

Report of the Colorado State Engineer

Concerning Accounting of the Operations

of an Offset Account in John Martin Reservoir

for Colorado Pumping

2003

Submitted to the

Operations Committee

Arkansas River Compact Administration

December 1, 2003

Report of the Colorado State Engineer

Offset Account Operations

November 1, 2002 to October 31, 2003

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, 2002 through October 31, 2003 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2002 the Offset Account contained 8318.37 acre-feet. From November 1, 2002 through October 31, 2003 there were deliveries to the Offset Account as summarized in the tables below. There were no releases from the Offset Account for delivery to Kansas during this period. On March 31, 2003, 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, 2002 through October 31, 2003, there were six 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.

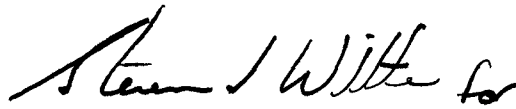
Source	Delivery End Date	Amount to Offset Account (ac-ft)	Net Consumable Water (ac-ft)	Net Return Flow Water (ac-ft)
LAWMA (Article II)	February 28, 2003	286.96	153.99	132.97
Fort Lyon (Article III)	March 31, 2003	1000.00	1000.00	0.00
LAWMA (Article II)	April 24, 2003	418.00	188.10	229.90
LAWMA (Article II)	June 4, 2003; June 13, 2003	773.95	467.54	306.41
LAWMA (Highland Canal Shares)	October 31, 2003	2476.90	2476.90	0.00
LAWMA (Keeseee Ditch Shares)	October 31, 2003	3641.60	3473.20	168.40
TOTALS		8597.41	7759.73	837.68

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, 2003 the Offset Account contained 10881.71 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. Colorado also is willing to review the parameters used in the Livingston transit loss model and continue to discuss the use of the model for estimating transit losses for deliveries to the stateline in an effort to address some of the concerns expressed by Kansas about deliveries during low streamflow conditions.



Hal D. Simpson
Colorado State Engineer

11/24/03
Date

INDEX

Report of the Colorado State Engineer – Offset Account Operations

Section 1

Offset Account Monthly Summary Tables

Section 2

Daily Accounting Records by Month for Offset Account and Subaccounts

Section 3

Correspondence on Deliveries to and Releases from the Offset Account

- February 28, 2003 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).
- March 31, 2003 letter to David Pope regarding Notice of Transfer of XY-Graham and Stubbs Article II water to the Offset Account on February 28, 2003.
- March 31, 2003 Letter to Mark Rude regarding Initial Notice of Offset Account Transfer for LAWMA for the 2003 storage charge and return flow water (also included are e-mail and fax communications with Mr. Rude and Mr. Pope).
- April 4, 2003 letter to David Pope regarding Notice of Transfer of Fort Lyon Article III water to the Offset Account on March 31, 2003.
- April 16, 2003 Letter to Mark Rude regarding Initial Notice of Delivery to the Offset Account by LAWMA for consumptive use and winter return flow water associated with the Keesee water right (also included are e-mail and fax communications with Mr. Rude and Mr. Pope).
- April 23, 2003 letter to David Pope regarding the delivery procedure and implementation of deliveries of the Keesee consumptive use and winter return flow water to the Offset Account.
- April 24, 2003 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).
- May 5, 2003 letter to David Pope regarding Notice of Transfer of Lamar Article II water to the Offset Account on April 24, 2003.
- June 4, 2003 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).
- June 16, 2003 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).
- June 18, 2003 letter to David Pope regarding Notice of Transfer of XY-Graham, Keesee and Stubbs Article II water to the Offset Account on June 4, 2003 and June 16, 2003.
- August 20, 2003 Letter from David Pope regarding Kansas CY 2003 Delivery Options.
- October 17, 2003 letter to David Pope from Hal Simpson replying to Mr. Pope's August 20, 2003 letter on Kansas CY 2003 Delivery Options.
- November 13, 2003 letter to David Pope regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for April – October 2003.
- November 13, 2003 letter to David Pope regarding accounting summary for delivery of LAWMA's Keesee Ditch consumptive use water to the Offset Account for April – October 2003.

Section 4

Monthly Reports of Colorado Pumping and Offset Account Operations

- February 10, 2003 letter to David Pope and Jan Anderson - November 2002 Report
- March 31, 2003 letter to David Pope and Jan Anderson - December 2002 Report
- March 31, 2003 letter to David Pope and Jan Anderson - January 2003 Report
- April 21, 2003 letter to David Pope and Jan Anderson - February 2003 Report
- May 30, 2003 letter to David Pope and Jan Anderson for – March 2003 Report
- June 18, 2003 letter to David Pope and Jan Anderson for – April 2003 Report
- July 18, 2003 letter to David Pope and Jan Anderson for – May 2003 Report
- August 25, 2003 letter to David Pope and Jan Anderson for – June 2003 Report
- September 16, 2003 letter to David Pope and Jan Anderson for – July 2003 Report
- October 16, 2003 letter to David Pope and Jan Anderson for – August 2003 Report
- November 11, 2003 letter to David Pope and Jan Anderson for – September 2003 Report
- November 21, 2003 letter to David Pope and Jan Anderson for – October 2003 Report

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.

3. Keesee Winter Return Flow Water (Table B.3)

Contains a monthly summary of return flow water associated with LAWMA's Keesee Ditch water rights which must be released during the winter period to maintain historic return flows.

JOHN MARTIN RESERVOIR

**TABLE 1
OFFSET ACCOUNT**

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	8318.37	0.00	1230.60	145.89	1263.03	0.00	8140.05
DECEMBER	8140.05	0.00	63.90	102.32	63.90	0.00	8037.73
JANUARY	8037.73	0.00	0.00	61.33	0.00	0.00	7976.40
FEBRUARY	7976.40	0.00	824.91	141.30	537.95	0.00	8122.06
MARCH	8122.06	0.00	1648.38	251.76	648.38	0.00	8870.30
APRIL	8870.30	1481.28	628.39	396.19	210.39	0.00	10373.39
MAY	10373.39	897.70	264.17	564.83	264.17	39.58	10666.68
JUNE	10666.68	1275.97	2896.32	772.38	2122.37	0.00	11944.22
JULY	11944.22	763.41	910.64	1251.68	910.64	40.84	11415.11
AUGUST	11415.11	709.38	88.52	1058.39	88.52	0.00	11066.10
SEPTEMBER	11066.10	642.57	26.59	706.89	26.59	0.00	11001.78
OCTOBER	11001.78	464.79	121.85	566.72	121.85	18.14	10881.71
TOTALS		6235.10	8704.27	6019.68	6257.79	98.56	

OFFSET ACCOUNT

**TABLE A
CONSUMABLE WATER**

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	5828.68	0.00	1230.60	102.08	1263.03	0.00	5694.17
DECEMBER	5694.17	0.00	63.90	72.28	0.00	0.00	5685.79
JANUARY	5685.79	0.00	0.00	43.40	0.00	0.00	5642.39
FEBRUARY	5642.39	0.00	706.29	99.95	400.56	0.00	5848.17
MARCH	5848.17	0.00	1648.38	181.29	595.22	0.00	6720.04
APRIL	6720.04	1481.28	386.49	304.47	12.00	0.00	8271.34
MAY	8271.34	897.70	243.74	454.94	20.43	39.58	8897.83
JUNE	8897.83	1275.97	2563.36	640.50	1780.52	0.00	10316.14
JULY	10316.14	763.41	885.54	1085.55	486.69	40.84	10352.01
AUGUST	10352.01	709.38	61.10	961.48	27.42	0.00	10133.59
SEPTEMBER	10133.59	642.57	0.00	647.96	26.59	0.00	10101.61
OCTOBER	10101.61	464.79	91.60	522.50	30.25	18.14	10087.11
TOTALS		6235.10	7881.00	5116.40	4642.71	98.56	

**TABLE B
RETURN FLOW WATER**

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	2489.69	0.00	0.00	43.81	0.00	0.00	2445.88
DECEMBER	2445.88	0.00	0.00	30.04	63.90	0.00	2351.94
JANUARY	2351.94	0.00	0.00	17.93	0.00	0.00	2334.01
FEBRUARY	2334.01	0.00	118.62	41.35	137.39	0.00	2273.89
MARCH	2273.89	0.00	0.00	70.47	53.16	0.00	2150.26
APRIL	2150.26	0.00	241.90	91.72	198.39	0.00	2102.05
MAY	2102.05	0.00	20.43	109.89	243.74	0.00	1768.85
JUNE	1768.85	0.00	332.96	131.88	341.85	0.00	1628.08
JULY	1628.08	0.00	25.10	166.13	423.95	0.00	1063.10
AUGUST	1063.10	0.00	27.42	96.91	61.10	0.00	932.51
SEPTEMBER	932.51	0.00	26.59	58.93	0.00	0.00	900.17
OCTOBER	900.17	0.00	30.25	44.22	91.60	0.00	794.60
TOTALS		0.00	823.27	903.28	1615.08	0.00	

OFFSET ACCOUNT

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

WATER YEAR 2003	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
TOTALS		0.00	0.00	0.00	0.00	0.00	

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

WATER YEAR 2003	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	1677.01	0.00	0.00	27.47	1261.41	0.00	388.13
DECEMBER	388.13	0.00	0.00	4.88	0.00	0.00	383.25
JANUARY	383.25	0.00	0.00	2.95	0.00	0.00	380.30
FEBRUARY	380.30	0.00	153.99	6.73	400.56	0.00	127.00
MARCH	127.00	0.00	500.00	3.96	595.22	0.00	27.82
APRIL	27.82	1481.28	188.10	24.01	12.00	0.00	1661.19
MAY	1661.19	897.70	0.00	110.63	20.43	39.58	2388.25
JUNE	2388.25	1275.97	467.54	223.95	1780.52	0.00	2127.29
JULY	2127.29	763.41	0.00	237.02	486.69	40.84	2126.15
AUGUST	2126.15	709.38	0.00	224.14	27.42	0.00	2583.97
SEPTEMBER	2583.97	642.57	0.00	179.18	26.59	0.00	3020.77
OCTOBER	3020.77	464.79	0.00	162.65	30.25	18.14	3274.52
TOTALS		6235.10	1309.63	1207.57	4641.09	98.56	

OFFSET ACCOUNT

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

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	ACCOUNT TRANSFER-IN Return Flow	EVAPORATION	ACCOUNT TRANSFER-OUT Return Flow	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF MONTH
MONTH	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	3995.05	0.00	1230.60	0.00	71.90	0.00	0.00	0.00	5153.75
DECEMBER	5153.75	0.00	63.90	0.00	65.45	0.00	0.00	0.00	5152.20
JANUARY	5152.20	0.00	0.00	0.00	39.26	0.00	0.00	0.00	5112.94
FEBRUARY	5112.94	0.00	400.56	137.39	90.59	0.00	0.00	0.00	5560.30
MARCH	5560.30	0.00	595.22	53.16	172.33	0.00	0.00	0.00	6036.35
APRIL	6036.35	0.00	0.00	198.39	253.07	0.00	0.00	0.00	5981.67
MAY	5981.67	0.00	0.00	243.74	311.57	0.00	0.00	0.00	5913.84
JUNE	5913.84	0.00	1780.52	315.30	378.44	0.00	0.00	0.00	7631.22
JULY	7631.22	0.00	486.69	398.85	792.09	0.00	0.00	0.00	7724.67
AUGUST	7724.67	0.00	0.00	61.10	692.39	0.00	0.00	0.00	7093.38
SEPTEMBER	7093.38	0.00	0.00	0.00	440.43	0.00	0.00	0.00	6652.95
OCTOBER*	6652.95	0.00	0.00	91.60	338.21	0.00	0.00	0.00	6406.34
TOTALS		0.00	4557.49	1499.53	3645.73	0.00	0.00	0.00	

