	8.02	5247.75	24	0.00	0.00	0.00	0.00	0.01	10.87
25	0.00	0.00	0.00	0.00	2.08	2674.04	25	0.00	0.00	0.00	0.00	4.08	5243.67	25	0.00	0.00	0.00	0.00	0.01	10.86
26	0.00	0.00	0.00	0.00	2.08	2671.96	26	0.00	0.00	0.00	0.00	4.07	5239.60	26	0.00	0.00	0.00	0.00	0.01	10.85
27	0.00	0.00	0.00	0.00	2.05	2669.91	27	0.00	0.00	0.00	0.00	4.03	5235.57	27	0.00	0.00	0.00	0.00	0.01	10.84
28	0.00	0.00	0.00	0.00	2.11	2667.80	28	0.00	0.00	0.00	0.00	4.14	5231.43	28	0.00	0.00	0.00	0.00	0.01	10.83
29	4.72	0.00	0.00	0.00	1.20	2671.32	29	8.72	0.00	0.00	0.00	2.36	5237.79	29	0.00	0.00	0.00	0.00	0.00	10.83
30	5.97	0.00	0.00	0.00	1.89	2675.60	30	11.03	0.00	0.00	0.00	3.32	5245.50	30	0.00	0.00	0.00	0.00	0.01	10.82
31	8.03	0.00	0.00	0.00	2.27	2679.36	31	11.13	0.00	0.00	0.00	4.44	5252.19	31	0.00	0.00	0.00	0.00	0.01	10.81
<b>45.89</b>	<b>448.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>61.50</b>		<b>84.72</b>	<b>813.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>120.88</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.26</b>	
Agreement-Summer Stored							Agreement-Summer Stored							Agreement-Summer Stored						
Buffalo							Sisson							X-Y						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						15849.45						2085.06							7198.06	
1	0.00	2570.82	0.00	86.50	19.28	18114.49	1	0.00	406.74	0.00	0.00	2.57	2489.23	1	0.00	1392.18	0.00	0.00	8.87	8581.37
2	0.00	0.00	0.00	86.50	8.34	18019.65	2	0.00	0.00	0.00	0.00	1.15	2488.06	2	0.00	0.00	0.00	0.00	3.95	8577.42
3	0.00	0.00	0.00	86.50	5.05	17928.10	3	0.00	0.00	0.00	0.00	0.70	2487.38	3	0.00	0.00	0.00	0.00	2.40	8575.02
4	0.00	0.00	0.00	86.50	5.07	17838.53	4	0.00	0.00	0.00	0.00	0.70	2486.68	4	0.00	0.00	0.00	0.00	2.42	8572.60
5	0.00	0.00	0.00	86.50	5.08	17744.95	5	0.00	0.00	0.00	0.00	0.71	2485.97	5	0.00	0.00	0.00	0.00	2.44	8570.16
6	0.00	0.00	0.00	86.50	5.07	17653.38	6	0.00	0.00	0.00	0.00	0.71	2485.28	6	0.00	0.00	0.00	0.00	2.45	8567.71
7	0.00	0.00	0.00	0.00	8.73	17644.85	7	0.00	0.00	0.00	0.00	1.23	2484.03	7	0.00	0.00	0.00	0.00	4.24	8563.47
8	0.00	0.00	0.00	0.00	10.63	17634.02	8	0.00	0.00	0.00	0.00	1.50	2482.53	8	0.00	0.00	0.00	0.00	5.16	8558.31
9	0.00	0.00	0.00	0.00	17.99	17618.03	9	0.00	0.00	0.00	0.00	2.53	2480.00	9	0.00	0.00	0.00	0.00	8.73	8549.58
10	0.00	0.00	0.00	0.00	14.84	17601.19	10	0.00	0.00	0.00	0.00	2.09	2477.91	10	0.00	0.00	0.00	0.00	7.20	8542.38
11	0.00	0.00	0.00	0.00	17.61	17583.58	11	0.00	0.00	0.00	0.00	2.48	2475.43	11	0.00	0.00	0.00	0.00	8.55	8533.83
12	0.00	0.00	0.00	0.00	17.59	17565.99	12	0.00	0.00	0.00	0.00	2.48	2472.95	12	0.00	0.00	0.00	0.00	8.54	8525.29
13	0.00	0.00	0.00	0.00	18.12	17547.87	13	0.00	0.00	0.00	0.00	2.55	2470.40	13	0.00	0.00	0.00	0.00	8.79	8516.50
14	0.00	0.00	0.00	0.00	18.21	17529.86	14	0.00	0.00	0.00	0.00	2.56	2467.84	14	0.00	0.00	0.00	0.00	8.84	8507.86
15	0.00	0.00	0.00	0.00	22.89	17506.77	15	0.00	0.00	0.00	0.00	3.22	2464.62	15	0.00	0.00	0.00	0.00	11.11	8496.55
16	0.00	0.00	0.00	0.00	18.24	17488.53	16	0.00	0.00	0.00	0.00	2.57	2462.05	16	0.00	0.00	0.00	0.00	8.85	8487.70
17	0.00	0.00	0.00	0.00	10.39	17478.14	17	0.00	0.00	0.00	0.00	1.48	2460.59	17	0.00	0.00	0.00	0.00	5.04	8482.66
18	0.00	0.00	0.00	0.00	10.44	17467.70	18	0.00	0.00	0.00	0.00	1.47	2459.12	18	0.00	0.00	0.00	0.00	5.07	8477.59
19	28.72	0.00	0.00	0.00	10.33	17488.09	19	4.06	0.00	0.00	0.00	1.45	2461.73	19	17.23	0.00	0.00	0.00	5.01	8489.81
20	40.05	0.00	0.00	0.00	10.29	17515.85	20	5.65	0.00	0.00	0.00	1.45	2465.93	20	24.03	0.00	0.00	0.00	4.99	8508.85
21	41.18	0.00	0.00	0.00	15.08	17541.95	21	5.82	0.00	0.00	0.00	2.12	2469.93	21	24.71	0.00	0.00	0.00	7.33	8526.23
22	42.84	0.00	0.00	0.00	12.26	17572.53	22	6.04	0.00	0.00	0.00	1.73	2473.94	22	25.70	0.00	0.00	0.00	5.98	8545.97
23	37.89	5.35	0.00	0.00	15.08	17600.69	23	0.00	0.00	0.00	0.00	2.12	2471.82	23	22.73	0.00	0.00	0.00	7.33	8561.37
24	0.00	0.00	0.00	0.00	20.17	17580.52	24	0.00	0.00	0.00	0.00	2.83	2468.99	24	0.00	0.00	0.00	0.00	9.81	8551.56
25	0.00	0.00	0.00	0.00	13.65	17566.87	25	0.00	0.00	0.00	0.00	1.92	2467.07	25	0.00	0.00	0.00	0.00	6.64	8544.92
26	0.00	0.00	0.00	0.00	13															

John Martin Monthly Accounting May 2001

Agreement-Summer Stored Dis. 67 Totals						Agreement-Article III Other Water Totals						Storage-InterState Offset Account																			
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance											
						33645.90							17722.17							2677.19											
1	0.00	16333.18	0.00	1066.82	41.45	48840.81	1	0.00	0.00	0.00	25.78	21.83	17674.56	1	0.00	0.00	0.00	0.00	3.30	2673.89											
2	0.00	0.00	0.00	597.27	22.50	48221.04	2	0.00	0.00	0.00	19.81	8.14	17646.81	2	0.00	0.00	0.00	0.00	1.23	2672.66											
3	0.00	0.00	0.00	839.94	13.50	47387.60	3	0.00	0.00	0.00	8.33	4.95	17633.33	3	0.00	0.00	0.00	0.00	0.75	2671.91											
4	0.00	0.00	0.00	839.94	13.38	46514.28	4	0.00	0.00	0.00	23.67	4.98	17604.88	4	0.00	0.00	0.00	0.00	0.75	2671.16											
5	0.00	0.00	0.00	277.63	13.25	46223.40	5	0.00	0.00	0.00	28.62	5.02	17571.04	5	0.00	0.00	0.00	0.00	0.75	2670.41											
6	0.00	0.00	0.00	839.94	13.21	45370.25	6	0.00	0.00	0.00	0.00	5.02	17566.02	6	0.00	0.00	0.00	0.00	0.78	2669.65											
7	0.00	0.00	0.00	148.70	22.45	45199.10	7	0.00	0.00	0.00	25.11	8.69	17532.22	7	0.00	0.00	0.00	0.00	1.32	2668.33											
8	0.00	0.00	0.00	273.66	27.25	44898.19	8	0.00	0.00	0.00	23.88	10.57	17497.97	8	0.00	0.00	0.00	0.00	1.60	2666.73											
9	0.00	0.00	0.00	753.44	45.80	44098.95	9	0.00	0.00	0.00	13.27	17.85	17466.85	9	0.00	0.00	0.00	0.00	2.72	2664.01											
10	0.00	0.00	0.00	717.96	37.16	43343.83	10	0.00	0.00	0.00	17.87	14.72	17434.26	10	0.00	0.00	0.00	0.00	2.24	2661.77											
11	0.00	0.00	0.00	770.18	43.37	42530.30	11	0.00	0.00	0.00	18.74	17.44	17398.08	11	0.00	0.00	0.00	0.00	2.87	2659.10											
12	0.00	0.00	0.00	890.90	42.55	41796.85	12	0.00	0.00	0.00	0.00	17.40	17380.68	12	0.00	0.00	0.00	0.00	2.67	2656.43											
13	0.00	0.00	0.00	748.44	43.11	41007.30	13	0.00	0.00	0.00	8.21	17.93	17354.54	13	0.00	0.00	0.00	0.00	2.74	2653.69											
14	0.00	0.00	0.00	803.76	42.55	40160.99	14	0.00	0.00	0.00	0.00	18.01	17336.53	14	0.00	0.00	0.00	0.00	2.75	2650.94											
15	0.00	0.00	0.00	383.65	52.43	39744.91	15	0.00	0.00	0.00	0.00	22.64	17313.89	15	0.00	0.00	0.00	0.00	3.46	2647.48											
16	0.00	0.00	0.00	803.78	41.41	38899.74	16	0.00	0.00	0.00	0.00	18.04	17295.85	16	0.00	0.00	0.00	0.00	2.75	2644.73											
17	0.00	0.00	0.00	818.56	23.10	38058.08	17	0.00	0.00	0.00	0.40	10.27	17285.18	17	0.00	0.00	0.00	0.00	1.58	2643.15											
18	0.00	0.00	0.00	0.00	22.74	38035.34	18	0.00	0.00	0.00	0.00	10.33	17274.85	18	0.00	0.00	0.00	0.00	1.58	2641.57											
19	170.63	0.00	0.00	865.45	22.49	37328.03	19	548.67	0.00	0.00	0.00	10.22	17813.30	19	0.00	0.00	0.00	0.00	1.56	2640.01											
20	237.95	0.00	0.00	452.81	22.46	37090.71	20	646.30	0.00	0.00	0.00	10.49	18449.11	20	79.86	0.00	0.00	0.00	1.55	2718.12											
21	244.66	0.00	0.00	283.66	31.95	37019.76	21	685.30	0.00	0.00	0.00	15.89	19098.52	21	80.24	0.00	0.00	0.00	2.34	2796.02											
22	254.48	0.00	0.00	0.00	25.88	37246.36	22	691.48	0.00	0.00	0.00	13.35	19778.65	22	73.83	0.00	0.00	0.00	1.95	2867.70											
23	218.76	5.35	0.00	0.00	31.97	37441.50	23	612.40	0.00	0.00	0.00	18.97	20372.08	23	77.49	0.00	0.00	0.00	2.46	2942.73											
24	0.00	0.00	0.00	157.73	42.90	37240.87	24	0.00	0.00	0.00	0.00	23.35	20348.73	24	55.66	0.00	0.00	0.00	3.38	2995.01											
25	0.00	0.00	0.00	0.00	28.93	37211.94	25	0.00	0.00	0.00	0.00	15.80	20332.93	25	43.08	0.00	0.00	0.00	2.32	3035.77											
26	0.00	0.00	0.00	0.00	28.92	37183.02	26	0.00	0.00	0.00	0.00	15.80	20317.13	26	30.52	0.00	0.00	0.00	2.38	3063.93											
27	0.00	0.00	0.00	0.00	28.60	37154.42	27	0.00	0.00	0.00	0.00	15.63	20301.50	27	28.22	0.00	0.00	0.00	2.36	3089.79											
28	0.00	0.00	0.00	0.00	29.38	37125.04	28	0.00	0.00	0.00	0.00	16.06	20285.44	28	12.72	0.00	0.00	0.00	2.44	3100.07											
29	183.50	0.00	0.00	0.00	16.71	37291.83	29	511.84	0.00	0.00	0.00	9.14	20788.14	29	22.86	0.00	0.00	0.00	1.40	3121.53											
30	232.04	0.00	0.00	0.00	23.64	37500.23	30	630.45	0.00	0.00	0.00	13.18	21405.41	30	19.29	0.00	0.00	0.00	1.97	3138.85											
31	234.19	0.00	0.00	0.00	31.77	37702.65	31	638.89	0.00	0.00	0.00	18.13	22024.17	31	16.39	57.13	57.13	0.00	2.65	3152.59											
<b>1777.21</b>						<b>16336.53</b>	<b>0.00</b>	<b>13132.18</b>	<b>926.81</b>							<b>4943.33</b>	<b>0.00</b>	<b>0.00</b>	<b>213.49</b>	<b>427.84</b>							<b>539.76</b>	<b>57.13</b>	<b>57.13</b>	<b>0.00</b>	<b>64.36</b>