* Note: Includes transfers for April (25.86 missed in July), June and July depletion credits

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

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH	PHYSICAL INFLOW	ACCOUNT TRANSFER-IN Consumptive	ACCOUNT TRANSFER-IN Return Flow	EVAPORATION	ACCOUNT TRANSFER-OUT Return Flow	ACCOUNT TRANSFER-OUT Consumptive	PHYSICAL RELEASE	CONTENTS END OF MONTH
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	156.62	0.00	0.00	0.00	2.71	0.00	1.62	0.00	152.29
DECEMBER	152.29	0.00	0.00	0.00	1.95	0.00	0.00	0.00	150.34
JANUARY	150.34	0.00	0.00	0.00	1.19	0.00	0.00	0.00	149.15
FEBRUARY	149.15	0.00	14.35	0.00	2.63	0.00	0.00	0.00	160.87
MARCH	160.87	0.00	500.00	0.00	5.00	0.00	0.00	0.00	655.87
APRIL	655.87	0.00	0.00	0.00	27.39	0.00	0.00	0.00	628.48
MAY	628.48	0.00	0.00	0.00	32.74	0.00	0.00	0.00	595.74
JUNE	595.74	0.00	0.00	0.00	38.11	0.00	0.00	0.00	557.63
JULY	557.63	0.00	0.00	0.00	56.44	0.00	0.00	0.00	501.19
AUGUST**	501.19	0.00	0.00	0.00	44.95	0.00	0.00	0.00	456.24
SEPTEMBER**	456.24	0.00	0.00	0.00	28.35	0.00	0.00	0.00	427.89
OCTOBER**	427.89	0.00	0.00	0.00	21.64	0.00	0.00	0.00	406.25
TOTALS		0.00	514.35	0.00	263.10	0.00	1.62	0.00	

** Note: Additional inflow or transfers in these months were to satisfy the 5% charge for storage above 10,000 acre-feet

OFFSET ACCOUNT

**TABLE B.1
RETURN FLOW**

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	1819.71	0.00	0.00	32.02	0.00	0.00	1787.69
DECEMBER	1787.69	0.00	0.00	21.87	53.94	0.00	1711.88
JANUARY	1711.88	0.00	0.00	13.06	0.00	0.00	1698.82
FEBRUARY	1698.82	0.00	86.62	30.10	116.25	0.00	1639.09
MARCH	1639.09	0.00	0.00	50.80	44.28	0.00	1544.01
APRIL	1544.01	0.00	188.10	65.95	164.53	0.00	1501.63
MAY	1501.63	0.00	0.00	78.20	202.35	0.00	1221.08
JUNE	1221.08	0.00	245.42	92.44	283.86	0.00	1090.20
JULY	1090.20	0.00	0.00	110.39	350.46	0.00	629.35
AUGUST	629.35	0.00	0.00	56.45	52.78	0.00	520.12
SEPTEMBER	520.12	0.00	0.00	32.30	0.00	0.00	487.82
OCTOBER	487.82	0.00	0.00	22.91	78.72	0.00	386.19
TOTALS		0.00	520.14	606.49	1347.17	0.00	

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

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	669.98	0.00	0.00	11.79	0.00	0.00	658.19
DECEMBER	658.19	0.00	0.00	8.17	9.96	0.00	640.06
JANUARY	640.06	0.00	0.00	4.87	0.00	0.00	635.19
FEBRUARY	635.19	0.00	32.00	11.25	21.14	0.00	634.80
MARCH	634.80	0.00	0.00	19.67	8.88	0.00	606.25
APRIL	606.25	0.00	41.80	25.66	33.86	0.00	588.53
MAY	588.53	0.00	0.00	30.62	41.39	0.00	516.52
JUNE	516.52	0.00	60.99	36.59	57.99	0.00	482.93
JULY	482.93	0.00	0.00	48.89	73.49	0.00	360.55
AUGUST	360.55	0.00	0.00	32.35	8.32	0.00	319.88
SEPTEMBER	319.88	0.00	0.00	19.85	0.00	0.00	300.03
OCTOBER	300.03	0.00	0.00	14.89	12.88	0.00	272.26
TOTALS		0.00	134.79	264.60	267.91	0.00	

OFFSET ACCOUNT

**TABLE B.3
KEESEE WINTER RETURN FLOW**

WATER YEAR 2003	CONTENTS BEGINNING OF MONTH A.F.	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	12.00	0.11	0.00	0.00	11.89
MAY	11.89	0.00	20.43	1.07	0.00	0.00	31.25
JUNE	31.25	0.00	26.55	2.85	0.00	0.00	54.95
JULY	54.95	0.00	25.10	6.85	0.00	0.00	73.20
AUGUST	73.20	0.00	27.42	8.11	0.00	0.00	92.51
SEPTEMBER	92.51	0.00	26.59	6.78	0.00	0.00	112.32
OCTOBER	112.32	0.00	30.25	6.42	0.00	0.00	136.15
TOTALS		0.00	168.34	32.19	0.00	0.00	

SECTION 2

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2489.69							669.98
1	0.00	0.00	0.00	0.00	1.52	2488.17	1	0.00	0.00	0.00	0.00	0.41	669.57
2	0.00	0.00	0.00	0.00	1.51	2486.66	2	0.00	0.00	0.00	0.00	0.41	669.16
3	0.00	0.00	0.00	0.00	1.50	2485.16	3	0.00	0.00	0.00	0.00	0.40	668.76
4	0.00	0.00	0.00	0.00	1.49	2483.67	4	0.00	0.00	0.00	0.00	0.40	668.36
5	0.00	0.00	0.00	0.00	1.49	2482.18	5	0.00	0.00	0.00	0.00	0.40	667.96
6	0.00	0.00	0.00	0.00	1.49	2480.69	6	0.00	0.00	0.00	0.00	0.40	667.56
7	0.00	0.00	0.00	0.00	1.48	2479.21	7	0.00	0.00	0.00	0.00	0.40	667.16
8	0.00	0.00	0.00	0.00	1.48	2477.73	8	0.00	0.00	0.00	0.00	0.40	666.76
9	0.00	0.00	0.00	0.00	1.48	2476.25	9	0.00	0.00	0.00	0.00	0.40	666.36
10	0.00	0.00	0.00	0.00	1.48	2474.77	10	0.00	0.00	0.00	0.00	0.40	665.96
11	0.00	0.00	0.00	0.00	1.47	2473.30	11	0.00	0.00	0.00	0.00	0.40	665.56
12	0.00	0.00	0.00	0.00	1.46	2471.84	12	0.00	0.00	0.00	0.00	0.39	665.17
13	0.00	0.00	0.00	0.00	1.46	2470.38	13	0.00	0.00	0.00	0.00	0.39	664.78
14	0.00	0.00	0.00	0.00	1.46	2468.92	14	0.00	0.00	0.00	0.00	0.39	664.39
15	0.00	0.00	0.00	0.00	1.46	2467.46	15	0.00	0.00	0.00	0.00	0.39	664.00
16	0.00	0.00	0.00	0.00	1.45	2466.01	16	0.00	0.00	0.00	0.00	0.39	663.61
17	0.00	0.00	0.00	0.00	1.45	2464.56	17	0.00	0.00	0.00	0.00	0.39	663.22
18	0.00	0.00	0.00	0.00	1.45	2463.11	18	0.00	0.00	0.00	0.00	0.39	662.83
19	0.00	0.00	0.00	0.00	1.44	2461.67	19	0.00	0.00	0.00	0.00	0.39	662.44
20	0.00	0.00	0.00	0.00	1.44	2460.23	20	0.00	0.00	0.00	0.00	0.39	662.05
21	0.00	0.00	0.00	0.00	1.42	2458.81	21	0.00	0.00	0.00	0.00	0.38	661.67
22	0.00	0.00	0.00	0.00	1.42	2457.39	22	0.00	0.00	0.00	0.00	0.38	661.29
23	0.00	0.00	0.00	0.00	1.41	2455.98	23	0.00	0.00	0.00	0.00	0.38	660.91
24	0.00	0.00	0.00	0.00	1.41	2454.57	24	0.00	0.00	0.00	0.00	0.38	660.53
25	0.00	0.00	0.00	0.00	1.40	2453.17	25	0.00	0.00	0.00	0.00	0.38	660.15
26	0.00	0.00	0.00	0.00	1.39	2451.78	26	0.00	0.00	0.00	0.00	0.37	659.78
27	0.00	0.00	0.00	0.00	1.49	2450.29	27	0.00	0.00	0.00	0.00	0.40	659.38
28	0.00	0.00	0.00	0.00	1.48	2448.81	28	0.00	0.00	0.00	0.00	0.40	658.98
29	0.00	0.00	0.00	0.00	1.47	2447.34	29	0.00	0.00	0.00	0.00	0.40	658.58
30	0.00	0.00	0.00	0.00	1.46	2445.88	30	0.00	0.00	0.00	0.00	0.39	658.19
	0.00	0.00	0.00	0.00	43.81			0.00	0.00	0.00	0.00	11.79	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1819.71							0.00
1	0.00	0.00	0.00	0.00	1.11	1818.60	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.10	1817.50	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.10	1816.40	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.09	1815.31	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.09	1814.22	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.09	1813.13	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.08	1812.05	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.08	1810.97	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.08	1809.89	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.08	1808.81	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.07	1807.74	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.07	1806.67	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.07	1805.60	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.07	1804.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.07	1803.46	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.06	1802.40	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.06	1801.34	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.06	1800.28	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.05	1799.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.05	1798.18	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.04	1797.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.04	1796.10	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.03	1795.07	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.03	1794.04	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.02	1793.02	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.02	1792.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.09	1790.91	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.08	1789.83	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.07	1788.76	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.07	1787.69	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	32.02			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
						2445.88							658.19
1	0.00	0.00	0.00	0.00	1.24	2444.64	1	0.00	0.00	0.00	0.00	0.33	657.86
2	0.00	0.00	63.90	0.00	1.23	2379.51	2	0.00	0.00	9.96	0.00	0.33	647.57
3	0.00	0.00	0.00	0.00	1.20	2378.31	3	0.00	0.00	0.00	0.00	0.33	647.24
4	0.00	0.00	0.00	0.00	1.18	2377.13	4	0.00	0.00	0.00	0.00	0.32	646.92
5	0.00	0.00	0.00	0.00	1.17	2375.96	5	0.00	0.00	0.00	0.00	0.32	646.60
6	0.00	0.00	0.00	0.00	1.17	2374.79	6	0.00	0.00	0.00	0.00	0.32	646.28
7	0.00	0.00	0.00	0.00	1.15	2373.64	7	0.00	0.00	0.00	0.00	0.31	645.97
8	0.00	0.00	0.00	0.00	1.14	2372.50	8	0.00	0.00	0.00	0.00	0.31	645.66
9	0.00	0.00	0.00	0.00	1.14	2371.36	9	0.00	0.00	0.00	0.00	0.31	645.35
10	0.00	0.00	0.00	0.00	1.13	2370.23	10	0.00	0.00	0.00	0.00	0.31	645.04
11	0.00	0.00	0.00	0.00	1.13	2369.10	11	0.00	0.00	0.00	0.00	0.31	644.73
12	0.00	0.00	0.00	0.00	1.11	2367.99	12	0.00	0.00	0.00	0.00	0.30	644.43
13	0.00	0.00	0.00	0.00	1.11	2366.88	13	0.00	0.00	0.00	0.00	0.30	644.13
14	0.00	0.00	0.00	0.00	1.10	2365.78	14	0.00	0.00	0.00	0.00	0.30	643.83
15	0.00	0.00	0.00	0.00	1.09	2364.69	15	0.00	0.00	0.00	0.00	0.30	643.53
16	0.00	0.00	0.00	0.00	1.08	2363.61	16	0.00	0.00	0.00	0.00	0.29	643.24
17	0.00	0.00	0.00	0.00	1.07	2362.54	17	0.00	0.00	0.00	0.00	0.29	642.95
18	0.00	0.00	0.00	0.00	1.07	2361.47	18	0.00	0.00	0.00	0.00	0.29	642.66
19	0.00	0.00	0.00	0.00	1.06	2360.41	19	0.00	0.00	0.00	0.00	0.29	642.37
20	0.00	0.00	0.00	0.00	1.06	2359.35	20	0.00	0.00	0.00	0.00	0.29	642.08
21	0.00	0.00	0.00	0.00	1.05	2358.30	21	0.00	0.00	0.00	0.00	0.29	641.79
22	0.00	0.00	0.00	0.00	1.04	2357.26	22	0.00	0.00	0.00	0.00	0.28	641.51
23	0.00	0.00	0.00	0.00	1.04	2356.22	23	0.00	0.00	0.00	0.00	0.28	641.23
24	0.00	0.00	0.00	0.00	0.95	2355.27	24	0.00	0.00	0.00	0.00	0.26	640.97
25	0.00	0.00	0.00	0.00	0.95	2354.32	25	0.00	0.00	0.00	0.00	0.26	640.71
26	0.00	0.00	0.00	0.00	1.11	2353.21	26	0.00	0.00	0.00	0.00	0.30	640.41
27	0.00	0.00	0.00	0.00	0.26	2352.95	27	0.00	0.00	0.00	0.00	0.07	640.34
28	0.00	0.00	0.00	0.00	0.26	2352.69	28	0.00	0.00	0.00	0.00	0.07	640.27
29	0.00	0.00	0.00	0.00	0.25	2352.44	29	0.00	0.00	0.00	0.00	0.07	640.20
30	0.00	0.00	0.00	0.00	0.25	2352.19	30	0.00	0.00	0.00	0.00	0.07	640.13
31	0.00	0.00	0.00	0.00	0.25	2351.94	31	0.00	0.00	0.00	0.00	0.07	640.06
	0.00	0.00	63.90	0.00	30.04			0.00	0.00	9.96	0.00	8.17	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1787.69							0.00
1	0.00	0.00	0.00	0.00	0.91	1786.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	53.94	0.00	0.90	1731.94	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.87	1731.07	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.86	1730.21	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.85	1729.36	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.85	1728.51	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.84	1727.67	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.83	1726.84	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.83	1726.01	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.82	1725.19	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.82	1724.37	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.81	1723.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.81	1722.75	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.80	1721.95	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.79	1721.16	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.79	1720.37	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.78	1719.59	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.78	1718.81	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.77	1718.04	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.77	1717.27	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.76	1716.51	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.76	1715.75	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.76	1714.99	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.69	1714.30	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.69	1713.61	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.81	1712.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.19	1712.61	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.19	1712.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.18	1712.24	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.18	1712.06	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.18	1711.88	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	53.94	0.00	21.87			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
						2351.94							640.06
1	0.00	0.00	0.00	0.00	0.25	2351.69	1	0.00	0.00	0.00	0.00	0.07	639.99
2	0.00	0.00	0.00	0.00	0.25	2351.44	2	0.00	0.00	0.00	0.00	0.07	639.92
3	0.00	0.00	0.00	0.00	0.25	2351.19	3	0.00	0.00	0.00	0.00	0.07	639.85
4	0.00	0.00	0.00	0.00	0.24	2350.95	4	0.00	0.00	0.00	0.00	0.07	639.78
5	0.00	0.00	0.00	0.00	0.23	2350.72	5	0.00	0.00	0.00	0.00	0.06	639.72
6	0.00	0.00	0.00	0.00	0.23	2350.49	6	0.00	0.00	0.00	0.00	0.06	639.66
7	0.00	0.00	0.00	0.00	0.23	2350.26	7	0.00	0.00	0.00	0.00	0.06	639.60
8	0.00	0.00	0.00	0.00	0.39	2349.87	8	0.00	0.00	0.00	0.00	0.11	639.49
9	0.00	0.00	0.00	0.00	0.39	2349.48	9	0.00	0.00	0.00	0.00	0.11	639.38
10	0.00	0.00	0.00	0.00	0.38	2349.10	10	0.00	0.00	0.00	0.00	0.10	639.28
11	0.00	0.00	0.00	0.00	0.38	2348.72	11	0.00	0.00	0.00	0.00	0.10	639.18
12	0.00	0.00	0.00	0.00	0.38	2348.34	12	0.00	0.00	0.00	0.00	0.10	639.08
13	0.00	0.00	0.00	0.00	0.45	2347.89	13	0.00	0.00	0.00	0.00	0.12	638.96
14	0.00	0.00	0.00	0.00	0.60	2347.29	14	0.00	0.00	0.00	0.00	0.16	638.80
15	0.00	0.00	0.00	0.00	0.74	2346.55	15	0.00	0.00	0.00	0.00	0.20	638.60
16	0.00	0.00	0.00	0.00	0.74	2345.81	16	0.00	0.00	0.00	0.00	0.20	638.40
17	0.00	0.00	0.00	0.00	0.74	2345.07	17	0.00	0.00	0.00	0.00	0.20	638.20
18	0.00	0.00	0.00	0.00	0.73	2344.34	18	0.00	0.00	0.00	0.00	0.20	638.00
19	0.00	0.00	0.00	0.00	0.73	2343.61	19	0.00	0.00	0.00	0.00	0.20	637.80
20	0.00	0.00	0.00	0.00	0.73	2342.88	20	0.00	0.00	0.00	0.00	0.20	637.60
21	0.00	0.00	0.00	0.00	0.87	2342.01	21	0.00	0.00	0.00	0.00	0.24	637.36
22	0.00	0.00	0.00	0.00	0.72	2341.29	22	0.00	0.00	0.00	0.00	0.20	637.16
23	0.00	0.00	0.00	0.00	0.71	2340.58	23	0.00	0.00	0.00	0.00	0.19	636.97
24	0.00	0.00	0.00	0.00	0.71	2339.87	24	0.00	0.00	0.00	0.00	0.19	636.78
25	0.00	0.00	0.00	0.00	0.71	2339.16	25	0.00	0.00	0.00	0.00	0.19	636.59
26	0.00	0.00	0.00	0.00	0.78	2338.38	26	0.00	0.00	0.00	0.00	0.21	636.38
27	0.00	0.00	0.00	0.00	0.84	2337.54	27	0.00	0.00	0.00	0.00	0.23	636.15
28	0.00	0.00	0.00	0.00	0.84	2336.70	28	0.00	0.00	0.00	0.00	0.23	635.92
29	0.00	0.00	0.00	0.00	0.84	2335.86	29	0.00	0.00	0.00	0.00	0.23	635.69
30	0.00	0.00	0.00	0.00	0.89	2334.97	30	0.00	0.00	0.00	0.00	0.24	635.45
31	0.00	0.00	0.00	0.00	0.96	2334.01	31	0.00	0.00	0.00	0.00	0.26	635.19
	0.00	0.00	0.00	0.00	17.93			0.00	0.00	0.00	0.00	4.87	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1711.88							0.00
1	0.00	0.00	0.00	0.00	0.18	1711.70	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	1711.52	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.18	1711.34	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.17	1711.17	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.17	1711.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.17	1710.83	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.17	1710.66	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.28	1710.38	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.28	1710.10	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.28	1709.82	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.28	1709.54	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.28	1709.26	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.33	1708.93	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.44	1708.49	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.54	1707.95	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.54	1707.41	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.54	1706.87	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.53	1706.34	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.53	1705.81	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.53	1705.28	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.63	1704.65	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.52	1704.13	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.52	1703.61	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.52	1703.09	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.52	1702.57	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.57	1702.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.61	1701.39	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.61	1700.78	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.61	1700.17	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	1699.52	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.70	1698.82	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	13.06			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
						2334.01							635.19
1	0.00	0.00	0.00	0.00	1.50	2332.51	1	0.00	0.00	0.00	0.00	0.41	634.78
2	0.00	0.00	0.00	0.00	1.48	2331.03	2	0.00	0.00	0.00	0.00	0.40	634.38
3	0.00	0.00	0.00	0.00	1.47	2329.56	3	0.00	0.00	0.00	0.00	0.40	633.98
4	0.00	0.00	0.00	0.00	1.47	2328.09	4	0.00	0.00	0.00	0.00	0.40	633.58
5	0.00	0.00	0.00	0.00	1.53	2326.56	5	0.00	0.00	0.00	0.00	0.42	633.16
6	0.00	0.00	0.00	0.00	1.52	2325.04	6	0.00	0.00	0.00	0.00	0.41	632.75
7	0.00	0.00	0.00	0.00	1.51	2323.53	7	0.00	0.00	0.00	0.00	0.41	632.34
8	0.00	0.00	0.00	0.00	1.51	2322.02	8	0.00	0.00	0.00	0.00	0.41	631.93
9	0.00	0.00	0.00	0.00	1.50	2320.52	9	0.00	0.00	0.00	0.00	0.41	631.52
10	0.00	0.00	0.00	0.00	1.50	2319.02	10	0.00	0.00	0.00	0.00	0.41	631.11
11	0.00	0.00	0.00	0.00	1.50	2317.52	11	0.00	0.00	0.00	0.00	0.41	630.70
12	0.00	0.00	0.00	0.00	1.48	2316.04	12	0.00	0.00	0.00	0.00	0.40	630.30
13	0.00	0.00	0.00	0.00	1.47	2314.57	13	0.00	0.00	0.00	0.00	0.40	629.90
14	0.00	0.00	0.00	0.00	1.47	2313.10	14	0.00	0.00	0.00	0.00	0.40	629.50
15	0.00	0.00	0.00	0.00	1.46	2311.64	15	0.00	0.00	0.00	0.00	0.40	629.10
16	0.00	0.00	0.00	0.00	1.44	2310.20	16	0.00	0.00	0.00	0.00	0.39	628.71
17	0.00	0.00	0.00	0.00	1.50	2308.70	17	0.00	0.00	0.00	0.00	0.41	628.30
18	0.00	0.00	0.00	0.00	1.50	2307.20	18	0.00	0.00	0.00	0.00	0.41	627.89
19	0.00	0.00	0.00	0.00	1.48	2305.72	19	0.00	0.00	0.00	0.00	0.40	627.49
20	0.00	0.00	0.00	0.00	1.47	2304.25	20	0.00	0.00	0.00	0.00	0.40	627.09
21	0.00	0.00	0.00	0.00	1.47	2302.78	21	0.00	0.00	0.00	0.00	0.40	626.69
22	0.00	0.00	0.00	0.00	1.46	2301.32	22	0.00	0.00	0.00	0.00	0.40	626.29
23	0.00	0.00	0.00	0.00	1.46	2299.86	23	0.00	0.00	0.00	0.00	0.40	625.89
24	0.00	0.00	0.00	0.00	1.45	2298.41	24	0.00	0.00	0.00	0.00	0.39	625.50
25	0.00	0.00	0.00	0.00	1.44	2296.97	25	0.00	0.00	0.00	0.00	0.39	625.11
26	0.00	0.00	0.00	0.00	1.44	2295.53	26	0.00	0.00	0.00	0.00	0.39	624.72
27	0.00	0.00	0.00	0.00	1.44	2294.09	27	0.00	0.00	0.00	0.00	0.39	624.33
28	0.00	118.62	137.39	0.00	1.43	2273.89	28	0.00	32.00	21.14	0.00	0.39	634.80
	0.00	118.62	137.39	0.00	41.35			0.00	32.00	21.14	0.00	11.25	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1698.82							0.00
1	0.00	0.00	0.00	0.00	1.09	1697.73	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.08	1696.65	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.07	1695.58	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.07	1694.51	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.11	1693.40	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.11	1692.29	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.10	1691.19	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.10	1690.09	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.09	1689.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.09	1687.91	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.09	1686.82	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.08	1685.74	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.07	1684.67	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.07	1683.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.06	1682.54	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.05	1681.49	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.09	1680.40	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.09	1679.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.08	1678.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.07	1677.16	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.07	1676.09	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.06	1675.03	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.06	1673.97	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.06	1672.91	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.05	1671.86	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.05	1670.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.05	1669.76	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	86.62	116.25	0.00	1.04	1639.09	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	86.62	116.25	0.00	30.10			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
						2273.89							634.80
1	0.00	0.00	0.00	0.00	2.34	2271.55	1	0.00	0.00	0.00	0.00	0.65	634.15
2	0.00	0.00	0.00	0.00	2.33	2269.22	2	0.00	0.00	0.00	0.00	0.65	633.50
3	0.00	0.00	0.00	0.00	2.32	2266.90	3	0.00	0.00	0.00	0.00	0.65	632.85
4	0.00	0.00	0.00	0.00	2.30	2264.60	4	0.00	0.00	0.00	0.00	0.64	632.21
5	0.00	0.00	0.00	0.00	2.29	2262.31	5	0.00	0.00	0.00	0.00	0.64	631.57
6	0.00	0.00	0.00	0.00	2.28	2260.03	6	0.00	0.00	0.00	0.00	0.64	630.93
7	0.00	0.00	0.00	0.00	2.27	2257.76	7	0.00	0.00	0.00	0.00	0.63	630.30
8	0.00	0.00	0.00	0.00	2.26	2255.50	8	0.00	0.00	0.00	0.00	0.63	629.67
9	0.00	0.00	0.00	0.00	2.26	2253.24	9	0.00	0.00	0.00	0.00	0.63	629.04
10	0.00	0.00	0.00	0.00	2.30	2250.94	10	0.00	0.00	0.00	0.00	0.64	628.40
11	0.00	0.00	0.00	0.00	2.29	2248.65	11	0.00	0.00	0.00	0.00	0.64	627.76
12	0.00	0.00	0.00	0.00	2.28	2246.37	12	0.00	0.00	0.00	0.00	0.64	627.12
13	0.00	0.00	0.00	0.00	2.26	2244.11	13	0.00	0.00	0.00	0.00	0.63	626.49
14	0.00	0.00	0.00	0.00	2.25	2241.86	14	0.00	0.00	0.00	0.00	0.63	625.86
15	0.00	0.00	0.00	0.00	2.25	2239.61	15	0.00	0.00	0.00	0.00	0.63	625.23
16	0.00	0.00	0.00	0.00	2.23	2237.38	16	0.00	0.00	0.00	0.00	0.62	624.61
17	0.00	0.00	0.00	0.00	2.22	2235.16	17	0.00	0.00	0.00	0.00	0.62	623.99
18	0.00	0.00	0.00	0.00	2.27	2232.89	18	0.00	0.00	0.00	0.00	0.63	623.36
19	0.00	0.00	0.00	0.00	2.26	2230.63	19	0.00	0.00	0.00	0.00	0.63	622.73
20	0.00	0.00	0.00	0.00	2.25	2228.38	20	0.00	0.00	0.00	0.00	0.63	622.10
21	0.00	0.00	0.00	0.00	2.23	2226.15	21	0.00	0.00	0.00	0.00	0.62	621.48
22	0.00	0.00	0.00	0.00	2.23	2223.92	22	0.00	0.00	0.00	0.00	0.62	620.86
23	0.00	0.00	0.00	0.00	2.22	2221.70	23	0.00	0.00	0.00	0.00	0.62	620.24
24	0.00	0.00	0.00	0.00	2.22	2219.48	24	0.00	0.00	0.00	0.00	0.62	619.62
25	0.00	0.00	0.00	0.00	1.79	2217.69	25	0.00	0.00	0.00	0.00	0.50	619.12
26	0.00	0.00	0.00	0.00	3.25	2214.44	26	0.00	0.00	0.00	0.00	0.91	618.21
27	0.00	0.00	0.00	0.00	2.40	2212.04	27	0.00	0.00	0.00	0.00	0.67	617.54
28	0.00	0.00	0.00	0.00	1.97	2210.07	28	0.00	0.00	0.00	0.00	0.55	616.99
29	0.00	0.00	0.00	0.00	2.07	2208.00	29	0.00	0.00	0.00	0.00	0.58	616.41
30	0.00	0.00	0.00	0.00	2.10	2205.90	30	0.00	0.00	0.00	0.00	0.59	615.82
31	0.00	0.00	53.16	0.00	2.48	2150.26	31	0.00	0.00	8.88	0.00	0.69	606.25
	0.00	0.00	53.16	0.00	70.47			0.00	0.00	8.88	0.00	19.67	