Agreement-Article III Amity						Agreement-Article III Ft. Lyon						Agreement-Article III Las Animas								
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						15576.43							0.00							2145.74
1	0.00	0.00	0.00	0.00	19.19	15557.24	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	25.78	2.64	2117.32
2	0.00	0.00	0.00	0.00	7.16	15550.08	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	19.81	0.98	2096.53
3	0.00	0.00	0.00	0.00	4.36	15545.72	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	8.33	0.59	2087.61
4	0.00	0.00	0.00	0.00	4.39	15541.33	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	23.67	0.59	2063.35
5	0.00	0.00	0.00	0.00	4.43	15536.90	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	28.62	0.59	2034.14
6	0.00	0.00	0.00	0.00	4.44	15532.46	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.58	2033.56
7	0.00	0.00	0.00	0.00	7.68	15524.78	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	25.11	1.01	2007.44
8	0.00	0.00	0.00	0.00	9.38	15515.42	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	23.68	1.21	1982.55
9	0.00	0.00	0.00	0.00	15.83	15499.59	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	13.27	2.02	1967.26
10	0.00	0.00	0.00	0.00	13.06	15486.53	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	17.87	1.66	1947.73
11	0.00	0.00	0.00	0.00	15.49	15471.04	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	18.74	1.95	1927.04
12	0.00	0.00	0.00	0.00	15.47	15455.57	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	1.93	1925.11
13	0.00	0.00	0.00	0.00	15.94	15439.63	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	8.21	1.99	1914.91
14	0.00	0.00	0.00	0.00	18.02	15423.61	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	1.99	1912.92
15	0.00	0.00	0.00	0.00	20.14	15403.47	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	2.50	1910.42
16	0.00	0.00	0.00	0.00	18.05	15387.42	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	1.99	1908.43
17	0.00	0.00	0.00	0.00	9.14	15378.28	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.40	1.13	1906.90
18	0.00	0.00	0.00	0.00	9.19	15369.09	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	1.14	1905.76
19	548.67	0.00	0.00	0.00	9.09	15908.67	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	1.13	1904.63
20	846.30	0.00	0.00	0.00	9.37	16545.60	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	1.12	1903.51
21	665.30	0.00	0.00	0.00	14.25	17198.65	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	1.64	1901.87
22	891.48	0.00	0.00	0.00	12.02	17876.11	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	1.33	1900.54
23	612.40	0.00	0.00	0.00	15.34	18473.17	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	1.63	1898.91
24	0.00	0.00	0.00	0.00	21.17	18452.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	2.18	1896.73
25	0.00	0.00	0.00	0.00	14.33	18437.67	2													

John Martin Monthly Accounting May 2001

Storage-Pool Flood Pool							Agreement-Crnt Winter Stored Lamar						Agreement-Crnt Winter Stored Hyde							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00						8170.24							418.19	
1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	7.60	6182.64	1	0.00	0.00	0.00	0.00	0.52	417.67
2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	87.52	2.84	6092.28	2	0.00	0.00	0.00	0.00	0.19	417.48
3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	304.52	1.71	5788.05	3	0.00	0.00	0.00	0.00	0.12	417.38
4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	304.52	1.63	5479.90	4	0.00	0.00	0.00	0.00	0.12	417.24
5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	118.55	1.56	5359.79	5	0.00	0.00	0.00	0.00	0.12	417.12
6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	192.00	1.53	5188.26	6	0.00	0.00	0.00	0.00	0.12	417.00
7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	148.15	2.55	5015.56	7	0.00	0.00	0.00	0.00	0.21	416.79
8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	82.21	3.02	4950.33	8	0.00	0.00	0.00	0.00	0.25	416.54
9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	18.03	5.05	4927.25	9	0.00	0.00	0.00	0.00	0.42	416.12
10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	5.91	4.15	4917.19	10	0.00	0.00	0.00	0.00	0.35	415.77
11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	5.91	4.92	4906.36	11	0.00	0.00	0.00	0.00	0.42	415.35
12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	3.93	4.91	4897.52	12	0.00	0.00	0.00	0.00	0.42	414.93
13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	5.91	5.05	4886.56	13	0.00	0.00	0.00	0.00	0.43	414.50
14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	31.91	5.07	4849.58	14	0.00	0.00	0.00	0.00	0.43	414.07
15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	18.38	6.33	4826.87	15	0.00	0.00	0.00	0.00	0.54	413.53
16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	75.36	5.03	4746.48	16	0.00	0.00	0.00	0.00	0.43	413.10
17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	34.47	2.82	4709.19	17	0.00	0.00	0.00	0.00	0.25	412.85
18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	2.81	4706.38	18	0.00	0.00	0.00	0.00	0.25	412.60
19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	2.78	4703.60	19	0.00	0.00	0.00	0.00	0.24	412.36
20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	2.77	4700.83	20	0.00	0.00	0.00	0.00	0.24	412.12
21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	4.05	4696.78	21	0.00	0.00	0.00	0.00	0.35	411.77
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	3.28	4693.50	22	0.00	0.00	0.00	0.00	0.29	411.48
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	4.03	4689.47	23	0.00	0.00	0.00	0.00	0.35	411.13
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	5.37	4684.10	24	0.00	0.00	0.00	0.00	0.47	410.66
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	3.64	4680.46	25	0.00	0.00	0.00	0.00	0.32	410.34
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	3.64	4676.82	26	0.00	0.00	0.00	0.00	0.32	410.02
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	3.60	4673.22	27	0.00	0.00	0.00	0.00	0.32	409.70
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	3.70	4669.52	28	0.00	0.00	0.00	0.00	0.32	409.38
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	2.10	4667.42	29	0.00	0.00	0.00	0.00	0.18	409.20
30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	2.96	4664.46	30	0.00	0.00	0.00	0.00	0.26	408.94
31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	3.95	4660.51	31	0.00	0.00	0.00	0.00	0.35	408.59
	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	1395.28	114.45			0.00	0.00	0.00	0.00	9.60	
Agreement-Crnt Winter Stored Keesee							Agreement-Crnt Winter Stored Ft Bent						Agreement-Crnt Winter Stored Amity							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						65.94							3174.14							10494.81
1	0.00	0.00	0.00	13.57	0.08	52.29	1	0.00	0.00	0.00	0.00	3.91	3170.23	1	0.00	0.00	0.00	0.00	12.93	10481.88
2	0.00	0.00	0.00	13.57	0.02	38.70	2	0.00	0.00	0.00	59.57	1.46	3109.20	2	0.00	0.00	0.00	0.00	4.83	10477.05
3	0.00	0.00	0.00	32.15	0.01	6.54	3	0.00	0.00	0.00	155.82	0.87	2952.71	3	0.00	0.00	0.00	0.00	2.94	10474.11
4	0.00	0.00	0.00	0.00	0.00	6.54	4	0.00	0.00	0.00	155.82	0.83	2796.26	4	0.00	0.00	0.00	0.00	2.96	10471.15
5	0.00	0.00	0.00	0.00	0.00	6.54	5	0.00	0.00	0.00	12.34	0.80	2783.12	5	0.00	0.00	0.00	0.00	2.98	10468.17
6	0.00	0.00	0.00	0.00	0.00	6.54	6	0.00	0.00	0.00	100.54	0.80	2681.78	6	0.00	0.00	0.00	0.00	2.99	10465.18
7	0.00	0.00	0.00	0.00	0.00	6.54	7	0.00	0.00	0.00	89.21	1.33	2611.24	7	0.00	0.00	0.00	0.00	5.17	10460.01
8	0.00	0.00	0.00	0.00	0.00	6.54	8	0.00	0.00	0.00	36.84	1.57	2573.03	8	0.00	0.00	0.00	0.00	6.30	10453.71
9	0.00	0.00	0.00	0.00	0.01	6.53	9	0.00	0.00	0.00	26.78	2.62	2541.85	9	0.00	0.00	0.00	0.00	10.66	10443.05
10	0.00	0.00	0.00	0.00	0.01	6.52	10	0.00	0.00	0.00	26.78	2.14	2510.75	10	0.00	0.00	0.00	0.00	8.80	10434.25
11	0.00	0.00	0.00	0.00	0.01	6.51	11	0.00	0.00	0.00	11.89	2.51	2496.35	11	0.00	0.00	0.00	0.00	10.44	10423.61
12	0.00	0.00	0.00	0.00	0.01	6.50	12	0.00	0.00	0.00	0.00	2.50	2493.85	12	0.00	0.00	0.00	0.00	10.43	10413.38
13	0.00	0.00	0.00	0.00	0.01	6.49	13	0.00	0.00	0.00	0.00	2.57	2491.28	13	0.00	0.00	0.00	0.00	10.74	10402.64
14	0.00	0.00	0.00	0.00	0.01	6.46	14	0.00	0.00	0.00	6.54	2.59	2482.15	14	0.00	0.00	0.00	0.00	10.79	10391.85
15	0.00	0.00	0.00	0.00	0.01	6.47	15	0.00	0.00	0.00	10.83	3.24	2468.08	15	0.00	0.00	0.00	0.00	13.57	10378.28
16	0.00	0.00	0.00	0.00	0.01	6.46	16	0.00	0.00	0.00	4.29	2.57	2461.22	16	0.00	0.00	0.00	0.00	10.81	10367.47
17	0.00	0.00	0.00	0.00	0.00	6.46	17	0.00	0.00	0.00	0.00	1.46	2459.76	17	0.00	0.00	0.00	0.00	6.16	10361.31
18	0.00	0.00	0.00	0.00	0.00	6.46	18	0.00	0.00	0.00	0.00	1.47	2458.29	18	0.00	0.00	0.00	0.00	6.19	10355.12
19	0.00	0.00	0.00	0.00	0.00	6.46	19	0.00	0.00	0.00	0.00	1.45	2456.84	19	0.00	0.00	0.00	0.00	6.12	10349.00
20	0.00	0.00	0.00	0.00	0.00	6.48	20	0.00	0.00	0.00	0.00	1.45	2455.39	20	0.00	0.00	0.00	0.00	6.09	10342.91
21	0.00	0.00	0.00	0.00	0.01	6.45	21	0.00	0.00	0.00	0.00	2.11	2453.28	21	0.00	0.00	0.00	0.00	6.91	10334.00
22	0.00	0.00	0.00	0.00	0.00	6.45	22	0.00	0.00	0.00	0.00	1.71	2451.57	22	0.00	0.00	0.00	0.00	7.22	10326.78
23	0.00	0.00	0.00	0.00	0.01	6.44	23	0.00	0.00	0.00	0.00	2.10	2449.47	23	0.00	0.00	0.00	0.00	6.86	10317.92
24	0.00	0.00	0.00	0.00	0.01	6.43	24	0.00	0.00	0.00	0.00	2.81	2446.66	24	0.00	0.00	0.00	0.00	11.83	10252.74
25	0.00	0.00	0.00	0.00	0.00	6.43	25	0.00	0.00	0.00	0.00	1.90	2444.78	25	0.00	0.00	0.00	0.00	7.96	10244.78
26	0.00	0.00	0.00	0.00	0.00	6.43	26	0.00	0.00	0.00	0.00	1.90	2442.86	26	0.00	0.00	0.00	0.00	7.96	10236.82
27	0.00	0.00	0.00	0.00	0.00	6.43	27	0.00	0.00	0.00	0.00	1.88	2440.98	27						