OffsetAccount-ReturnFlow
Return Flow

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1639.09
1	0.00	0.00	0.00	0.00	1.69	1637.40
2	0.00	0.00	0.00	0.00	1.68	1635.72
3	0.00	0.00	0.00	0.00	1.67	1634.05
4	0.00	0.00	0.00	0.00	1.66	1632.39
5	0.00	0.00	0.00	0.00	1.65	1630.74
6	0.00	0.00	0.00	0.00	1.64	1629.10
7	0.00	0.00	0.00	0.00	1.64	1627.46
8	0.00	0.00	0.00	0.00	1.63	1625.83
9	0.00	0.00	0.00	0.00	1.63	1624.20
10	0.00	0.00	0.00	0.00	1.66	1622.54
11	0.00	0.00	0.00	0.00	1.65	1620.89
12	0.00	0.00	0.00	0.00	1.64	1619.25
13	0.00	0.00	0.00	0.00	1.63	1617.62
14	0.00	0.00	0.00	0.00	1.62	1616.00
15	0.00	0.00	0.00	0.00	1.62	1614.38
16	0.00	0.00	0.00	0.00	1.61	1612.77
17	0.00	0.00	0.00	0.00	1.60	1611.17
18	0.00	0.00	0.00	0.00	1.64	1609.53
19	0.00	0.00	0.00	0.00	1.63	1607.90
20	0.00	0.00	0.00	0.00	1.62	1606.28
21	0.00	0.00	0.00	0.00	1.61	1604.67
22	0.00	0.00	0.00	0.00	1.61	1603.06
23	0.00	0.00	0.00	0.00	1.60	1601.46
24	0.00	0.00	0.00	0.00	1.60	1599.86
25	0.00	0.00	0.00	0.00	1.29	1598.57
26	0.00	0.00	0.00	0.00	2.34	1596.23
27	0.00	0.00	0.00	0.00	1.73	1594.50
28	0.00	0.00	0.00	0.00	1.42	1593.08
29	0.00	0.00	0.00	0.00	1.49	1591.59
30	0.00	0.00	0.00	0.00	1.51	1590.08
31	0.00	0.00	44.28	0.00	1.79	1544.01
	0.00	0.00	44.28	0.00	50.80	

OffsetAccount-ReturnFlow
Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						0.00
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	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
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
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
29	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
31	0.00	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
						2150.26							606.25
1	0.00	0.00	0.00	0.00	3.40	2146.86	1	0.00	0.00	0.00	0.00	0.96	605.29
2	0.00	0.00	0.00	0.00	5.50	2141.36	2	0.00	0.00	0.00	0.00	1.55	603.74
3	0.00	0.00	0.00	0.00	4.50	2136.86	3	0.00	0.00	0.00	0.00	1.27	602.47
4	0.00	0.00	0.00	0.00	1.90	2134.96	4	0.00	0.00	0.00	0.00	0.54	601.93
5	0.00	0.00	0.00	0.00	1.89	2133.07	5	0.00	0.00	0.00	0.00	0.53	601.40
6	0.00	0.00	0.00	0.00	1.89	2131.18	6	0.00	0.00	0.00	0.00	0.53	600.87
7	0.00	0.00	0.00	0.00	1.16	2130.02	7	0.00	0.00	0.00	0.00	0.33	600.54
8	0.00	0.00	0.00	0.00	2.63	2127.39	8	0.00	0.00	0.00	0.00	0.74	599.80
9	0.00	0.00	0.00	0.00	2.62	2124.77	9	0.00	0.00	0.00	0.00	0.74	599.06
10	0.00	0.00	0.00	0.00	3.61	2121.16	10	0.00	0.00	0.00	0.00	1.02	598.04
11	0.00	0.00	0.00	0.00	3.87	2117.29	11	0.00	0.00	0.00	0.00	1.09	596.95
12	0.00	0.00	0.00	0.00	3.96	2113.33	12	0.00	0.00	0.00	0.00	1.12	595.83
13	0.00	0.00	0.00	0.00	3.95	2109.38	13	0.00	0.00	0.00	0.00	1.11	594.72
14	0.00	0.00	0.00	0.00	3.85	2105.53	14	0.00	0.00	0.00	0.00	1.09	593.63
15	0.00	0.00	0.00	0.00	2.02	2103.51	15	0.00	0.00	0.00	0.00	0.57	593.06
16	0.00	0.80	0.00	0.00	3.36	2100.95	16	0.00	0.00	0.00	0.00	0.95	592.11
17	0.00	0.80	0.00	0.00	4.39	2097.36	17	0.00	0.00	0.00	0.00	1.24	590.87
18	0.00	0.80	0.00	0.00	1.96	2096.20	18	0.00	0.00	0.00	0.00	0.55	590.32
19	0.00	0.80	0.00	0.00	1.87	2095.13	19	0.00	0.00	0.00	0.00	0.53	589.79
20	0.00	0.80	0.00	0.00	1.84	2094.09	20	0.00	0.00	0.00	0.00	0.52	589.27
21	0.00	0.80	0.00	0.00	5.01	2089.88	21	0.00	0.00	0.00	0.00	1.41	587.86
22	0.00	0.80	0.00	0.00	2.84	2087.84	22	0.00	0.00	0.00	0.00	0.80	587.06
23	0.00	0.80	0.00	0.00	3.25	2085.39	23	0.00	0.00	0.00	0.00	0.91	586.15
24	0.00	230.70	0.00	0.00	2.28	2313.81	24	0.00	41.80	0.00	0.00	0.64	627.31
25	0.00	0.80	0.00	0.00	2.99	2311.62	25	0.00	0.00	0.00	0.00	0.81	626.50
26	0.00	0.80	0.00	0.00	3.11	2309.31	26	0.00	0.00	0.00	0.00	0.84	625.66
27	0.00	0.80	0.00	0.00	3.01	2307.10	27	0.00	0.00	0.00	0.00	0.82	624.84
28	0.00	0.80	0.00	0.00	1.00	2306.90	28	0.00	0.00	0.00	0.00	0.27	624.57
29	0.00	0.80	0.00	0.00	4.75	2302.95	29	0.00	0.00	0.00	0.00	1.29	623.28
30	0.00	0.80	198.39	0.00	3.31	2102.05	30	0.00	0.00	33.86	0.00	0.89	588.53
	0.00	241.90	198.39	0.00	91.72			0.00	41.80	33.86	0.00	25.66	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1544.01							0.00
1	0.00	0.00	0.00	0.00	2.44	1541.57	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	3.95	1537.62	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.23	1534.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.36	1533.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.36	1531.67	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.36	1530.31	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.83	1529.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.89	1527.59	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.88	1525.71	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.59	1523.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.78	1520.34	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.84	1517.50	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.84	1514.66	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.76	1511.90	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.45	1510.45	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.41	1508.04	16	0.00	0.80	0.00	0.00	0.00	0.80
17	0.00	0.00	0.00	0.00	3.15	1504.89	17	0.00	0.80	0.00	0.00	0.00	1.60
18	0.00	0.00	0.00	0.00	1.41	1503.48	18	0.00	0.80	0.00	0.00	0.00	2.40
19	0.00	0.00	0.00	0.00	1.34	1502.14	19	0.00	0.80	0.00	0.00	0.00	3.20
20	0.00	0.00	0.00	0.00	1.32	1500.82	20	0.00	0.80	0.00	0.00	0.00	4.00
21	0.00	0.00	0.00	0.00	3.59	1497.23	21	0.00	0.80	0.00	0.00	0.01	4.79
22	0.00	0.00	0.00	0.00	2.03	1495.20	22	0.00	0.80	0.00	0.00	0.01	5.58
23	0.00	0.00	0.00	0.00	2.33	1492.87	23	0.00	0.80	0.00	0.00	0.01	6.37
24	0.00	188.10	0.00	0.00	1.63	1679.34	24	0.00	0.80	0.00	0.00	0.01	7.16
25	0.00	0.00	0.00	0.00	2.17	1677.17	25	0.00	0.80	0.00	0.00	0.01	7.95
26	0.00	0.00	0.00	0.00	2.26	1674.91	26	0.00	0.80	0.00	0.00	0.01	8.74
27	0.00	0.00	0.00	0.00	2.18	1672.73	27	0.00	0.80	0.00	0.00	0.01	9.53
28	0.00	0.00	0.00	0.00	0.73	1672.00	28	0.00	0.80	0.00	0.00	0.00	10.33
29	0.00	0.00	0.00	0.00	3.44	1668.56	29	0.00	0.80	0.00	0.00	0.02	11.11
30	0.00	0.00	164.53	0.00	2.40	1501.63	30	0.00	0.80	0.00	0.00	0.02	11.89
	0.00	188.10	164.53	0.00	65.95			0.00	12.00	0.00	0.00	0.11	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance'	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2102.05							588.53
1	0.00	0.77	0.00	0.00	3.98	2098.84	1	0.00	0.00	0.00	0.00	1.11	587.42
2	0.00	0.77	0.00	0.00	3.30	2096.31	2	0.00	0.00	0.00	0.00	0.92	586.50
3	0.00	0.77	0.00	0.00	3.32	2093.76	3	0.00	0.00	0.00	0.00	0.93	585.57
4	0.00	0.77	0.00	0.00	3.22	2091.31	4	0.00	0.00	0.00	0.00	0.90	584.67
5	0.00	0.77	0.00	0.00	3.12	2088.96	5	0.00	0.00	0.00	0.00	0.87	583.80
6	0.00	0.77	0.00	0.00	3.30	2086.43	6	0.00	0.00	0.00	0.00	0.92	582.88
7	0.00	0.51	0.00	0.00	3.08	2083.86	7	0.00	0.00	0.00	0.00	0.86	582.02
8	0.00	0.51	0.00	0.00	6.06	2078.31	8	0.00	0.00	0.00	0.00	1.69	580.33
9	0.00	0.51	0.00	0.00	3.34	2075.48	9	0.00	0.00	0.00	0.00	0.93	579.40
10	0.00	0.51	0.00	0.00	3.34	2072.65	10	0.00	0.00	0.00	0.00	0.93	578.47
11	0.00	0.51	0.00	0.00	3.44	2069.72	11	0.00	0.00	0.00	0.00	0.96	577.51
12	0.00	0.51	0.00	0.00	3.83	2066.40	12	0.00	0.00	0.00	0.00	1.07	576.44
13	0.00	0.51	0.00	0.00	3.95	2062.96	13	0.00	0.00	0.00	0.00	1.10	575.34
14	0.00	0.51	0.00	0.00	3.52	2059.96	14	0.00	0.00	0.00	0.00	0.98	574.36
15	0.00	0.51	0.00	0.00	5.26	2055.20	15	0.00	0.00	0.00	0.00	1.47	572.89
16	0.00	0.71	0.00	0.00	2.97	2052.94	16	0.00	0.00	0.00	0.00	0.83	572.06
17	0.00	0.51	0.00	0.00	2.95	2050.50	17	0.00	0.00	0.00	0.00	0.82	571.24
18	0.00	0.51	0.00	0.00	3.08	2047.93	18	0.00	0.00	0.00	0.00	0.86	570.38
19	0.00	0.51	0.00	0.00	3.15	2045.29	19	0.00	0.00	0.00	0.00	0.88	569.50
20	0.00	0.51	0.00	0.00	3.08	2042.72	20	0.00	0.00	0.00	0.00	0.86	568.64
21	0.00	0.51	0.00	0.00	3.27	2039.96	21	0.00	0.00	0.00	0.00	0.91	567.73
22	0.00	0.51	0.00	0.00	3.95	2036.52	22	0.00	0.00	0.00	0.00	1.10	566.63
23	0.00	0.51	0.00	0.00	3.45	2033.58	23	0.00	0.00	0.00	0.00	0.96	565.67
24	0.00	0.51	0.00	0.00	3.45	2030.64	24	0.00	0.00	0.00	0.00	0.96	564.71
25	0.00	0.77	0.00	0.00	3.39	2028.02	25	0.00	0.00	0.00	0.00	0.94	563.77
26	0.00	0.77	0.00	0.00	3.38	2025.41	26	0.00	0.00	0.00	0.00	0.94	562.83
27	0.00	0.77	0.00	0.00	3.88	2022.30	27	0.00	0.00	0.00	0.00	1.08	561.75
28	0.00	0.77	0.00	0.00	3.92	2019.15	28	0.00	0.00	0.00	0.00	1.09	560.66
29	0.00	0.77	0.00	0.00	5.98	2013.94	29	0.00	0.00	0.00	0.00	1.66	559.00
30	0.00	0.77	0.00	0.00	1.95	2012.76	30	0.00	0.00	0.00	0.00	0.54	558.46
31	0.00	1.81	243.74	0.00	1.98	1768.85	31	0.00	0.00	41.39	0.00	0.55	516.52
	0.00	20.43	243.74	0.00	109.89			0.00	0.00	41.39	0.00	30.62	