**John Martin Monthly Accounting May 2001**

Agreement-Crnt Winter Stored Manvel							Agreement-Crnt Winter Stored Dis. 67 Totals							Storage-City City/LAMAR							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	
						766.78						25835.23							0.00		
1	0.00	0.00	0.00	0.00	0.94	765.84	1	0.00	0.00	0.00	13.57	31.84	25789.82	1	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.35	765.49	2	0.00	0.00	0.00	140.66	11.87	25637.29	2	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.21	765.28	3	0.00	0.00	0.00	492.29	7.19	25137.81	3	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.22	765.06	4	0.00	0.00	0.00	460.14	7.10	24670.57	4	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.22	764.84	5	0.00	0.00	0.00	130.89	7.02	24532.66	5	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.22	764.62	6	0.00	0.00	0.00	292.54	7.02	24233.10	6	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.38	764.24	7	0.00	0.00	0.00	217.36	11.98	24003.76	7	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.46	763.78	8	0.00	0.00	0.00	98.85	14.46	23890.45	8	0.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.78	763.00	9	0.00	0.00	0.00	46.79	24.36	23619.30	9	0.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.64	762.36	10	0.00	0.00	0.00	34.67	20.06	23784.57	10	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.76	761.60	11	0.00	0.00	0.00	17.80	23.78	23722.99	11	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.78	760.84	12	0.00	0.00	0.00	3.93	23.74	23695.32	12	0.00	0.00	0.00	0.00	0.00	0.00	
13	0.00	0.00	0.00	0.00	0.78	760.06	13	0.00	0.00	0.00	5.91	24.43	23664.98	13	0.00	0.00	0.00	0.00	0.00	0.00	
14	0.00	0.00	0.00	0.00	0.79	759.27	14	0.00	0.00	0.00	38.45	24.55	23601.98	14	0.00	0.00	0.00	0.00	0.00	0.00	
15	0.00	0.00	0.00	0.00	0.99	758.28	15	0.00	0.00	0.00	27.21	30.81	23543.96	15	0.00	0.00	0.00	0.00	0.00	0.00	
16	0.00	0.00	0.00	0.00	0.79	757.49	16	0.00	0.00	0.00	79.85	24.53	23439.78	16	0.00	0.00	0.00	0.00	0.00	0.00	
17	0.00	0.00	0.00	0.00	0.45	757.04	17	0.00	0.00	0.00	34.47	13.92	23391.39	17	0.00	0.00	0.00	0.00	0.00	0.00	
18	0.00	0.00	0.00	0.00	0.45	756.59	18	0.00	0.00	0.00	0.00	13.97	23377.42	18	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	0.45	756.14	19	0.00	0.00	0.00	0.00	13.80	23363.62	19	0.00	0.00	0.00	0.00	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.44	755.70	20	0.00	0.00	0.00	0.00	13.74	23349.86	20	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.85	755.05	21	0.00	0.00	0.00	0.00	20.10	23329.78	21	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.53	754.52	22	0.00	0.00	0.00	0.00	16.30	23313.46	22	0.00	0.00	0.00	0.00	0.00	0.00	
23	0.00	0.00	0.00	0.00	0.65	753.87	23	0.00	0.00	0.00	0.00	20.00	23293.46	23	0.00	0.00	0.00	0.00	0.00	0.00	
24	0.00	0.00	0.00	0.00	0.86	753.01	24	0.00	0.00	0.00	53.35	26.69	23213.44	24	0.00	0.00	0.00	0.00	0.00	0.00	
25	0.00	0.00	0.00	0.00	0.58	752.43	25	0.00	0.00	0.00	0.00	18.02	23195.42	25	0.00	0.00	0.00	0.00	0.00	0.00	
26	0.00	0.00	0.00	0.00	0.58	751.85	26	0.00	0.00	0.00	0.00	18.02	23177.40	26	1689.92	0.00	0.00	0.00	0.00	1689.92	
27	0.00	0.00	0.00	0.00	0.58	751.27	27	0.00	0.00	0.00	0.00	17.82	23159.58	27	844.96	0.00	0.00	0.00	0.00	1.30	2533.58
28	0.00	0.00	0.00	0.00	0.59	750.68	28	0.00	0.00	0.00	0.00	18.32	23141.26	28	0.00	0.00	0.00	0.00	2.00	2531.58	
29	0.00	0.00	0.00	0.00	0.34	750.34	29	0.00	0.00	0.00	0.00	10.41	23130.85	29	0.00	0.00	0.00	0.00	1.14	2530.44	
30	0.00	0.00	0.00	0.00	0.48	749.86	30	0.00	0.00	0.00	0.00	14.67	23116.18	30	0.00	0.00	0.00	0.00	1.80	2528.84	
31	0.00	0.00	0.00	0.00	0.64	749.22	31	0.00	0.00	0.00	0.00	19.59	23096.59	31	0.00	0.00	0.00	0.00	2.14	2526.70	
<b>6.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>17.56</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2188.53</b>	<b>550.11</b>		<b>2534.88</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.18</b>			

Agreement-Crnt Winter Stored X-Y							Agreement-Crnt Winter Stored Buffalo							Agreement-Crnt Winter Stored Sisson						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1635.31						2723.79							275.59	
1	0.00	0.00	0.00	0.00	2.02	1633.29	1	0.00	0.00	0.00	0.00	3.36	2720.43	1	0.00	0.00	0.00	0.00	0.34	275.25
2	0.00	0.00	0.00	0.00	0.75	1632.54	2	0.00	0.00	0.00	0.00	1.25	2719.18	2	0.00	0.00	0.00	0.00	0.13	275.12
3	0.00	0.00	0.00	0.00	0.46	1632.08	3	0.00	0.00	0.00	0.00	0.76	2718.42	3	0.00	0.00	0.00	0.00	0.08	275.04
4	0.00	0.00	0.00	0.00	0.46	1631.62	4	0.00	0.00	0.00	0.00	0.77	2717.65	4	0.00	0.00	0.00	0.00	0.08	274.96
5	0.00	0.00	0.00	0.00	0.46	1631.16	5	0.00	0.00	0.00	0.00	0.77	2716.88	5	0.00	0.00	0.00	0.00	0.08	274.88
6	0.00	0.00	0.00	0.00	0.47	1630.69	6	0.00	0.00	0.00	0.00	0.78	2716.10	6	0.00	0.00	0.00	0.00	0.08	274.80
7	0.00	0.00	0.00	0.00	0.81	1629.88	7	0.00	0.00	0.00	0.00	1.34	2714.76	7	0.00	0.00	0.00	0.00	0.14	274.85
8	0.00	0.00	0.00	0.00	0.98	1628.90	8	0.00	0.00	0.00	0.00	1.84	2713.12	8	0.00	0.00	0.00	0.00	0.17	274.49
9	0.00	0.00	0.00	0.00	1.66	1627.24	9	0.00	0.00	0.00	0.00	2.77	2710.35	9	0.00	0.00	0.00	0.00	0.28	274.21
10	0.00	0.00	0.00	0.00	1.37	1625.87	10	0.00	0.00	0.00	0.00	2.28	2708.07	10	0.00	0.00	0.00	0.00	0.23	273.98
11	0.00	0.00	0.00	0.00	1.63	1624.24	11	0.00	0.00	0.00	0.00	2.71	2705.36	11	0.00	0.00	0.00	0.00	0.27	273.71
12	0.00	0.00	0.00	0.00	1.62	1622.62	12	0.00	0.00	0.00	0.00	2.71	2702.65	12	0.00	0.00	0.00	0.00	0.27	273.44
13	0.00	0.00	0.00	0.00	1.67	1620.95	13	0.00	0.00	0.00	0.00	2.79	2699.86	13	0.00	0.00	0.00	0.00	0.28	273.16
14	0.00	0.00	0.00	0.00	1.68	1619.27	14	0.00	0.00	0.00	0.00	2.80	2697.06	14	0.00	0.00	0.00	0.00	0.28	272.88
15	0.00	0.00	0.00	0.00	2.11	1617.16	15	0.00	0.00	0.00	0.00	3.52	2693.54	15	0.00	0.00	0.00	0.00	0.36	272.52
16	0.00	0.00	0.00	0.00	1.69	1615.47	16	0.00	0.00	0.00	0.00	2.81	2690.73	16	0.00	0.00	0.00	0.00	0.28	272.24
17	0.00	0.00	0.00	0.00	0.96	1614.51	17	0.00	0.00	0.00	0.00	1.60	2689.13	17	0.00	0.00	0.00	0.00	0.16	272.08
18	0.00	0.00	0.00	0.00	0.96	1613.55	18	0.00	0.00	0.00	0.00	1.81	2687.52	18	0.00	0.00	0.00	0.00	0.16	271.92
19	0.00	0.00	0.00	0.00	0.95	1612.60	19	0.00	0.00	0.00	0.00	1.59	2685.93	19	0.00	0.00	0.00	0.00	0.16	271.76
20	0.00	0.00	0.00	0.00	0.95	1611.65	20	0.00	0.00	0.00	0.00	1.58	2684.35	20	0.00	0.00	0.00	0.00	0.16	271.60
21	0.00	0.00	0.00	0.00	1.39	1610.26	21	0.00	0.00	0.00	0.00	2.31	2682.04	21	0.00	0.00	0.00	0.00	0.23	271.37
22	0.00	0.00	0.00	0.00	1.13	1609.13	22	0.00	0.00	0.00	0.00	1.87	2680.17	22	0.00	0.00	0.00	0.00	0.19	271.18
23	0.00	0.00	0.00	0.00	1.38	1607.75	23	0.00	0.00	0.00	0.00	2.30	2677.87	23	0.00	0.00	0.00	0.00	0.23	270.95
24	0.00	0.00	0.00	0.00	1.84	1605.91	24	0.00	0.00	0.00	0.00	3.07	2674.80	24	0.00	0.00	0.00	0.00	0.31	270.64
25	0.00	0.00	0.00	0.00	1.25	1604.66	25	0.00	0.00	0.00	0.00	2.08	2672.72	25	0.00	0.00	0.00	0.00	0.21	270.43
26	0.00	0.00	0.00	0.00	1.25	1603.41	26	0.00	0.00	0.00	0.00	2.08	2670.64	26	0.00	0.00	0.00	0.00	0.21	270.22
27	0.00	0.00	0.00	0.00	1.23	1602.18	27	0.00	0.00	0.00	0.00	2.05	2668.59	27	0.00	0.00	0.00	0.00	0.21	270









# STATE OF COLORADO

## WATER DIVISION 2 OFFICE OF THE STATE ENGINEER

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August 31, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for June, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of June, 2001.

Table 1 shows the amount of pumping during the month of June, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

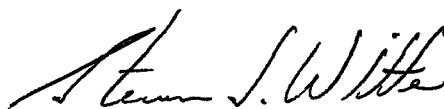
Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 30 of the days in June. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 40% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 12 of the days in June. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was continued during the month of June, 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 107.74 acre-feet of fully consumable water into the Offset Account during June, 2001. Also, a release of water from the Offset Account was initiated on June 18, 2001. This release was completed on June 21, 2001 when the Offset Account was emptied. A total of 2,659.90 acre-feet was released from the Offset Account by the end of June. As of June 30, 2001, there were 538.91 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of June is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Mark Rude	Aurelio Sisneros	John Draper
	Randy Hayzlett	Dale Book	David A. Brenn
	Hal Simpson	Rod Kuharich	Dennis Montgomery
	Thomas R. Pointon	Charlie DiDomenico	James G. Rogers
	Dale Straw	Jim Slattery	Bill Tyner

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**June, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED WELLHEAD DEPL</b>	
1	BESSEMER	2625	966
2	BOOTH ORCHARD	190	105
3	EXCELSIOR	475	285
4	COLLIER	66	22
5	COLORADO	791	324
6	ROCKY FORD HIGHLINE	1034	337
7	OXFORD	401	128
8	OTERO	89	32
9	CATLIN	1285	492
10	FORT LYON US	1777	600
11	ROCKY FORD	266	89
12	HOLBROOK	339	105
13	LAS ANIMAS CONSOLIDATED	188	75
14	BALDWIN-STUBBS	1578	798
15	FORT BENT	365	143
16	KEESE	515	186
17	AMITY	2870	1273
18	LAMAR/MANVEL	2189	778
19	HYDE	169	51
20	FORT LYON DS	1392	538
21	XY GRAHAM	391	171
22	BUFFALO	1090	327
23	SISSON	209	145
24	STATELINE SOLE SOURCE	2739	1790
600	LAWMA A.P.D.	1968	630
601	LAWMA A.P.D.	0	0
602	LAWMA A.P.D.	54	40
	<b>Totals</b>	<b>25055</b>	<b>10430</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**June, 2001**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
13	60	617	203	29	342	224	19	0	589	2096

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**June, 2001**

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	20.02	125.89	178.54	165.24	126.24	136.98	267.85	737.19	20.12	1778.07
Depletion to Usable SL Flow	0.00	0.00	0.00	81.20	62.03	67.31	219.37	603.76	16.48	1050.15
Replacements										0.00
FRY-ARK Return Flows	0.00	0.00								0.00
LAWMA-CO Beef Credit				0.00						0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								24.19		24.19
LAWMA-XY Direct Flow					1029.00					1029.00
LAWMA-Manvel Direct Flow					0.00					0.00
Offset Account Release Credit										0.00
Offset Account Water	0.00									0.00
Total Replacements	0.00	0.00	0.00	0.00	1029.00	0.00	0.00	24.19	0.00	1053.19

Enclosure 1

John Martin Offset Accounting for June 2001

Offset Account

June 2001

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						3152.59							0.00							1088.05
1	13.80	0.00	0.00	0.00	2.50	3163.89	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.86	1087.19
2	11.24	0.00	0.00	0.00	2.57	3172.56	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.88	1086.31
3	8.45	0.00	0.00	0.00	2.48	3178.53	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.85	1085.46
4	5.44	0.00	0.00	0.00	1.92	3182.05	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.65	1084.81
5	5.21	0.00	0.00	0.00	1.57	3185.69	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.54	1084.27
6	3.77	0.00	0.00	0.00	1.91	3187.55	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.65	1083.62
7	4.36	0.00	0.00	0.00	1.93	3189.98	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.65	1082.97
8	13.53	0.00	0.00	0.00	2.68	3200.83	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.91	1082.06
9	17.49	0.00	0.00	0.00	2.64	3215.68	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.89	1081.17
10	9.04	0.00	0.00	0.00	2.66	3222.06	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.89	1080.28
11	5.77	0.00	0.00	0.00	2.74	3225.09	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.92	1079.36
12	2.87	0.00	0.00	0.00	3.89	3224.07	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	1.30	1078.06
13	1.80	0.00	0.00	0.00	4.21	3221.66	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	1.41	1076.65
14	0.00	0.00	0.00	0.00	2.38	3219.28	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.80	1075.85
15	2.05	0.00	0.00	0.00	3.55	3217.78	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	1.18	1074.67
16	1.01	0.00	0.00	0.00	3.63	3215.16	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	1.21	1073.46
17	1.00	399.35	399.35	0.00	3.63	3212.53	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	399.35	0.00	0.00	1.21	1471.60
18	0.91	0.00	0.00	330.58	4.36	2878.50	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	330.58	2.00	1139.02
19	0.00	0.00	0.00	991.74	2.14	1884.62	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	991.74	0.85	146.43
20	0.00	0.00	0.00	991.74	1.49	891.39	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	146.31	0.12	0.00
21	0.00	0.00	0.00	345.84	0.57	544.98	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.61	544.37	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.61	543.76	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.61	543.15	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.61	542.54	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.85	541.69	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.70	540.99	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.66	540.33	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.71	539.62	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.71	538.91	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
107.74	399.35	399.35	2659.90	61.52			0.00	0.00	0.00	0.00	0.00	0.00	0.00	399.35	0.00	1468.63	18.77			

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2597.60							1034.17							475.38
1	13.80	0.00	0.00	0.00	2.06	2609.34	1	13.80	0.00	0.00	0.00	0.82	1047.15	1	0.00	0.00	0.00	0.00	0.38	475.00
2	11.24	0.00	0.00	0.00	2.12	2618.46	2	11.24	0.00	0.00	0.00	0.85	1057.54	2	0.00	0.00	0.00	0.00	0.39	474.61
3	8.45	0.00	0.00	0.00	2.05	2624.86	3	8.45	0.00	0.00	0.00	0.83	1065.16	3	0.00	0.00	0.00	0.00	0.37	474.24
4	5.44	0.00	0.00	0.00	1.58	2628.72	4	5.44	0.00	0.00	0.00	0.64	1069.96	4	0.00	0.00	0.00	0.00	0.29	473.95
5	5.21	0.00	0.00	0.00	1.30	2632.63	5	5.21	0.00	0.00	0.00	0.53	1074.64	5	0.00	0.00	0.00	0.00	0.23	473.72
6	3.77	0.00	0.00	0.00	1.57	2634.83	6	3.77	0.00	0.00	0.00	0.64	1077.77	6	0.00	0.00	0.00	0.00	0.28	473.44
7	4.36	0.00	0.00	0.00	1.59	2637.60	7	4.36	0.00	0.00	0.00	0.65	1081.48	7	0.00	0.00	0.00	0.00	0.29	473.15
8	13.53	0.00	0.00	0.00	2.22	2648.91	8	13.53	0.00	0.00	0.00	0.91	1094.10	8	0.00	0.00	0.00	0.00	0.40	472.75
9	17.49	0.00	0.00	0.00	2.18	2664.22	9	17.49	0.00	0.00	0.00	0.90	1110.69	9	0.00	0.00	0.00	0.00	0.39	472.36
10	9.04	0.00	0.00	0.00	2.20	2671.06	10	9.04	0.00	0.00	0.00	0.92	1118.81	10	0.00	0.00	0.00	0.00	0.39	471.97
11	5.77	0.00	0.00	0.00	2.27	2674.56	11	5.77	0.00	0.00	0.00	0.95	1123.63	11	0.00	0.00	0.00	0.00	0.40	471.57
12	2.87	0.00	0.00	0.00	3.23	2674.20	12	2.87	0.00	0.00	0.00	1.36	1125.14	12	0.00	0.00	0.00	0.00	0.57	471.00
13	1.80	0.00	0.00	0.00	3.49	2672.51	13	1.80	0.00	0.00	0.00	1.47	1125.47	13	0.00	0.00	0.00	0.00	0.61	470.39
14	0.00	0.00	0.00	0.00	1.98	2670.53	14	0.00	0.00	0.00	0.00	0.83	1124.64	14	0.00	0.00	0.00	0.00	0.35	470.04
15	2.05	0.00	0.00	0.00	2.94	2669.64	15	2.05	0.00	0.00	0.00	1.24	1125.45	15	0.00	0.00	0.00	0.00	0.52	469.52
16	1.01	0.00	0.00	0.00	3.01	2667.64	16	1.01	0.00	0.00	0.00	1.27	1125.19	16	0.00	0.00	0.00	0.00	0.53	468.99
17	1.00	399.35	399.35	0.00	3.01	2665.63	17	1.00	0.00	399.35	0.00	1.27	725.57	17	0.00	0.00	0.00	0.00	0.53	468.46
18	0.91	0.00	0.00	330.58	3.62	2332.34	18	0.91	0.00	0.00	0.00	0.98	725.50	18	0.00	0.00	0.00	0.00	0.64	467.82
19	0.00	0.00	0.00	991.74	1.74	1338.86	19	0.00	0.00	0.00	0.00	0.54	724.96	19	0.00	0.00	0.00	0.00	0.35	467.47
20	0.00	0.00	0.00	991.74	1.06	346.06	20	0.00	0.00	0.00	378.33	0.57	346.06	20	0.00	0.00	0.00	467.10	0.37	0.00
21	0.00	0.00	0.00	345.84	0.22	0.00	21	0.00	0.00	0.00	345.84	0.22	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						554.99							143.33
1	0.00	0.00	0.00	0.00	0.44	554.55	1	0.00	0.00	0.00	0.00	0.11	143.22
2	0.00	0.00	0.00	0.00	0.45	554.10	2	0.00	0.00	0.00	0.00	0.12	143.10
3	0.00	0.00	0.00	0.00	0.43	553.67	3	0.00	0.00	0.00	0.00	0.11	142.99
4	0.00	0.00	0.00	0.00	0.34	553.33	4	0.00	0.00	0.00	0.00	0.09	142.90
5	0.00	0.00	0.00	0.00	0.27	553.06	5	0.00	0.00	0.00	0.00	0.07	142.83
6	0.00	0.00	0.00	0.00	0.34	552.72	6	0.00	0.00	0.00	0.00	0.09	142.74
7	0.00	0.00	0.00	0.00	0.34	552.38	7	0.00	0.00	0.00	0.00	0.09	142.65
8	0.00	0.00	0.00	0.00	0.46	551.92	8	0.00	0.00	0.00	0.00	0.12	142.53
9	0.00	0.00	0.00	0.00	0.46	551.46	9	0.00	0.00	0.00	0.00	0.12	142.41
10	0.00	0.00	0.00	0.00	0.46	551.00	10	0.00	0.00	0.00	0.00	0.12	142.29
11	0.00	0.00	0.00	0.00	0.47	550.53	11	0.00	0.00	0.00	0.00	0.12	142.17
12	0.00	0.00	0.00	0.00	0.66	549.87	12	0.00	0.00	0.00	0.00	0.17	142.00
13	0.00	0.00	0.00	0.00	0.72	549.15	13	0.00	0.00	0.00	0.00	0.19	141.81
14	0.00	0.00	0.00	0.00	0.40	548.75	14	0.00	0.00	0.00	0.00	0.10	141.71
15	0.00	0.00	0.00	0.00	0.61	548.14	15	0.00	0.00	0.00	0.00	0.16	141.55
16	0.00	0.00	0.00	0.00	0.62	547.52	16	0.00	0.00	0.00	0.00	0.16	141.39
17	0.00	0.00	0.00	0.00	0.62	546.90	17	0.00	0.00	0.00	0.00	0.16	141.23
18	0.00	0.00	0.00	0.00	0.74	546.16	18	0.00	0.00	0.00	0.00	0.19	141.04
19	0.00	0.00	0.00	0.00	0.40	545.76	19	0.00	0.00	0.00	0.00	0.10	140.94
20	0.00	0.00	0.00	0.00	0.43	545.33	20	0.00	0.00	0.00	0.00	0.11	140.83
21	0.00	0.00	0.00	0.00	0.35	544.98	21	0.00	0.00	0.00	0.00	0.09	140.74
22	0.00	0.00	0.00	0.00	0.61	544.37	22	0.00	0.00	0.00	0.00	0.16	140.58
23	0.00	0.00	0.00	0.00	0.61	543.76	23	0.00	0.00	0.00	0.00	0.16	140.42
24	0.00	0.00	0.00	0.00	0.61	543.15	24	0.00	0.00	0.00	0.00	0.16	140.26
25	0.00	0.00	0.00	0.00	0.61	542.54	25	0.00	0.00	0.00	0.00	0.16	140.10
26	0.00	0.00	0.00	0.00	0.85	541.69	26	0.00	0.00	0.00	0.00	0.22	139.88
27	0.00	0.00	0.00	0.00	0.70	540.99	27	0.00	0.00	0.00	0.00	0.18	139.70
28	0.00	0.00	0.00	0.00	0.66	540.33	28	0.00	0.00	0.00	0.00	0.17	139.53
29	0.00	0.00	0.00	0.00	0.71	539.62	29	0.00	0.00	0.00	0.00	0.18	139.35
30	0.00	0.00	0.00	0.00	0.71	538.91	30	0.00	0.00	0.00	0.00	0.18	139.17
	0.00	0.00	0.00	0.00	16.08		0.00	0.00	0.00	0.00	0.00	4.16	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						411.66							0.00
1	0.00	0.00	0.00	0.00	0.33	411.33	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.33	411.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.32	410.68	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.25	410.43	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.20	410.23	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.25	409.98	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.25	409.73	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.34	409.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.34	409.05	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.34	408.71	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.35	408.36	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.49	407.87	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.53	407.34	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.30	407.04	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.45	406.59	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	406.13	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.46	405.67	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.55	405.12	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.30	404.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.32	404.50	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.26	404.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.45	403.79	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.45	403.34	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	402.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.45	402.44	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.63	401.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.52	401.29	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.49	400.80	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.53	400.27	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.53	399.74	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	11.92		0.00	0.00	0.00	0.00	0.00	0.00	



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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September 28, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for July, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of July, 2001.