OffsetAccount-ReturnFlow
Return Flow

OffsetAccount-ReturnFlow
Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1501.63							11.89
1	0.00	0.00	0.00	0.00	2.85	1498.78	1	0.00	0.77	0.00	0.00	0.02	12.64
2	0.00	0.00	0.00	0.00	2.36	1496.42	2	0.00	0.77	0.00	0.00	0.02	13.39
3	0.00	0.00	0.00	0.00	2.37	1494.05	3	0.00	0.77	0.00	0.00	0.02	14.14
4	0.00	0.00	0.00	0.00	2.30	1491.75	4	0.00	0.77	0.00	0.00	0.02	14.89
5	0.00	0.00	0.00	0.00	2.23	1489.52	5	0.00	0.77	0.00	0.00	0.02	15.64
6	0.00	0.00	0.00	0.00	2.36	1487.16	6	0.00	0.77	0.00	0.00	0.02	16.39
7	0.00	0.00	0.00	0.00	2.20	1484.96	7	0.00	0.51	0.00	0.00	0.02	16.88
8	0.00	0.00	0.00	0.00	4.32	1480.64	8	0.00	0.51	0.00	0.00	0.05	17.34
9	0.00	0.00	0.00	0.00	2.38	1478.26	9	0.00	0.51	0.00	0.00	0.03	17.82
10	0.00	0.00	0.00	0.00	2.38	1475.98	10	0.00	0.51	0.00	0.00	0.03	18.30
11	0.00	0.00	0.00	0.00	2.45	1473.43	11	0.00	0.51	0.00	0.00	0.03	18.78
12	0.00	0.00	0.00	0.00	2.73	1470.70	12	0.00	0.51	0.00	0.00	0.03	19.26
13	0.00	0.00	0.00	0.00	2.81	1467.89	13	0.00	0.51	0.00	0.00	0.04	19.73
14	0.00	0.00	0.00	0.00	2.51	1465.38	14	0.00	0.51	0.00	0.00	0.03	20.21
15	0.00	0.00	0.00	0.00	3.74	1461.64	15	0.00	0.51	0.00	0.00	0.05	20.67
16	0.00	0.00	0.00	0.00	2.11	1459.53	16	0.00	0.71	0.00	0.00	0.03	21.35
17	0.00	0.00	0.00	0.00	2.10	1457.43	17	0.00	0.51	0.00	0.00	0.03	21.83
18	0.00	0.00	0.00	0.00	2.19	1455.24	18	0.00	0.51	0.00	0.00	0.03	22.31
19	0.00	0.00	0.00	0.00	2.24	1453.00	19	0.00	0.51	0.00	0.00	0.03	22.79
20	0.00	0.00	0.00	0.00	2.19	1450.81	20	0.00	0.51	0.00	0.00	0.03	23.27
21	0.00	0.00	0.00	0.00	2.32	1448.49	21	0.00	0.51	0.00	0.00	0.04	23.74
22	0.00	0.00	0.00	0.00	2.80	1445.69	22	0.00	0.51	0.00	0.00	0.05	24.20
23	0.00	0.00	0.00	0.00	2.45	1443.24	23	0.00	0.51	0.00	0.00	0.04	24.67
24	0.00	0.00	0.00	0.00	2.45	1440.79	24	0.00	0.51	0.00	0.00	0.04	25.14
25	0.00	0.00	0.00	0.00	2.41	1438.38	25	0.00	0.77	0.00	0.00	0.04	25.87
26	0.00	0.00	0.00	0.00	2.40	1435.98	26	0.00	0.77	0.00	0.00	0.04	26.60
27	0.00	0.00	0.00	0.00	2.75	1433.23	27	0.00	0.77	0.00	0.00	0.05	27.32
28	0.00	0.00	0.00	0.00	2.78	1430.45	28	0.00	0.77	0.00	0.00	0.05	28.04
29	0.00	0.00	0.00	0.00	4.24	1426.21	29	0.00	0.77	0.00	0.00	0.08	28.73
30	0.00	0.00	0.00	0.00	1.38	1424.83	30	0.00	0.77	0.00	0.00	0.03	29.47
31	0.00	0.00	202.35	0.00	1.40	1221.08	31	0.00	1.81	0.00	0.00	0.03	31.25
	0.00	0.00	202.35	0.00	78.20			0.00	20.43	0.00	0.00	1.07	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1768.85							516.52
1	0.00	0.79	0.00	0.00	1.89	1767.75	1	0.00	0.00	0.00	0.00	0.55	515.97
2	0.00	0.79	0.00	0.00	4.79	1763.75	2	0.00	0.00	0.00	0.00	1.40	514.57
3	0.00	0.79	0.00	0.00	1.98	1762.56	3	0.00	0.00	0.00	0.00	0.58	513.99
4	0.00	305.55	0.00	0.00	1.85	2066.26	4	0.00	60.66	0.00	0.00	0.54	574.11
5	0.00	0.79	0.00	0.00	0.65	2066.40	5	0.00	0.00	0.00	0.00	0.18	573.93
6	0.00	0.79	0.00	0.00	3.82	2063.37	6	0.00	0.00	0.00	0.00	1.06	572.87
7	0.00	0.79	0.00	0.00	3.89	2060.27	7	0.00	0.00	0.00	0.00	1.08	571.79
8	0.00	0.79	0.00	0.00	3.94	2057.12	8	0.00	0.00	0.00	0.00	1.09	570.70
9	0.00	0.79	0.00	0.00	3.93	2053.98	9	0.00	0.00	0.00	0.00	1.09	569.61
10	0.00	0.79	0.00	0.00	3.72	2051.05	10	0.00	0.00	0.00	0.00	1.03	568.58
11	0.00	0.79	0.00	0.00	4.50	2047.34	11	0.00	0.00	0.00	0.00	1.25	567.33
12	0.00	0.79	0.00	0.00	4.86	2043.27	12	0.00	0.00	0.00	0.00	1.35	565.98
13	0.00	2.44	0.00	0.00	4.65	2041.06	13	0.00	0.33	0.00	0.00	1.29	565.02
14	0.00	0.79	0.00	0.00	4.63	2037.22	14	0.00	0.00	0.00	0.00	1.28	563.74
15	0.00	0.79	0.00	0.00	4.78	2033.23	15	0.00	0.00	0.00	0.00	1.32	562.42
16	0.00	0.79	0.00	0.00	4.41	2029.61	16	0.00	0.00	0.00	0.00	1.22	561.20
17	0.00	0.79	0.00	0.00	3.98	2026.42	17	0.00	0.00	0.00	0.00	1.10	560.10
18	0.00	0.79	0.00	0.00	2.06	2025.15	18	0.00	0.00	0.00	0.00	0.57	559.53
19	0.00	0.79	0.00	0.00	2.56	2023.38	19	0.00	0.00	0.00	0.00	0.71	558.82
20	0.00	0.79	0.00	0.00	5.81	2018.36	20	0.00	0.00	0.00	0.00	1.60	557.22
21	0.00	0.79	0.00	0.00	5.80	2013.35	21	0.00	0.00	0.00	0.00	1.60	555.62
22	0.00	0.79	0.00	0.00	5.79	2008.35	22	0.00	0.00	0.00	0.00	1.60	554.02
23	0.00	0.79	0.00	0.00	7.55	2001.59	23	0.00	0.00	0.00	0.00	2.08	551.94
24	0.00	0.79	0.00	0.00	8.67	1993.71	24	0.00	0.00	0.00	0.00	2.39	549.55
25	0.00	0.79	0.00	0.00	5.22	1989.28	25	0.00	0.00	0.00	0.00	1.44	548.11
26	0.00	0.79	0.00	0.00	4.08	1985.99	26	0.00	0.00	0.00	0.00	1.12	546.99
27	0.00	0.79	0.00	0.00	5.49	1981.29	27	0.00	0.00	0.00	0.00	1.51	545.48
28	0.00	0.79	0.00	0.00	5.41	1976.67	28	0.00	0.00	0.00	0.00	1.49	543.99
29	0.00	0.79	0.00	0.00	5.41	1972.05	29	0.00	0.00	0.00	0.00	1.49	542.50
30	0.00	3.64	341.85	0.00	5.76	1628.08	30	0.00	0.00	57.99	0.00	1.58	482.93
	0.00	332.96	341.85	0.00	131.88			0.00	60.99	57.99	0.00	36.59	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1221.08							31.25
1	0.00	0.00	0.00	0.00	1.31	1219.77	1	0.00	0.79	0.00	0.00	0.03	32.01
2	0.00	0.00	0.00	0.00	3.30	1216.47	2	0.00	0.79	0.00	0.00	0.09	32.71
3	0.00	0.00	0.00	0.00	1.36	1215.11	3	0.00	0.79	0.00	0.00	0.04	33.46
4	0.00	244.10	0.00	0.00	1.27	1457.94	4	0.00	0.79	0.00	0.00	0.04	34.21
5	0.00	0.00	0.00	0.00	0.46	1457.48	5	0.00	0.79	0.00	0.00	0.01	34.99
6	0.00	0.00	0.00	0.00	2.70	1454.78	6	0.00	0.79	0.00	0.00	0.06	35.72
7	0.00	0.00	0.00	0.00	2.74	1452.04	7	0.00	0.79	0.00	0.00	0.07	36.44
8	0.00	0.00	0.00	0.00	2.78	1449.26	8	0.00	0.79	0.00	0.00	0.07	37.16
9	0.00	0.00	0.00	0.00	2.77	1446.49	9	0.00	0.79	0.00	0.00	0.07	37.88
10	0.00	0.00	0.00	0.00	2.62	1443.87	10	0.00	0.79	0.00	0.00	0.07	38.60
11	0.00	0.00	0.00	0.00	3.17	1440.70	11	0.00	0.79	0.00	0.00	0.08	39.31
12	0.00	0.00	0.00	0.00	3.42	1437.28	12	0.00	0.79	0.00	0.00	0.09	40.01
13	0.00	1.32	0.00	0.00	3.27	1435.33	13	0.00	0.79	0.00	0.00	0.09	40.71
14	0.00	0.00	0.00	0.00	3.26	1432.07	14	0.00	0.79	0.00	0.00	0.09	41.41
15	0.00	0.00	0.00	0.00	3.36	1428.71	15	0.00	0.79	0.00	0.00	0.10	42.10
16	0.00	0.00	0.00	0.00	3.10	1425.61	16	0.00	0.79	0.00	0.00	0.09	42.80
17	0.00	0.00	0.00	0.00	2.80	1422.81	17	0.00	0.79	0.00	0.00	0.08	43.51
18	0.00	0.00	0.00	0.00	1.45	1421.36	18	0.00	0.79	0.00	0.00	0.04	44.26
19	0.00	0.00	0.00	0.00	1.79	1419.57	19	0.00	0.79	0.00	0.00	0.06	44.99
20	0.00	0.00	0.00	0.00	4.08	1415.49	20	0.00	0.79	0.00	0.00	0.13	45.65
21	0.00	0.00	0.00	0.00	4.07	1411.42	21	0.00	0.79	0.00	0.00	0.13	46.31
22	0.00	0.00	0.00	0.00	4.06	1407.36	22	0.00	0.79	0.00	0.00	0.13	46.97
23	0.00	0.00	0.00	0.00	5.29	1402.07	23	0.00	0.79	0.00	0.00	0.18	47.58
24	0.00	0.00	0.00	0.00	6.07	1396.00	24	0.00	0.79	0.00	0.00	0.21	48.16
25	0.00	0.00	0.00	0.00	3.65	1392.35	25	0.00	0.79	0.00	0.00	0.13	48.82
26	0.00	0.00	0.00	0.00	2.86	1389.49	26	0.00	0.79	0.00	0.00	0.10	49.51
27	0.00	0.00	0.00	0.00	3.84	1385.65	27	0.00	0.79	0.00	0.00	0.14	50.16
28	0.00	0.00	0.00	0.00	3.78	1381.87	28	0.00	0.79	0.00	0.00	0.14	50.81
29	0.00	0.00	0.00	0.00	3.78	1378.09	29	0.00	0.79	0.00	0.00	0.14	51.46
30	0.00	0.00	283.86	0.00	4.03	1090.20	30	0.00	3.64	0.00	0.00	0.15	54.95
	0.00	245.42	283.86	0.00	92.44			0.00	26.55	0.00	0.00	2.85	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1628.08							482.93
1	0.00	0.77	0.00	0.00	5.75	1623.10	1	0.00	0.00	0.00	0.00	1.71	481.22
2	0.00	0.77	0.00	0.00	4.65	1619.22	2	0.00	0.00	0.00	0.00	1.38	479.84
3	0.00	0.77	0.00	0.00	5.56	1614.43	3	0.00	0.00	0.00	0.00	1.65	478.19
4	0.00	0.77	0.00	0.00	5.44	1609.76	4	0.00	0.00	0.00	0.00	1.61	476.58
5	0.00	0.77	0.00	0.00	5.51	1605.02	5	0.00	0.00	0.00	0.00	1.63	474.95
6	0.00	0.77	0.00	0.00	5.51	1600.28	6	0.00	0.00	0.00	0.00	1.63	473.32
7	0.00	2.00	0.00	0.00	5.51	1596.77	7	0.00	0.00	0.00	0.00	1.63	471.69
8	0.00	0.77	0.00	0.00	6.04	1591.50	8	0.00	0.00	0.00	0.00	1.78	469.91
9	0.00	0.77	0.00	0.00	4.94	1587.33	9	0.00	0.00	0.00	0.00	1.46	468.45
10	0.00	0.77	0.00	0.00	5.23	1582.87	10	0.00	0.00	0.00	0.00	1.54	466.91