Table 1 shows the amount of pumping during the month of July, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in July. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in July. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was continued during the month of July, 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 581.36 acre-feet of fully consumable water into the Offset Account during July, 2001. As of July 31, 2001, there were 1020.78 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of July is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Mark Rude	Aurelio Sisneros	John Draper
	Randy Hayzlett	Dale Book	David A. Brenn
	Hal Simpson	Rod Kuharich	Dennis Montgomery
	Thomas R. Pointon	Charlie DiDomenico	James G. Rogers
	Dale Straw	Jim Slattery	Bill Tyner

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**July, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	BESSEMER	2136.89	796.39
2	BOOTH ORCHARD	147.69	80.19
3	EXCELSIOR	533.96	332.27
4	COLLIER	130.12	43.75
5	COLORADO	630.34	272.24
6	ROCKY FORD HIGHLINE	1316.62	415.38
7	OXFORD	1051.74	326.67
8	OTERO	103.29	33.62
9	CATLIN	1855.84	744.14
10	FORT LYON US	2709.96	890.81
11	ROCKY FORD	176.48	57.42
12	HOLBROOK	471.95	148.41
13	LAS ANIMAS CONSOLIDATED	278.31	88.96
14	BALDWIN-STUBBS	1306.56	653.79
15	FORT BENT	213.12	93.79
16	KEESE	1043.60	343.04
17	AMITY	2687.40	1200.54
18	LAMAR/MANVEL	2508.17	877.06
19	HYDE	122.95	36.89
20	FORT LYON DS	1867.02	742.75
21	XY GRAHAM	516.66	240.89
22	BUFFALO	494.16	148.25
23	SISSON	123.78	86.11
24	STATELINE SOLE SOURCE	2494.30	1625.38
600	LAWMA A.P.D.	1925.60	616.19
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	22.27	16.70
	<b>Totals</b>	<b>26868.78</b>	<b>10911.63</b>



Enclosure 1

John Martin Offset Accounting for July 2001

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						538.91							0.00							0.00
1	0.00	65.20	65.20	0.00	0.73	538.18	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	65.20	0.00	0.00	0.00	65.20
2	0.00	0.00	0.00	0.00	0.70	537.48	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.08	65.12
3	0.00	0.00	0.00	0.00	0.72	536.76	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.09	65.03
4	0.00	0.00	0.00	0.00	0.73	536.03	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.09	64.94
5	0.00	0.00	0.00	0.00	0.66	535.37	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.08	64.86
6	0.00	0.00	0.00	0.00	0.84	534.53	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.10	64.76
7	0.00	0.00	0.00	0.00	0.84	533.69	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.10	64.66
8	0.00	0.00	0.00	0.00	0.85	532.84	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.10	64.56
9	49.47	0.00	0.00	0.00	0.72	581.59	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.09	64.47
10	0.00	0.00	0.00	0.00	0.79	580.80	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.09	64.38
11	0.00	0.00	0.00	0.00	0.79	580.01	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.09	64.29
12	0.00	0.00	0.00	0.00	0.89	579.12	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.10	64.19
13	0.00	0.00	0.00	0.00	1.15	577.97	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.13	64.06
14	0.00	0.00	0.00	0.00	1.16	576.81	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.13	63.93
15	0.00	0.00	0.00	0.00	1.16	575.65	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.13	63.80
16	0.00	0.00	0.00	0.00	0.79	574.86	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.09	63.71
17	128.19	0.00	0.00	0.00	0.50	702.55	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.06	63.65
18	27.69	0.00	0.00	0.00	0.88	729.36	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.06	63.57
19	28.19	0.00	0.00	0.00	0.68	756.87	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.06	63.51
20	19.23	0.00	0.00	0.00	0.97	775.13	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.08	63.43
21	14.53	0.00	0.00	0.00	1.01	788.65	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.08	63.35
22	10.42	0.00	0.00	0.00	1.03	798.04	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.08	63.27
23	29.65	278.00	278.00	0.00	1.03	826.66	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	278.00	0.00	0.00	0.08	341.19
24	30.15	0.00	0.00	0.00	1.04	855.77	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.43	340.76
25	22.93	0.00	0.00	0.00	0.95	877.75	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.38	340.38
26	33.21	0.00	0.00	0.00	0.98	909.98	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.38	340.00
27	10.24	0.00	0.00	0.00	0.95	919.27	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.35	339.65
28	36.54	0.00	0.00	0.00	0.95	954.86	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.35	339.30
29	35.42	0.00	0.00	0.00	1.01	989.27	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.36	338.94
30	0.00	0.00	0.00	0.00	1.93	987.34	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.66	338.28
31	105.50	0.00	0.00	70.78	1.28	1020.78	31	0.00	0.00	0.00	0.00	0.00	0.00	31	70.78	0.00	0.00	0.00	0.44	408.62
581.36 343.20 343.20 70.78 28.71							0.00 0.00 0.00 0.00 0.00							70.78 343.20 0.00 0.00 5.36						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00							0.00							0.00
1	0.00	65.20	0.00	0.00	0.00	65.20	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.08	65.12	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.09	65.03	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.09	64.94	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.08	64.86	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.10	64.76	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.10	64.66	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.10	64.56	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	49.47	0.00	0.00	0.00	0.09	113.94	9	49.47	0.00	0.00	0.00	0.00	49.47	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.16	113.78	10	0.00	0.00	0.00	0.00	0.07	49.40	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.16	113.62	11	0.00	0.00	0.00	0.00	0.07	49.33	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.18	113.44	12	0.00	0.00	0.00	0.00	0.08	49.25	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.23	113.21	13	0.00	0.00	0.00	0.00	0.10	49.15	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.23	112.98	14	0.00	0.00	0.00	0.00	0.10	49.05	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.23	112.75	15	0.00	0.00	0.00	0.00	0.10	48.95	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.16	112.59	16	0.00	0.00	0.00	0.00	0.07	48.88	16	0.00	0.00	0.00	0.00	0.00	0.00
17	128.19	0.00	0.00	0.00	0.10	240.68	17	128.19	0.00	0.00	0.00	0.04	177.03	17	0.00	0.00	0.00	0.00	0.00	0.00
18	27.69	0.00	0.00	0.00	0.30	268.07	18	27.69	0.00	0.00	0.00	0.22	204.50	18	0.00	0.00	0.00	0.00	0.00	0.00
19	28.19	0.00	0.00	0.00	0.25	296.01	19	28.19	0.00	0.00	0.00	0.19	232.50	19	0.00	0.00	0.00	0.00	0.00	0.00
20	19.23	0.00	0.00	0.00	0.38	314.86	20	19.23	0.00	0.00	0.00	0.30	251.43	20	0.00	0.00	0.00	0.00	0.00	0.00
21	14.53	0.00	0.00	0.00	0.41	328.98	21	14.53	0.00	0.00	0.00	0.33	265.63	21	0.00	0.00	0.00	0.00	0.00	0.00
22	10.42	0.00	0.00	0.00	0.43	338.97	22	10.42	0.00	0.00	0.00	0.35	275.70	22	0.00	0.00	0.00	0.00	0.00	0.00
23	29.65	278.00	278.00	0.00	0.44	368.18	23	29.65	0.00	278.00	0.00	0.36	26.99	23	0.00	0.00	0.00	0.00	0.00	0.00
24	30.15	0.00	0.00	0.00	0.46	397.87	24	30.15	0.00	0.00	0.00	0.03	57.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	22.93	0.00	0.00	0.00	0.44	420.36	25	22.93	0.00	0.00	0.00	0.06	79.98	25	0.00	0.00	0.00	0.00	0.00	0.00
26	33.21	0.00	0.00	0.00	0.47	453.10	26	33.21	0.00	0.00	0.00	0.09	113.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	10.24	0.00	0.00	0.00	0.47	462.87	27	10.24	0.00	0.00	0.00	0.12	123.22	27	0.00	0.00	0.00	0.00	0.00	0.00
28	36.54	0.00	0.00	0.00	0.47	498.94	28	36.54												



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						538.91							139.17
1	0.00	0.00	65.20	0.00	0.73	472.98	1	0.00	0.00	11.30	0.00	0.19	127.68
2	0.00	0.00	0.00	0.00	0.62	472.36	2	0.00	0.00	0.00	0.00	0.17	127.51
3	0.00	0.00	0.00	0.00	0.63	471.73	3	0.00	0.00	0.00	0.00	0.17	127.34
4	0.00	0.00	0.00	0.00	0.64	471.09	4	0.00	0.00	0.00	0.00	0.17	127.17
5	0.00	0.00	0.00	0.00	0.58	470.51	5	0.00	0.00	0.00	0.00	0.16	127.01
6	0.00	0.00	0.00	0.00	0.74	469.77	6	0.00	0.00	0.00	0.00	0.20	126.81
7	0.00	0.00	0.00	0.00	0.74	469.03	7	0.00	0.00	0.00	0.00	0.20	126.61
8	0.00	0.00	0.00	0.00	0.75	468.28	8	0.00	0.00	0.00	0.00	0.20	126.41
9	0.00	0.00	0.00	0.00	0.63	467.65	9	0.00	0.00	0.00	0.00	0.17	126.24
10	0.00	0.00	0.00	0.00	0.63	467.02	10	0.00	0.00	0.00	0.00	0.17	126.07
11	0.00	0.00	0.00	0.00	0.63	466.39	11	0.00	0.00	0.00	0.00	0.17	125.90
12	0.00	0.00	0.00	0.00	0.71	465.68	12	0.00	0.00	0.00	0.00	0.19	125.71
13	0.00	0.00	0.00	0.00	0.92	464.76	13	0.00	0.00	0.00	0.00	0.25	125.46
14	0.00	0.00	0.00	0.00	0.93	463.83	14	0.00	0.00	0.00	0.00	0.25	125.21
15	0.00	0.00	0.00	0.00	0.93	462.90	15	0.00	0.00	0.00	0.00	0.25	124.96
16	0.00	0.00	0.00	0.00	0.63	462.27	16	0.00	0.00	0.00	0.00	0.17	124.79
17	0.00	0.00	0.00	0.00	0.40	461.87	17	0.00	0.00	0.00	0.00	0.11	124.68
18	0.00	0.00	0.00	0.00	0.58	461.29	18	0.00	0.00	0.00	0.00	0.16	124.52
19	0.00	0.00	0.00	0.00	0.43	460.86	19	0.00	0.00	0.00	0.00	0.12	124.40
20	0.00	0.00	0.00	0.00	0.59	460.27	20	0.00	0.00	0.00	0.00	0.16	124.24
21	0.00	0.00	0.00	0.00	0.60	459.67	21	0.00	0.00	0.00	0.00	0.16	124.08
22	0.00	0.00	0.00	0.00	0.60	459.07	22	0.00	0.00	0.00	0.00	0.16	123.92
23	0.00	0.00	0.00	0.00	0.59	458.48	23	0.00	0.00	0.00	0.00	0.16	123.76
24	0.00	0.00	0.00	0.00	0.58	457.90	24	0.00	0.00	0.00	0.00	0.16	123.60
25	0.00	0.00	0.00	0.00	0.51	457.39	25	0.00	0.00	0.00	0.00	0.14	123.46
26	0.00	0.00	0.00	0.00	0.51	456.88	26	0.00	0.00	0.00	0.00	0.14	123.32
27	0.00	0.00	0.00	0.00	0.48	456.40	27	0.00	0.00	0.00	0.00	0.13	123.19
28	0.00	0.00	0.00	0.00	0.48	455.92	28	0.00	0.00	0.00	0.00	0.13	123.06
29	0.00	0.00	0.00	0.00	0.48	455.44	29	0.00	0.00	0.00	0.00	0.13	122.93
30	0.00	0.00	0.00	0.00	0.89	454.55	30	0.00	0.00	0.00	0.00	0.24	122.69
31	0.00	0.00	0.00	70.78	0.59	383.18	31	0.00	0.00	0.00	12.27	0.16	110.26
	0.00	0.00	65.20	70.78	19.75			0.00	0.00	11.30	12.27	5.34	

OffsetAccount-ReturnFlow Return Flow

OffsetAccount-ReturnFlow Unused

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						399.74							0.00
1	0.00	0.00	53.90	0.00	0.54	345.30	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.45	344.85	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.46	344.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.47	343.92	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.42	343.50	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.54	342.96	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.54	342.42	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.55	341.87	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.46	341.41	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.46	340.95	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.46	340.49	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.52	339.97	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.67	339.30	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.68	338.62	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.68	337.94	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.46	337.48	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.29	337.19	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.42	336.77	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.31	336.46	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.43	336.03	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.44	335.59	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.44	335.15	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.43	334.72	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.42	334.30	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.37	333.93	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	333.56	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.35	333.21	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.35	332.86	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.35	332.51	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	331.86	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	58.51	0.43	272.92	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	53.90	58.51	14.41			0.00	0.00	0.00	0.00	0.00	



Bill Tiner

# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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October 30, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

David L. Pope  
Kansas Chief Engineer  
Kansas Board of Agriculture  
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Topeka, KS 66612-1283

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for August, 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of August, 2001.

Table 1 shows the amount of pumping during the month of August, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

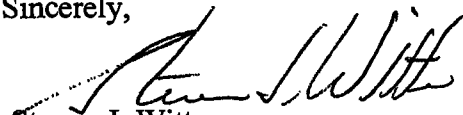
Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in August. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in August. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was continued during the month of August, 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 116.60 acre-feet of fully consumable water into the Offset Account during August, 2001. A delivery of water to the Offset Account was also made by LAWMA using 1100.98 acre-feet of water from LAWMA's Lamar Canal Article II account as identified in my letter to the Kansas Chief Engineer of August 15, 2001. As of August 31, 2001, there were 2165.93 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of August is attached at Enclosure 1. Attached at Enclosure 2 is a revised Table 3 for July, 2001. In my letter dated September 28, 2001 reporting Offset Account Operations for July, 2001, Table 3 showed 1165.16 acre-feet of credit that LAWMA claims associated with a portion of the Kansas Transit Loss Account release. This credit can only be taken by LAWMA to replace depletions in-state and the accounting was revised accordingly as shown at Enclosure 2.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude                      Aurelio Sisneros                      John Draper  
Randy Hayzlett                      Dale Book                      David A. Brenn  
Hal Simpson                      Rod Kuharich                      Dennis Montgomery  
Thomas R. Pointon                      Charlie DiDomenico                      James G. Rogers  
Dale Straw                      Jim Slattery                      Bill Tyner

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**August, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED WELLHEAD DEPL</b>	
1	BESSEMER	1868.56	737.77
2	BOOTH ORCHARD	216.62	122.45
3	EXCELSIOR	384.52	241.17
4	COLLIER	123.77	41.05
5	COLORADO	797.37	323.44
6	ROCKY FORD HIGHLINE	981.52	315.08
7	OXFORD	706.89	219.48
8	OTERO	73.08	24.36
9	CATLIN	1335.88	508.26
10	FORT LYON US	2243.22	733.60
11	ROCKY FORD	138.16	49.09
12	HOLBROOK	397.85	127.81
13	LAS ANIMAS CONSOLIDATED	318.59	132.58
14	BALDWIN-STUBBS	1245.07	622.53
15	FORT BENT	386.09	149.62
16	KEESE	785.06	249.07
17	AMITY	1672.34	840.90
18	LAMAR/MANVEL	2888.80	1070.44
19	HYDE	103.64	39.72
20	FORT LYON DS	1372.76	552.92
21	XY GRAHAM	474.66	208.28
22	BUFFALO	506.19	151.86
23	SISSON	216.89	150.88
24	STATELINE SOLE SOURCE	2038.92	1392.04
600	LAWMA A.P.D.	1811.23	579.59
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	35.27	26.45
	<b>Totals</b>	<b>23122.95</b>	<b>9610.44</b>



Enclosure 1

John Martin Offset Accounting for August 2001

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1020.78							0.00							408.62
1	34.70	0.00	0.00	0.00	1.50	1053.98	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.60	408.02
2	30.93	0.00	0.00	0.00	0.90	1084.01	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.35	407.67
3	24.33	0.00	0.00	0.00	1.73	1106.61	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.65	407.02
4	18.10	0.00	0.00	0.00	1.81	1122.90	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.67	406.35
5	0.00	0.00	0.00	0.00	1.84	1121.06	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.67	405.68
6	0.00	0.00	0.00	0.00	1.57	1119.49	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.57	405.11
7	0.00	0.00	0.00	0.00	1.33	1118.16	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.48	404.63
8	0.00	0.00	0.00	0.00	1.70	1116.46	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.61	404.02
9	8.54	0.00	0.00	0.00	1.00	1124.00	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.36	403.66
10	0.00	1100.98	0.00	0.00	1.88	2223.10	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.68	402.98
11	0.00	0.00	0.00	0.00	3.74	2219.36	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.68	402.30
12	0.00	0.00	0.00	0.00	3.76	2215.60	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.68	401.62
13	0.00	0.00	0.00	0.00	3.21	2212.39	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.58	401.04
14	0.00	0.00	0.00	0.00	2.43	2209.96	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.44	400.60
15	0.00	0.00	0.00	0.00	1.87	2208.09	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.34	400.26
16	0.00	0.00	0.00	0.00	2.02	2206.07	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.37	399.89
17	0.00	0.00	0.00	0.00	2.31	2203.76	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.42	399.47
18	0.00	0.00	0.00	0.00	2.31	2201.45	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.42	399.05
19	0.00	0.00	0.00	0.00	2.31	2199.14	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.42	398.63
20	0.00	0.00	0.00	0.00	3.42	2195.72	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.62	398.01
21	0.00	0.00	0.00	0.00	2.68	2193.04	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.49	397.52
22	0.00	0.00	0.00	0.00	3.04	2190.00	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.55	396.97
23	0.00	0.00	0.00	0.00	2.54	2187.46	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.46	396.51
24	0.00	0.00	0.00	0.00	2.25	2185.21	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.41	396.10
25	0.00	0.00	0.00	0.00	2.16	2183.05	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.39	395.71
26	0.00	0.00	0.00	0.00	2.20	2180.85	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.40	395.31
27	0.00	0.00	0.00	0.00	4.03	2176.82	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.73	394.58
28	0.00	0.00	0.00	0.00	3.52	2173.30	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.64	393.94
29	0.00	0.00	0.00	0.00	2.94	2170.36	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.53	393.41
30	0.00	0.00	0.00	0.00	2.21	2168.15	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.40	393.01
31	0.00	112.96	112.96	0.00	2.22	2165.93	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	112.96	0.00	0.00	0.40	505.57
	116.60	1213.94	112.96	0.00	72.43			0.00	0.00	0.00	0.00	0.00			0.00	112.96	0.00	0.00	16.01	
OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						637.60							228.98							0.00
1	34.70	0.00	0.00	0.00	0.94	671.36	1	34.70	0.00	0.00	0.00	0.34	263.34	1	0.00	0.00	0.00	0.00	0.00	0.00
2	30.93	0.00	0.00	0.00	0.58	701.71	2	30.93	0.00	0.00	0.00	0.23	294.04	2	0.00	0.00	0.00	0.00	0.00	0.00
3	24.33	0.00	0.00	0.00	1.12	724.92	3	24.33	0.00	0.00	0.00	0.47	317.90	3	0.00	0.00	0.00	0.00	0.00	0.00
4	18.10	0.00	0.00	0.00	1.19	741.83	4	18.10	0.00	0.00	0.00	0.52	335.48	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.22	740.61	5	0.00	0.00	0.00	0.00	0.55	334.93	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.04	739.57	6	0.00	0.00	0.00	0.00	0.47	334.46	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.88	738.69	7	0.00	0.00	0.00	0.00	0.40	334.06	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.12	737.57	8	0.00	0.00	0.00	0.00	0.51	333.55	8	0.00	0.00	0.00	0.00	0.00	0.00
9	8.54	0.00	0.00	0.00	0.66	745.45	9	8.54	0.00	0.00	0.00	0.30	341.79	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	500.00	0.00	0.00	1.25	1244.20	10	0.00	500.00	0.00	0.00	0.57	841.22	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.09	1242.11	11	0.00	0.00	0.00	0.00	1.41	839.81	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.10	1240.01	12	0.00	0.00	0.00	0.00	1.42	838.39	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.79	1238.22	13	0.00	0.00	0.00	0.00	1.21	837.18	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.36	1236.86	14	0.00	0.00	0.00	0.00	0.92	836.26	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.05	1235.81	15	0.00	0.00	0.00	0.00	0.71	835.55	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.13	1234.68	16	0.00	0.00	0.00	0.00	0.76	834.79	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.29	1233.39	17	0.00	0.00	0.00	0.00	0.87	833.92	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.29	1232.10	18	0.00	0.00	0.00	0.00	0.87	833.05	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.29	1230.81	19	0.00	0.00	0.00	0.00	0.87	832.18	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.91	1228.90	20	0.00	0.00	0.00	0.00	1.29	830.89	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.50	1227.40	21	0.00	0.00	0.00	0.00	1.01	829.88	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.70	1225.70	22	0.00	0.00	0.00	0.00	1.15	828.73	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.42	1224.28	23	0.00	0.00	0.00	0.00	0.96	827.77	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.26	1223.02	24	0.00	0.00	0.00	0.00	0.85	826.92	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.21	1221.81	25	0.00	0.00	0.00	0.00	0.82	826.10	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.23	1220.58	26	0.00	0.00	0.00	0.00	0.83	825.27	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	2.25	1218.33	27	0.00	0.00	0.00	0.00	1.52	823.75	27	0.00	0.00	0.00	0.00	0.00	0.00
28																				



OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						383.18							110.26
1	0.00	0.00	0.00	0.00	0.56	382.62	1	0.00	0.00	0.00	0.00	0.16	110.10
2	0.00	0.00	0.00	0.00	0.32	382.30	2	0.00	0.00	0.00	0.00	0.09	110.01
3	0.00	0.00	0.00	0.00	0.61	381.69	3	0.00	0.00	0.00	0.00	0.18	109.83
4	0.00	0.00	0.00	0.00	0.62	381.07	4	0.00	0.00	0.00	0.00	0.18	109.65
5	0.00	0.00	0.00	0.00	0.62	380.45	5	0.00	0.00	0.00	0.00	0.18	109.47
6	0.00	0.00	0.00	0.00	0.53	379.92	6	0.00	0.00	0.00	0.00	0.15	109.32
7	0.00	0.00	0.00	0.00	0.45	379.47	7	0.00	0.00	0.00	0.00	0.13	109.19
8	0.00	0.00	0.00	0.00	0.58	378.89	8	0.00	0.00	0.00	0.00	0.17	109.02
9	0.00	0.00	0.00	0.00	0.34	378.55	9	0.00	0.03	0.00	0.00	0.10	108.92
10	0.00	600.98	0.00	0.00	0.63	978.90	10	0.00	110.08	0.00	0.00	0.18	218.82
11	0.00	0.00	0.00	0.00	1.65	977.25	11	0.00	0.00	0.00	0.00	0.37	218.45
12	0.00	0.00	0.00	0.00	1.66	975.59	12	0.00	0.00	0.00	0.00	0.37	218.08
13	0.00	0.00	0.00	0.00	1.42	974.17	13	0.00	0.00	0.00	0.00	0.32	217.76
14	0.00	0.00	0.00	0.00	1.07	973.10	14	0.00	0.00	0.00	0.00	0.24	217.52
15	0.00	0.00	0.00	0.00	0.82	972.28	15	0.00	0.00	0.00	0.00	0.18	217.34
16	0.00	0.00	0.00	0.00	0.89	971.39	16	0.00	0.00	0.00	0.00	0.20	217.14
17	0.00	0.00	0.00	0.00	1.02	970.37	17	0.00	0.00	0.00	0.00	0.23	216.91
18	0.00	0.00	0.00	0.00	1.02	969.35	18	0.00	0.00	0.00	0.00	0.23	216.68
19	0.00	0.00	0.00	0.00	1.02	968.33	19	0.00	0.00	0.00	0.00	0.23	216.45
20	0.00	0.00	0.00	0.00	1.51	966.82	20	0.00	0.00	0.00	0.00	0.34	216.11
21	0.00	0.00	0.00	0.00	1.18	965.64	21	0.00	0.00	0.00	0.00	0.26	215.85
22	0.00	0.00	0.00	0.00	1.34	964.30	22	0.00	0.00	0.00	0.00	0.30	215.55
23	0.00	0.00	0.00	0.00	1.12	963.18	23	0.00	0.00	0.00	0.00	0.25	215.30
24	0.00	0.00	0.00	0.00	0.99	962.19	24	0.00	0.00	0.00	0.00	0.22	215.08
25	0.00	0.00	0.00	0.00	0.95	961.24	25	0.00	0.00	0.00	0.00	0.21	214.87
26	0.00	0.00	0.00	0.00	0.97	960.27	26	0.00	0.00	0.00	0.00	0.22	214.65
27	0.00	0.00	0.00	0.00	1.78	958.49	27	0.00	0.00	0.00	0.00	0.40	214.25
28	0.00	0.00	0.00	0.00	1.55	956.94	28	0.00	0.00	0.00	0.00	0.35	213.90
29	0.00	0.00	0.00	0.00	1.30	955.64	29	0.00	0.00	0.00	0.00	0.29	213.61
30	0.00	0.00	0.00	0.00	0.97	954.67	30	0.00	0.00	0.00	0.00	0.22	213.39
31	0.00	0.00	112.96	0.00	0.98	840.73	31	0.00	0.00	17.91	0.00	0.22	195.26
	0.00	600.98	112.96	0.00	30.47			0.00	110.08	17.91	0.00	7.17	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						272.92							0.00
1	0.00	0.00	0.00	0.00	0.40	272.52	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.23	272.29	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.43	271.86	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.44	271.42	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.44	270.98	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.38	270.60	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.32	270.28	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.41	269.87	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.24	269.63	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	490.90	0.00	0.00	0.45	760.08	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.28	758.80	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.29	757.51	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.10	756.41	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.83	755.58	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.64	754.94	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.69	754.25	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.79	753.46	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.79	752.67	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.79	751.88	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.17	750.71	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.92	749.79	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.04	748.75	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.87	747.88	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.77	747.11	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.74	746.37	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.75	745.62	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.38	744.24	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.20	743.04	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.01	742.03	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.75	741.28	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	95.05	0.00	0.76	645.47	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	490.90	95.05	0.00	23.30			0.00	0.00	0.00	0.00	0.00	