11	0.00	0.77	0.00	0.00	5.30	1578.34	11	0.00	0.00	0.00	0.00	1.56	465.35
12	0.00	0.77	0.00	0.00	5.30	1573.81	12	0.00	0.00	0.00	0.00	1.56	463.79
13	0.00	0.77	0.00	0.00	5.30	1569.28	13	0.00	0.00	0.00	0.00	1.56	462.23
14	0.00	0.77	0.00	0.00	4.61	1565.44	14	0.00	0.00	0.00	0.00	1.36	460.87
15	0.00	0.77	0.00	0.00	6.66	1559.55	15	0.00	0.00	0.00	0.00	1.96	458.91
16	0.00	0.77	0.00	0.00	7.50	1552.82	16	0.00	0.00	0.00	0.00	2.21	456.70
17	0.00	0.77	0.00	0.00	7.11	1546.48	17	0.00	0.00	0.00	0.00	2.09	454.61
18	0.00	0.77	0.00	0.00	4.89	1542.36	18	0.00	0.00	0.00	0.00	1.44	453.17
19	0.00	0.77	0.00	0.00	4.89	1538.24	19	0.00	0.00	0.00	0.00	1.44	451.73
20	0.00	0.77	0.00	0.00	4.89	1534.12	20	0.00	0.00	0.00	0.00	1.44	450.29
21	0.00	0.77	0.00	0.00	6.14	1528.75	21	0.00	0.00	0.00	0.00	1.80	448.49
22	0.00	0.77	0.00	0.00	4.49	1525.03	22	0.00	0.00	0.00	0.00	1.32	447.17
23	0.00	0.77	0.00	0.00	5.21	1520.59	23	0.00	0.00	0.00	0.00	1.53	445.64
24	0.00	0.77	0.00	0.00	6.53	1514.83	24	0.00	0.00	0.00	0.00	1.91	443.73
25	0.00	0.77	0.00	0.00	5.88	1509.72	25	0.00	0.00	0.00	0.00	1.72	442.01
26	0.00	0.77	0.00	0.00	5.78	1504.71	26	0.00	0.00	0.00	0.00	1.69	440.32
27	0.00	0.77	0.00	0.00	5.79	1499.69	27	0.00	0.00	0.00	0.00	1.69	438.63
28	0.00	0.77	0.00	0.00	2.46	1498.00	28	0.00	0.00	0.00	0.00	0.72	437.91
29	0.00	0.77	0.00	0.00	3.12	1495.65	29	0.00	0.00	0.00	0.00	0.91	437.00
30	0.00	0.77	0.00	0.00	4.76	1491.66	30	0.00	0.00	0.00	0.00	1.39	435.61
31	0.00	0.77	423.95	0.00	5.38	1063.10	31	0.00	0.00	73.49	0.00	1.57	360.55
	0.00	25.10	423.95	0.00	166.13			0.00	0.00	73.49	0.00	48.89	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1090.20							54.95
1	0.00	0.00	0.00	0.00	3.85	1086.35	1	0.00	0.77	0.00	0.00	0.19	55.53
2	0.00	0.00	0.00	0.00	3.11	1083.24	2	0.00	0.77	0.00	0.00	0.16	56.14
3	0.00	0.00	0.00	0.00	3.72	1079.52	3	0.00	0.77	0.00	0.00	0.19	56.72
4	0.00	0.00	0.00	0.00	3.64	1075.88	4	0.00	0.77	0.00	0.00	0.19	57.30
5	0.00	0.00	0.00	0.00	3.68	1072.20	5	0.00	0.77	0.00	0.00	0.20	57.87
6	0.00	0.00	0.00	0.00	3.68	1068.52	6	0.00	0.77	0.00	0.00	0.20	58.44
7	0.00	0.00	0.00	0.00	3.68	1064.84	7	0.00	2.00	0.00	0.00	0.20	60.24
8	0.00	0.00	0.00	0.00	4.03	1060.81	8	0.00	0.77	0.00	0.00	0.23	60.78
9	0.00	0.00	0.00	0.00	3.29	1057.52	9	0.00	0.77	0.00	0.00	0.19	61.36
10	0.00	0.00	0.00	0.00	3.49	1054.03	10	0.00	0.77	0.00	0.00	0.20	61.93
11	0.00	0.00	0.00	0.00	3.53	1050.50	11	0.00	0.77	0.00	0.00	0.21	62.49
12	0.00	0.00	0.00	0.00	3.53	1046.97	12	0.00	0.77	0.00	0.00	0.21	63.05
13	0.00	0.00	0.00	0.00	3.53	1043.44	13	0.00	0.77	0.00	0.00	0.21	63.61
14	0.00	0.00	0.00	0.00	3.06	1040.38	14	0.00	0.77	0.00	0.00	0.19	64.19
15	0.00	0.00	0.00	0.00	4.43	1035.95	15	0.00	0.77	0.00	0.00	0.27	64.69
16	0.00	0.00	0.00	0.00	4.98	1030.97	16	0.00	0.77	0.00	0.00	0.31	65.15
17	0.00	0.00	0.00	0.00	4.72	1026.25	17	0.00	0.77	0.00	0.00	0.30	65.62
18	0.00	0.00	0.00	0.00	3.24	1023.01	18	0.00	0.77	0.00	0.00	0.21	66.18
19	0.00	0.00	0.00	0.00	3.24	1019.77	19	0.00	0.77	0.00	0.00	0.21	66.74
20	0.00	0.00	0.00	0.00	3.24	1016.53	20	0.00	0.77	0.00	0.00	0.21	67.30
21	0.00	0.00	0.00	0.00	4.07	1012.46	21	0.00	0.77	0.00	0.00	0.27	67.80
22	0.00	0.00	0.00	0.00	2.97	1009.49	22	0.00	0.77	0.00	0.00	0.20	68.37
23	0.00	0.00	0.00	0.00	3.45	1006.04	23	0.00	0.77	0.00	0.00	0.23	68.91
24	0.00	0.00	0.00	0.00	4.32	1001.72	24	0.00	0.77	0.00	0.00	0.30	69.38
25	0.00	0.00	0.00	0.00	3.89	997.83	25	0.00	0.77	0.00	0.00	0.27	69.88
26	0.00	0.00	0.00	0.00	3.82	994.01	26	0.00	0.77	0.00	0.00	0.27	70.38
27	0.00	0.00	0.00	0.00	3.83	990.18	27	0.00	0.77	0.00	0.00	0.27	70.88
28	0.00	0.00	0.00	0.00	1.62	988.56	28	0.00	0.77	0.00	0.00	0.12	71.53
29	0.00	0.00	0.00	0.00	2.06	986.50	29	0.00	0.77	0.00	0.00	0.15	72.15
30	0.00	0.00	0.00	0.00	3.14	983.36	30	0.00	0.77	0.00	0.00	0.23	72.69
31	0.00	0.00	350.46	0.00	3.55	629.35	31	0.00	0.77	0.00	0.00	0.26	73.20
	0.00	0.00	350.46	0.00	110.39			0.00	25.10	0.00	0.00	6.85	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1063.10							360.55
1	0.00	7.56	0.00	0.00	3.04	1067.62	1	0.00	0.00	0.00	0.00	1.03	359.52
2	0.00	0.71	0.00	0.00	3.08	1065.25	2	0.00	0.00	0.00	0.00	1.04	358.48
3	0.00	0.71	0.00	0.00	3.04	1062.92	3	0.00	0.00	0.00	0.00	1.02	357.46
4	0.00	0.71	0.00	0.00	2.61	1061.02	4	0.00	0.00	0.00	0.00	0.88	356.58
5	0.00	0.71	0.00	0.00	2.25	1059.48	5	0.00	0.00	0.00	0.00	0.76	355.82
6	0.00	0.71	0.00	0.00	3.15	1057.04	6	0.00	0.00	0.00	0.00	1.06	354.76
7	0.00	0.71	0.00	0.00	3.85	1053.90	7	0.00	0.00	0.00	0.00	1.29	353.47
8	0.00	0.71	0.00	0.00	2.26	1052.35	8	0.00	0.00	0.00	0.00	0.76	352.71
9	0.00	0.71	0.00	0.00	2.27	1050.79	9	0.00	0.00	0.00	0.00	0.76	351.95
10	0.00	0.71	0.00	0.00	2.36	1049.14	10	0.00	0.00	0.00	0.00	0.79	351.16
11	0.00	0.71	0.00	0.00	3.83	1046.02	11	0.00	0.00	0.00	0.00	1.28	349.88
12	0.00	0.71	0.00	0.00	3.60	1043.13	12	0.00	0.00	0.00	0.00	1.21	348.67
13	0.00	0.71	0.00	0.00	3.68	1040.16	13	0.00	0.00	0.00	0.00	1.23	347.44
14	0.00	0.71	0.00	0.00	3.96	1036.91	14	0.00	0.00	0.00	0.00	1.32	346.12
15	0.00	0.71	0.00	0.00	4.14	1033.48	15	0.00	0.00	0.00	0.00	1.38	344.74
16	0.00	0.71	0.00	0.00	4.19	1030.00	16	0.00	0.00	0.00	0.00	1.40	343.34
17	0.00	0.71	0.00	0.00	4.20	1026.51	17	0.00	0.00	0.00	0.00	1.40	341.94
18	0.00	0.71	0.00	0.00	2.19	1025.03	18	0.00	0.00	0.00	0.00	0.73	341.21
19	0.00	0.71	0.00	0.00	2.59	1023.15	19	0.00	0.00	0.00	0.00	0.86	340.35
20	0.00	0.71	0.00	0.00	2.86	1021.00	20	0.00	0.00	0.00	0.00	0.95	339.40
21	0.00	0.71	0.00	0.00	4.48	1017.23	21	0.00	0.00	0.00	0.00	1.49	337.91
22	0.00	0.71	0.00	0.00	4.48	1013.46	22	0.00	0.00	0.00	0.00	1.49	336.42
23	0.00	0.71	0.00	0.00	4.40	1009.77	23	0.00	0.00	0.00	0.00	1.46	334.96
24	0.00	0.71	0.00	0.00	4.49	1005.99	24	0.00	0.00	0.00	0.00	1.49	333.47
25	0.00	0.71	0.00	0.00	3.28	1003.42	25	0.00	0.00	0.00	0.00	1.09	332.38
26	0.00	0.47	0.00	0.00	2.30	1001.59	26	0.00	0.00	0.00	0.00	0.76	331.62
27	0.00	0.47	0.00	0.00	3.74	998.32	27	0.00	0.00	0.00	0.00	1.24	330.38
28	0.00	0.47	0.00	0.00	2.78	996.01	28	0.00	0.00	0.00	0.00	0.92	329.46
29	0.00	0.47	0.00	0.00	1.27	995.21	29	0.00	0.00	0.00	0.00	0.42	329.04
30	0.00	0.47	0.00	0.00	1.27	994.41	30	0.00	0.00	0.00	0.00	0.42	328.62
31	0.00	0.47	61.10	0.00	1.27	932.51	31	0.00	0.00	8.32	0.00	0.42	319.88
	0.00	27.42	61.10	0.00	96.91			0.00	0.00	8.32	0.00	32.35	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						629.35							73.20
1	0.00	0.00	0.00	0.00	1.80	627.55	1	0.00	7.56	0.00	0.00	0.21	80.55
2	0.00	0.00	0.00	0.00	1.81	625.74	2	0.00	0.71	0.00	0.00	0.23	81.03
3	0.00	0.00	0.00	0.00	1.79	623.95	3	0.00	0.71	0.00	0.00	0.23	81.51
4	0.00	0.00	0.00	0.00	1.53	622.42	4	0.00	0.71	0.00	0.00	0.20	82.02
5	0.00	0.00	0.00	0.00	1.32	621.10	5	0.00	0.71	0.00	0.00	0.17	82.56
6	0.00	0.00	0.00	0.00	1.84	619.26	6	0.00	0.71	0.00	0.00	0.25	83.02
7	0.00	0.00	0.00	0.00	2.26	617.00	7	0.00	0.71	0.00	0.00	0.30	83.43
8	0.00	0.00	0.00	0.00	1.32	615.68	8	0.00	0.71	0.00	0.00	0.18	83.96
9	0.00	0.00	0.00	0.00	1.33	614.35	9	0.00	0.71	0.00	0.00	0.18	84.49
10	0.00	0.00	0.00	0.00	1.38	612.97	10	0.00	0.71	0.00	0.00	0.19	85.01
11	0.00	0.00	0.00	0.00	2.24	610.73	11	0.00	0.71	0.00	0.00	0.31	85.41
12	0.00	0.00	0.00	0.00	2.10	608.63	12	0.00	0.71	0.00	0.00	0.29	85.83
13	0.00	0.00	0.00	0.00	2.15	606.48	13	0.00	0.71	0.00	0.00	0.30	86.24
14	0.00	0.00	0.00	0.00	2.31	604.17	14	0.00	0.71	0.00	0.00	0.33	86.62
15	0.00	0.00	0.00	0.00	2.41	601.76	15	0.00	0.71	0.00	0.00	0.35	86.98
16	0.00	0.00	0.00	0.00	2.44	599.32	16	0.00	0.71	0.00	0.00	0.35	87.34
17	0.00	0.00	0.00	0.00	2.44	596.88	17	0.00	0.71	0.00	0.00	0.36	87.69
18	0.00	0.00	0.00	0.00	1.27	595.61	18	0.00	0.71	0.00	0.00	0.19	88.21
19	0.00	0.00	0.00	0.00	1.51	594.10	19	0.00	0.71	0.00	0.00	0.22	88.70