**Enclosure 2**

**Revised Table 3**

**Colorado Pumping and Offset Account Operations for July, 2001**





# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

310 East Abriendo, Suite B  
Pueblo, Colorado 81004  
Phone: (719) 542-3368  
FAX: (719) 544-0800

November 14, 2001



<http://water.state.co.us/default.htm>

**David L. Pope**  
**Kansas Chief Engineer**  
**Kansas Board of Agriculture**  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66612-1283

Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

Ms. Jan Anderson  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1600, 804 S. Main  
Lamar, CO 81052

**RE: Monthly Report of Colorado Pumping and Offset Account Operations for September 2001**

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of September, 2001.

Table 1 shows the amount of pumping during the month of September, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

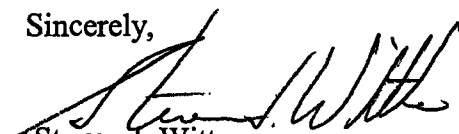
Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 30 of the days in September. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 30 of the days in September. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was continued during the month of September 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 453.49 acre-feet of fully consumable water into the Offset Account during September 2001. As of September 30, 2001, there were 2549.72 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of September is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Mark Rude Aurelio Sisneros John Draper  
Randy Hayzlett Dale Book David A. Brenn  
Hal Simpson Rod Kuharich Dennis Montgomery  
Thomas R. Pointon Charlie DiDomenico James G. Rogers  
Dale Straw Jim Slattery Bill Tyner

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**September, 2001**

<b>USER NO.</b>	<b>DITCH NAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPL</b>
1	BESSEMER	1868.56	737.77
2	BOOTH ORCHARD	216.62	122.45
3	EXCELSIOR	384.52	241.17
4	COLLIER	123.77	41.05
5	COLORADO	797.37	323.44
6	ROCKY FORD HIGHLINE	981.52	315.08
7	OXFORD	706.89	219.48
8	OTERO	73.08	24.36
9	CATLIN	1335.88	508.26
10	FORT LYON US	2243.22	733.60
11	ROCKY FORD	138.16	49.09
12	HOLBROOK	397.85	127.81
13	LAS ANIMAS CONSOLIDATED	318.59	132.58
14	BALDWIN-STUBBS	1245.07	622.53
15	FORT BENT	386.09	149.62
16	KEESE	785.06	249.07
17	AMITY	1672.34	840.90
18	LAMAR/MANVEL	2888.80	1070.44
19	HYDE	103.64	39.72
20	FORT LYON DS	1372.76	552.92
21	XY GRAHAM	474.66	208.28
22	BUFFALO	506.19	151.86
23	SISSON	216.89	150.88
24	STATELINE SOLE SOURCE	2038.92	1392.04
600	LAWMA A.P.D.	1811.23	579.59
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	35.27	26.45
	<b>Totals</b>	<b>23122.95</b>	<b>9610.44</b>





**Enclosure 1**

**John Martin Offset Accounting for September 2001**

OffsetAccount-Totals							OffsetAccount-Consumable Upstream							OffsetAccount-Consumable Kansas						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2165.93							0.00							505.57
1	0.00	0.00	0.00	0.00	2.20	2163.73	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.40	505.17
2	0.00	0.00	0.00	0.00	2.22	2161.51	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.40	504.77
3	0.00	0.00	0.00	0.00	2.29	2159.22	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.41	504.36
4	0.00	0.00	0.00	0.00	3.88	2155.34	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.91	503.45
5	0.00	0.00	0.00	0.00	3.43	2151.91	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.80	502.65
6	0.00	0.00	0.00	0.00	2.99	2148.92	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.70	501.95
7	0.00	0.00	0.00	0.00	1.25	2147.67	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.29	501.66
8	0.00	0.00	0.00	0.00	1.21	2146.46	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.28	501.38
9	0.00	0.00	0.00	0.00	1.28	2145.18	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.30	501.08
10	0.00	0.00	0.00	0.00	3.46	2141.72	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.81	500.27
11	0.00	0.00	0.00	0.00	2.41	2139.31	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.56	499.71
12	0.00	0.00	0.00	0.00	2.48	2136.83	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.58	499.13
13	0.00	0.00	0.00	0.00	2.19	2134.64	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.51	498.62
14	0.00	0.00	0.00	0.00	2.50	2132.14	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.58	498.04
15	0.00	0.00	0.00	0.00	2.49	2129.65	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.58	497.46
16	0.00	0.00	0.00	0.00	2.45	2127.20	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.57	496.89
17	0.00	0.00	0.00	0.00	0.17	2127.03	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.04	496.85
18	0.00	0.00	0.00	0.00	1.32	2125.71	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.31	496.54
19	0.00	0.00	0.00	0.00	1.66	2124.05	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.39	496.15
20	0.00	0.00	0.00	0.00	2.54	2121.51	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.59	495.56
21	0.00	0.00	0.00	0.00	2.45	2119.06	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.57	494.99
22	0.00	0.00	0.00	0.00	2.46	2116.60	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.58	494.41
23	0.00	0.00	0.00	0.00	2.41	2114.19	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.56	493.85
24	123.76	0.00	0.00	0.00	1.63	2236.32	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.38	493.47
25	27.12	0.00	0.00	0.00	1.96	2261.48	25	0.00	0.00	-0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.43	493.04
26	75.91	0.00	0.00	0.00	2.38	2335.01	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.52	492.52
27	35.91	0.00	0.00	0.00	3.94	2366.98	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.83	491.69
28	108.91	0.00	0.00	0.00	3.66	2472.23	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.76	490.93
29	0.00	0.00	0.00	0.00	2.18	2470.05	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.43	490.50
30	81.88	95.75	95.75	0.00	2.21	2549.72	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	95.75	0.00	0.00	0.44	585.81
453.49 95.75 95.75 0.00 69.70							0.00 0.00 0.00 0.00 0.00							0.00 95.75 0.00 0.00 15.51						

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1325.20							819.63							0.00
1	0.00	0.00	0.00	0.00	1.23	1323.97	1	0.00	0.00	0.00	0.00	0.83	818.80	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.24	1322.73	2	0.00	0.00	0.00	0.00	0.84	817.96	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.28	1321.45	3	0.00	0.00	0.00	0.00	0.87	817.09	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	2.38	1319.07	4	0.00	0.00	0.00	0.00	1.47	815.62	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	2.10	1316.97	5	0.00	0.00	0.00	0.00	1.30	814.32	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.83	1315.14	6	0.00	0.00	0.00	0.00	1.13	813.19	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.77	1314.37	7	0.00	0.00	0.00	0.00	0.48	812.71	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.74	1313.63	8	0.00	0.00	0.00	0.00	0.46	812.25	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.78	1312.85	9	0.00	0.00	0.00	0.00	0.48	811.77	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.12	1310.73	10	0.00	0.00	0.00	0.00	1.31	810.46	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.47	1309.26	11	0.00	0.00	0.00	0.00	0.91	809.55	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.52	1307.74	12	0.00	0.00	0.00	0.00	0.94	808.61	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.34	1306.40	13	0.00	0.00	0.00	0.00	0.83	807.78	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.53	1304.87	14	0.00	0.00	0.00	0.00	0.95	806.83	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.52	1303.35	15	0.00	0.00	0.00	0.00	0.94	805.89	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.50	1301.85	16	0.00	0.00	0.00	0.00	0.93	804.96	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.10	1301.75	17	0.00	0.00	0.00	0.00	0.06	804.90	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.81	1300.94	18	0.00	0.00	0.00	0.00	0.50	804.40	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.02	1299.92	19	0.00	0.00	0.00	0.00	0.63	803.77	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.55	1298.37	20	0.00	0.00	0.00	0.00	0.96	802.81	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.50	1296.87	21	0.00	0.00	0.00	0.00	0.93	801.88	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.51	1295.36	22	0.00	0.00	0.00	0.00	0.93	800.95	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.47	1293.89	23	0.00	0.00	0.00	0.00	0.91	800.04	23	0.00	0.00	0.00	0.00	0.00	0.00
24	123.76	0.00	0.00	0.00	1.00	1416.65	24	123.76	0.00	0.00	0.00	0.62	923.18	24	0.00	0.00	0.00	0.00	0.00	0.00
25	27.12	0.00	0.00	0.00	1.24	1442.53	25	27.12	0.00	0.00	0.00	0.81	949.49	25	0.00	0.00	0.00	0.00	0.00	0.00
26	75.91	0.00	0.00	0.00	1.52	1516.92	26	75.91	0.00	0.00	0.00	1.00	1024.40	26	0.00	0.00	0.00	0.00	0.00	0.00
27	35.91	0.00	0.00	0.00	2.56	1550.27	27	35.91	0.00	0.00	0.00	1.73	1058.58	27	0.00	0.00	0.00	0.00	0.00	0.00
28	108.91	0.00	0.00	0.00	2.40	1655.78	28	108.91	0.00	0.00	0.00	1.64	1165.85	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.46	1655.32	29	0.00	0.00	0.00	0.00	1.03	1164.82	29	0.00	0.00	0.00	0.00	0.00	0.00
30	81.88	95.75	0.00	0.00	1.48	1831.47	30	81.88	0.00	0.00										

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF TransIt Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						840.73							195.26
1	0.00	0.00	0.00	0.00	0.97	839.76	1	0.00	0.00	0.00	0.00	0.22	195.04
2	0.00	0.00	0.00	0.00	0.98	838.78	2	0.00	0.00	0.00	0.00	0.22	194.82
3	0.00	0.00	0.00	0.00	1.01	837.77	3	0.00	0.00	0.00	0.00	0.23	194.59
4	0.00	0.00	0.00	0.00	1.50	836.27	4	0.00	0.00	0.00	0.00	0.35	194.24
5	0.00	0.00	0.00	0.00	1.33	834.94	5	0.00	0.00	0.00	0.00	0.31	193.93
6	0.00	0.00	0.00	0.00	1.16	833.78	6	0.00	0.00	0.00	0.00	0.27	193.66
7	0.00	0.00	0.00	0.00	0.48	833.30	7	0.00	0.00	0.00	0.00	0.11	193.55
8	0.00	0.00	0.00	0.00	0.47	832.83	8	0.00	0.00	0.00	0.00	0.11	193.44
9	0.00	0.00	0.00	0.00	0.50	832.33	9	0.00	0.00	0.00	0.00	0.12	193.32
10	0.00	0.00	0.00	0.00	1.34	830.99	10	0.00	0.00	0.00	0.00	0.31	193.01
11	0.00	0.00	0.00	0.00	0.94	830.05	11	0.00	0.00	0.00	0.00	0.22	192.79
12	0.00	0.00	0.00	0.00	0.96	829.09	12	0.00	0.00	0.00	0.00	0.22	192.57
13	0.00	0.00	0.00	0.00	0.85	828.24	13	0.00	0.00	0.00	0.00	0.20	192.37
14	0.00	0.00	0.00	0.00	0.97	827.27	14	0.00	0.00	0.00	0.00	0.23	192.14
15	0.00	0.00	0.00	0.00	0.97	826.30	15	0.00	0.00	0.00	0.00	0.23	191.91
16	0.00	0.00	0.00	0.00	0.95	825.35	16	0.00	0.00	0.00	0.00	0.22	191.69
17	0.00	0.00	0.00	0.00	0.07	825.28	17	0.00	0.00	0.00	0.00	0.02	191.67
18	0.00	0.00	0.00	0.00	0.51	824.77	18	0.00	0.00	0.00	0.00	0.12	191.55
19	0.00	0.00	0.00	0.00	0.64	824.13	19	0.00	0.00	0.00	0.00	0.15	191.40
20	0.00	0.00	0.00	0.00	0.99	823.14	20	0.00	0.00	0.00	0.00	0.23	191.17
21	0.00	0.00	0.00	0.00	0.95	822.19	21	0.00	0.00	0.00	0.00	0.22	190.95
22	0.00	0.00	0.00	0.00	0.95	821.24	22	0.00	0.00	0.00	0.00	0.22	190.73
23	0.00	0.00	0.00	0.00	0.94	820.30	23	0.00	0.00	0.00	0.00	0.22	190.51
24	0.00	0.00	0.00	0.00	0.63	819.67	24	0.00	0.00	0.00	0.00	0.15	190.36
25	0.00	0.00	0.00	0.00	0.72	818.95	25	0.00	0.00	0.00	0.00	0.17	190.19
26	0.00	0.00	0.00	0.00	0.86	818.09	26	0.00	0.00	0.00	0.00	0.20	189.99
27	0.00	0.00	0.00	0.00	1.38	816.71	27	0.00	0.00	0.00	0.00	0.32	189.67
28	0.00	0.00	0.00	0.00	1.26	815.45	28	0.00	0.00	0.00	0.00	0.29	189.38
29	0.00	0.00	0.00	0.00	0.72	814.73	29	0.00	0.00	0.00	0.00	0.17	189.21
30	0.00	0.00	95.75	0.00	0.73	718.25	30	0.00	0.00	15.17	0.00	0.17	173.87
	0.00		95.75	0.00	26.73			0.00		15.17	0.00	6.22	

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Return Flow

Unused

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						645.47							0.00
1	0.00	0.00	0.00	0.00	0.75	644.72	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.76	643.96	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.78	643.18	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.15	642.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.02	641.01	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.89	640.12	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.37	639.75	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.36	639.39	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.38	639.01	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.03	637.98	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.72	637.26	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.74	636.52	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.65	635.87	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.74	635.13	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.74	634.39	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.73	633.66	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.05	633.61	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.39	633.22	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.49	632.73	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.76	631.97	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.73	631.24	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.73	630.51	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.72	629.79	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.48	629.31	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.55	628.76	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.66	628.10	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.06	627.04	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.97	626.07	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.55	625.52	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	80.58	0.00	0.56	544.38	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	80.58	0.00	20.51			0.00	0.00	0.00	0.00	0.00	



# STATE OF COLORADO

**WATER DIVISION 2  
OFFICE OF THE STATE ENGINEER**

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Arkansas River Compact Administration  
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November 20, 2001



Bill Owens  
Governor

Greg E. Walcher  
Executive Director

Hal D. Simpson, P.E.  
State Engineer

Steven J. Witte, P.E.  
Division Engineer

RE: Monthly Report of Colorado Pumping and Offset Account Operations for October 2001

Dear Mr. Pope and Ms. Anderson:

The purpose of this letter is to provide the monthly report required by paragraph 12 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). This letter reports the monthly pumping in excess of Colorado's pre-Compact entitlement, Colorado's monthly accounting of Compact compliance, and the status of water delivered to the Offset Account, all during the month of October, 2001.

Table 1 shows the amount of pumping during the month of October, 2001 by irrigation wells pumping from the Valley Fill Aquifer and surficial aquifers along the Arkansas River between Pueblo and the Stateline, as well as the corresponding wellhead depletions, by user group. The wellhead depletions were computed using the presumptive stream depletions in Rule 4.2 of the **AMENDED RULES AND REGULATIONS GOVERNING THE DIVERSION AND USE OF TRIBUTARY GROUND WATER IN THE ARKANSAS RIVER BASIN, COLORADO** ("Rules") approved in Case No. 95CW211.

Table 2 shows the wellhead depletions due to pumping by irrigation wells in the user groups below John Martin Reservoir that are in excess of the pre-Compact entitlements.

Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been provided to Kansas, the accounting in this report shows only remaining depletions caused by irrigation pumping in excess of the pre-Compact entitlements for those river reaches where no replacements or only partial replacements were made to replace out-of-priority depletions to senior surface water rights in Colorado.

Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in October. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 100% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches on 31 of the days in October. The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows which were made during the month.

A delivery of water to the Offset Account was continued during the month of October 2001 by LAWMA using consumptive use credits from their ownership in the Highland Canal. This delivery netted 200.68 acre-feet of fully consumable water into the Offset Account during October 2001. As of October 31, 2001, there were 2687.39 acre-feet being stored in the offset account. The accounting spreadsheet for the Offset Account for the month of October is attached at Enclosure 1.

Please contact me if you have any questions or require additional information.

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc:	Mark Rude	Aurelio Sisneros	John Draper
	Randy Hayzlett	Dale Book	David A. Brenn
	Hal Simpson	Rod Kuharich	Dennis Montgomery
	Thomas R. Pointon	Charlie DiDomenico	James G. Rogers
	Dale Straw	Jim Slattery	Bill Tyner

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**October, 2001**

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	846.56	351.86
2	BOOTH ORCHARD	119.82	68.01
3	EXCELSIOR	431.01	263.81
4	COLLIER	15.38	4.61
5	COLORADO	123.77	68.94
6	ROCKY FORD HIGHLINE	350.08	114.40
7	OXFORD	146.82	50.67
8	OTERO	26.79	8.16
9	CATLIN	967.95	408.00
10	FORT LYON US	738.21	236.74
11	ROCKY FORD	26.71	11.99
12	HOLBROOK	402.61	129.95
13	LAS ANIMAS CONSOLIDATED	24.10	9.54
14	BALDWIN-STUBBS	14.87	7.44
15	FORT BENT	203.07	96.82
16	KEESE	16.52	4.96
17	AMITY	1446.45	746.66
18	LAMAR/MANVEL	1208.18	414.03
19	HYDE	750.03	229.61
20	FORT LYON DS	414.40	126.91
21	XY GRAHAM	171.24	69.56
22	BUFFALO	67.76	20.33
23	SISSON	0.26	0.18
24	STATELINE SOLE SOURCE	851.31	633.74
600	LAWMA A.P.D.	202.97	64.95
601	LAWMA A.P.D.	36.05	10.81
602	LAWMA A.P.D.	38.75	29.06
	<b>Totals</b>	<b>9641.67</b>	<b>4181.74</b>

**TABLE 2**  
**Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**October, 2001**

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
97	5	653	412	230	103	70	8	0	634	2212

**TABLE 3**  
**Remaining Depletions To Usable Stateline Flow (Acre-Feet)**  
**October, 2001**

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	31.73	196.93	288.61	270.12	245.66	197.92	355.18	1174.02	29.78	2789.95
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	290.89	961.52	24.39	1276.80
Replacements										
FRY-ARK Return Flows										
LAWMA-CO Beef Credit										
LAWMA-Ft Bent Ditch Shrs				141.80						141.80
LAWMA-Stubbs Direct Flow								136.00		136.00
LAWMA-XY Direct Flow					903.34					903.34
LAWMA-Manvel Direct Flow					100.00					100.00
Offset Account Release Credit										
Offset Account Water										
Total Replacements										
	0.00	0.00	0.00	141.80	1003.34	0.00	0.00	136.00	0.00	1281.14



**Enclosure 1**

**John Martin Offset Accounting for October 2001**



OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						718.25							173.87
1	0.00	0.00	0.00	0.00	1.21	717.04	1	0.00	0.00	0.00	0.00	0.29	173.58
2	0.00	0.00	0.00	0.00	0.91	716.13	2	0.00	0.00	0.00	0.00	0.22	173.36
3	0.00	0.00	0.00	0.00	0.54	715.59	3	0.00	0.00	0.00	0.00	0.13	173.23
4	0.00	0.00	0.00	0.00	0.92	714.67	4	0.00	0.00	0.00	0.00	0.22	173.01
5	0.00	0.00	0.00	0.00	0.53	714.14	5	0.00	0.00	0.00	0.00	0.13	172.88
6	0.00	0.00	0.00	0.00	0.54	713.60	6	0.00	0.00	0.00	0.00	0.13	172.75
7	0.00	0.00	0.00	0.00	0.54	713.06	7	0.00	0.00	0.00	0.00	0.13	172.62
8	0.00	0.00	0.00	0.00	0.57	712.49	8	0.00	0.00	0.00	0.00	0.14	172.48
9	0.00	0.00	0.00	0.00	0.94	711.55	9	0.00	0.00	0.00	0.00	0.23	172.25
10	0.00	0.00	0.00	0.00	0.51	711.04	10	0.00	0.00	0.00	0.00	0.12	172.13
11	0.00	0.00	0.00	0.00	0.81	710.23	11	0.00	0.00	0.00	0.00	0.20	171.93
12	0.00	0.00	0.00	0.00	0.45	709.78	12	0.00	0.00	0.00	0.00	0.11	171.82
13	0.00	0.00	0.00	0.00	0.45	709.33	13	0.00	0.00	0.00	0.00	0.11	171.71
14	0.00	0.00	0.00	0.00	0.45	708.88	14	0.00	0.00	0.00	0.00	0.11	171.60
15	0.00	0.00	0.00	0.00	0.21	708.67	15	0.00	0.00	0.00	0.00	0.05	171.55
16	0.00	0.00	0.00	0.00	0.41	708.26	16	0.00	0.00	0.00	0.00	0.10	171.45
17	0.00	0.00	0.00	0.00	0.51	707.75	17	0.00	0.00	0.00	0.00	0.12	171.33
18	0.00	0.00	0.00	0.00	0.68	707.07	18	0.00	0.00	0.00	0.00	0.16	171.17
19	0.00	0.00	0.00	0.00	0.30	706.77	19	0.00	0.00	0.00	0.00	0.07	171.10
20	0.00	0.00	0.00	0.00	0.30	706.47	20	0.00	0.00	0.00	0.00	0.07	171.03
21	0.00	0.00	0.00	0.00	0.30	706.17	21	0.00	0.00	0.00	0.00	0.07	170.96
22	0.00	0.00	0.00	0.00	0.42	705.75	22	0.00	0.00	0.00	0.00	0.10	170.86
23	0.00	0.00	0.00	0.00	0.78	704.97	23	0.00	0.00	0.00	0.00	0.19	170.67
24	0.00	0.00	0.00	0.00	0.59	704.38	24	0.00	0.00	0.00	0.00	0.14	170.53
25	0.00	0.00	0.00	0.00	0.30	704.08	25	0.00	0.00	0.00	0.00	0.07	170.46
26	0.00	0.00	0.00	0.00	0.49	703.59	26	0.00	0.00	0.00	0.00	0.12	170.34
27	0.00	0.00	0.00	0.00	0.49	703.10	27	0.00	0.00	0.00	0.00	0.12	170.22
28	0.00	0.00	0.00	0.00	0.49	702.61	28	0.00	0.00	0.00	0.00	0.12	170.10
29	0.00	0.00	0.00	0.00	0.45	702.16	29	0.00	0.00	0.00	0.00	0.11	169.99
30	0.00	0.00	0.00	0.00	0.41	701.75	30	0.00	0.00	0.00	0.00	0.10	169.89
31	0.00	0.00	86.32	0.00	0.78	614.65	31	0.00	0.00	13.69	0.00	0.19	156.01
	0.00	0.00	86.32	0.00	17.28			0.00	0.00	13.69	0.00	4.17	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						544.38							0.00
1	0.00	0.00	0.00	0.00	0.92	543.46	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.69	542.77	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.41	542.36	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.70	541.66	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.40	541.26	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.41	540.85	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.41	540.44	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.43	540.01	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.71	539.30	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.39	538.91	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.61	538.30	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.34	537.96	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.34	537.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.34	537.28	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.16	537.12	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.31	536.81	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.39	536.42	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.52	535.90	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.23	535.67	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.23	535.44	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.23	535.21	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.32	534.89	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.59	534.30	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.45	533.85	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.23	533.62	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.37	533.25	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.37	532.88	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.37	532.51	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.34	532.17	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.31	531.86	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	72.63	0.00	0.59	458.64	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	72.63	0.00	13.11			0.00	0.00	0.00	0.00	0.00	