20	0.00	0.00	0.00	0.00	1.66	592.44	20	0.00	0.71	0.00	0.00	0.25	89.16
21	0.00	0.00	0.00	0.00	2.60	589.84	21	0.00	0.71	0.00	0.00	0.39	89.48
22	0.00	0.00	0.00	0.00	2.60	587.24	22	0.00	0.71	0.00	0.00	0.39	89.80
23	0.00	0.00	0.00	0.00	2.55	584.69	23	0.00	0.71	0.00	0.00	0.39	90.12
24	0.00	0.00	0.00	0.00	2.60	582.09	24	0.00	0.71	0.00	0.00	0.40	90.43
25	0.00	0.00	0.00	0.00	1.90	580.19	25	0.00	0.71	0.00	0.00	0.29	90.85
26	0.00	0.00	0.00	0.00	1.33	578.86	26	0.00	0.47	0.00	0.00	0.21	91.11
27	0.00	0.00	0.00	0.00	2.16	576.70	27	0.00	0.47	0.00	0.00	0.34	91.24
28	0.00	0.00	0.00	0.00	1.61	575.09	28	0.00	0.47	0.00	0.00	0.25	91.46
29	0.00	0.00	0.00	0.00	0.73	574.36	29	0.00	0.47	0.00	0.00	0.12	91.81
30	0.00	0.00	0.00	0.00	0.73	573.63	30	0.00	0.47	0.00	0.00	0.12	92.16
31	0.00	0.00	52.78	0.00	0.73	520.12	31	0.00	0.47	0.00	0.00	0.12	92.51
	0.00	0.00	52.78	0.00	56.45			0.00	27.42	0.00	0.00	8.11	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						932.51							319.88
1	0.00	8.53	0.00	0.00	1.27	939.77	1	0.00	0.00	0.00	0.00	0.43	319.45
2	0.00	0.42	0.00	0.00	2.13	938.06	2	0.00	0.00	0.00	0.00	0.72	318.73
3	0.00	0.63	0.00	0.00	1.27	937.42	3	0.00	0.00	0.00	0.00	0.43	318.30
4	0.00	0.63	0.00	0.00	2.97	935.08	4	0.00	0.00	0.00	0.00	1.01	317.29
5	0.00	0.63	0.00	0.00	2.12	933.59	5	0.00	0.00	0.00	0.00	0.72	316.57
6	0.00	0.63	0.00	0.00	2.12	932.10	6	0.00	0.00	0.00	0.00	0.72	315.85
7	0.00	0.63	0.00	0.00	2.00	930.73	7	0.00	0.00	0.00	0.00	0.68	315.17
8	0.00	0.63	0.00	0.00	2.21	929.15	8	0.00	0.00	0.00	0.00	0.75	314.42
9	0.00	0.63	0.00	0.00	1.58	928.20	9	0.00	0.00	0.00	0.00	0.53	313.89
10	0.00	0.63	0.00	0.00	2.25	926.58	10	0.00	0.00	0.00	0.00	0.76	313.13
11	0.00	0.63	0.00	0.00	1.83	925.38	11	0.00	0.00	0.00	0.00	0.62	312.51
12	0.00	0.63	0.00	0.00	1.83	924.18	12	0.00	0.00	0.00	0.00	0.62	311.89
13	0.00	0.63	0.00	0.00	1.82	922.99	13	0.00	0.00	0.00	0.00	0.61	311.28
14	0.00	0.63	0.00	0.00	1.73	921.89	14	0.00	0.00	0.00	0.00	0.58	310.70
15	0.00	0.63	0.00	0.00	2.50	920.02	15	0.00	0.00	0.00	0.00	0.84	309.86
16	0.00	0.63	0.00	0.00	2.24	918.41	16	0.00	0.00	0.00	0.00	0.75	309.11
17	0.00	0.63	0.00	0.00	3.38	915.66	17	0.00	0.00	0.00	0.00	1.14	307.97
18	0.00	0.63	0.00	0.00	1.56	914.73	18	0.00	0.00	0.00	0.00	0.53	307.44
19	0.00	0.63	0.00	0.00	1.81	913.55	19	0.00	0.00	0.00	0.00	0.61	306.83
20	0.00	0.63	0.00	0.00	1.81	912.37	20	0.00	0.00	0.00	0.00	0.61	306.22
21	0.00	0.63	0.00	0.00	1.82	911.18	21	0.00	0.00	0.00	0.00	0.61	305.61
22	0.00	0.63	0.00	0.00	1.43	910.38	22	0.00	0.00	0.00	0.00	0.48	305.13
23	0.00	0.63	0.00	0.00	2.62	908.39	23	0.00	0.00	0.00	0.00	0.88	304.25
24	0.00	0.63	0.00	0.00	1.91	907.11	24	0.00	0.00	0.00	0.00	0.64	303.61
25	0.00	0.63	0.00	0.00	2.26	905.48	25	0.00	0.00	0.00	0.00	0.76	302.85
26	0.00	0.63	0.00	0.00	2.03	904.08	26	0.00	0.00	0.00	0.00	0.68	302.17
27	0.00	0.63	0.00	0.00	1.98	902.73	27	0.00	0.00	0.00	0.00	0.66	301.51
28	0.00	0.63	0.00	0.00	1.87	901.49	28	0.00	0.00	0.00	0.00	0.62	300.89
29	0.00	0.63	0.00	0.00	2.01	900.11	29	0.00	0.00	0.00	0.00	0.67	300.22
30	0.00	0.63	0.00	0.00	0.57	900.17	30	0.00	0.00	0.00	0.00	0.19	300.03
	0.00	26.59	0.00	0.00	58.93			0.00	0.00	0.00	0.00	19.85	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						520.12							92.51
1	0.00	0.00	0.00	0.00	0.71	519.41	1	0.00	8.53	0.00	0.00	0.13	100.91
2	0.00	0.00	0.00	0.00	1.18	518.23	2	0.00	0.42	0.00	0.00	0.23	101.10
3	0.00	0.00	0.00	0.00	0.70	517.53	3	0.00	0.63	0.00	0.00	0.14	101.59
4	0.00	0.00	0.00	0.00	1.64	515.89	4	0.00	0.63	0.00	0.00	0.32	101.90
5	0.00	0.00	0.00	0.00	1.17	514.72	5	0.00	0.63	0.00	0.00	0.23	102.30
6	0.00	0.00	0.00	0.00	1.17	513.55	6	0.00	0.63	0.00	0.00	0.23	102.70
7	0.00	0.00	0.00	0.00	1.10	512.45	7	0.00	0.63	0.00	0.00	0.22	103.11
8	0.00	0.00	0.00	0.00	1.22	511.23	8	0.00	0.63	0.00	0.00	0.24	103.50
9	0.00	0.00	0.00	0.00	0.87	510.36	9	0.00	0.63	0.00	0.00	0.18	103.95
10	0.00	0.00	0.00	0.00	1.24	509.12	10	0.00	0.63	0.00	0.00	0.25	104.33
11	0.00	0.00	0.00	0.00	1.00	508.12	11	0.00	0.63	0.00	0.00	0.21	104.75
12	0.00	0.00	0.00	0.00	1.00	507.12	12	0.00	0.63	0.00	0.00	0.21	105.17
13	0.00	0.00	0.00	0.00	1.00	506.12	13	0.00	0.63	0.00	0.00	0.21	105.59
14	0.00	0.00	0.00	0.00	0.95	505.17	14	0.00	0.63	0.00	0.00	0.20	106.02
15	0.00	0.00	0.00	0.00	1.37	503.80	15	0.00	0.63	0.00	0.00	0.29	106.36
16	0.00	0.00	0.00	0.00	1.23	502.57	16	0.00	0.63	0.00	0.00	0.26	106.73
17	0.00	0.00	0.00	0.00	1.85	500.72	17	0.00	0.63	0.00	0.00	0.39	106.97
18	0.00	0.00	0.00	0.00	0.85	499.87	18	0.00	0.63	0.00	0.00	0.18	107.42
19	0.00	0.00	0.00	0.00	0.99	498.88	19	0.00	0.63	0.00	0.00	0.21	107.84
20	0.00	0.00	0.00	0.00	0.99	497.89	20	0.00	0.63	0.00	0.00	0.21	108.26
21	0.00	0.00	0.00	0.00	0.99	496.90	21	0.00	0.63	0.00	0.00	0.22	108.67
22	0.00	0.00	0.00	0.00	0.78	496.12	22	0.00	0.63	0.00	0.00	0.17	109.13
23	0.00	0.00	0.00	0.00	1.43	494.69	23	0.00	0.63	0.00	0.00	0.31	109.45
24	0.00	0.00	0.00	0.00	1.04	493.65	24	0.00	0.63	0.00	0.00	0.23	109.85
25	0.00	0.00	0.00	0.00	1.23	492.42	25	0.00	0.63	0.00	0.00	0.27	110.21
26	0.00	0.00	0.00	0.00	1.10	491.32	26	0.00	0.63	0.00	0.00	0.25	110.59
27	0.00	0.00	0.00	0.00	1.08	490.24	27	0.00	0.63	0.00	0.00	0.24	110.98
28	0.00	0.00	0.00	0.00	1.02	489.22	28	0.00	0.63	0.00	0.00	0.23	111.38
29	0.00	0.00	0.00	0.00	1.09	488.13	29	0.00	0.63	0.00	0.00	0.25	111.76
30	0.00	0.00	0.00	0.00	0.31	487.82	30	0.00	0.63	0.00	0.00	0.07	112.32
	0.00	0.00	0.00	0.00	32.30			0.00	26.59	0.00	0.00	6.78	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						900.17							300.03
1	0.00	7.33	0.00	0.00	1.19	906.31	1	0.00	0.00	0.00	0.00	0.40	299.63
2	0.00	0.55	0.00	0.00	0.84	906.02	2	0.00	0.00	0.00	0.00	0.28	299.35
3	0.00	0.55	0.00	0.00	1.29	905.28	3	0.00	0.00	0.00	0.00	0.43	298.92
4	0.00	0.55	0.00	0.00	1.28	904.55	4	0.00	0.00	0.00	0.00	0.42	298.50
5	0.00	0.55	0.00	0.00	1.33	903.77	5	0.00	0.00	0.00	0.00	0.44	298.06
6	0.00	0.55	0.00	0.00	1.91	902.41	6	0.00	0.00	0.00	0.00	0.63	297.43
7	0.00	0.55	49.03	0.00	1.03	852.90	7	0.00	0.00	6.84	0.00	0.34	290.25
8	0.00	0.55	0.00	0.00	1.30	852.15	8	0.00	0.00	0.00	0.00	0.44	289.81
9	0.00	0.55	0.00	0.00	2.26	850.44	9	0.00	0.00	0.00	0.00	0.77	289.04
10	0.00	0.55	0.00	0.00	1.85	849.14	10	0.00	0.00	0.00	0.00	0.63	288.41
11	0.00	0.55	0.00	0.00	1.86	847.83	11	0.00	0.00	0.00	0.00	0.63	287.78
12	0.00	0.55	0.00	0.00	1.86	846.52	12	0.00	0.00	0.00	0.00	0.63	287.15
13	0.00	0.55	0.00	0.00	1.90	845.17	13	0.00	0.00	0.00	0.00	0.64	286.51
14	0.00	0.55	0.00	0.00	1.94	843.78	14	0.00	0.00	0.00	0.00	0.66	285.85
15	0.00	0.55	0.00	0.00	1.61	842.72	15	0.00	0.00	0.00	0.00	0.54	285.31
16	0.00	0.55	0.00	0.00	1.57	841.70	16	0.00	0.00	0.00	0.00	0.53	284.78
17	0.00	0.55	0.00	0.00	1.36	840.89	17	0.00	0.00	0.00	0.00	0.46	284.32
18	0.00	0.55	0.00	0.00	1.36	840.08	18	0.00	0.00	0.00	0.00	0.46	283.86
19	0.00	0.55	0.00	0.00	1.27	839.36	19	0.00	0.00	0.00	0.00	0.43	283.43
20	0.00	0.55	0.00	0.00	2.30	837.61	20	0.00	0.00	0.00	0.00	0.78	282.65
21	0.00	0.55	0.00	0.00	1.71	836.45	21	0.00	0.00	0.00	0.00	0.58	282.07
22	0.00	0.55	0.00	0.00	1.33	835.67	22	0.00	0.00	0.00	0.00	0.45	281.62
23	0.00	0.55	0.00	0.00	1.54	834.68	23	0.00	0.00	0.00	0.00	0.52	281.10
24	0.00	0.55	0.00	0.00	1.28	833.95	24	0.00	0.00	0.00	0.00	0.43	280.67
25	0.00	0.55	0.00	0.00	1.25	833.25	25	0.00	0.00	0.00	0.00	0.42	280.25
26	0.00	0.55	0.00	0.00	1.19	832.61	26	0.00	0.00	0.00	0.00	0.40	279.85
27	0.00	0.55	0.00	0.00	0.86	832.30	27	0.00	0.00	0.00	0.00	0.29	279.56
28	0.00	0.55	0.00	0.00	0.69	832.16	28	0.00	0.00	0.00	0.00	0.23	279.33
29	0.00	0.55	0.00	0.00	2.24	830.47	29	0.00	0.00	0.00	0.00	0.75	278.58
30	0.00	0.55	0.00	0.00	0.35	830.67	30	0.00	0.00	0.00	0.00	0.12	278.46
31	0.00	6.97	42.57	0.00	0.47	794.60	31	0.00	0.00	6.04	0.00	0.16	272.26
	0.00	30.25	91.60	0.00	44.22		0.00	0.00	12.88	0.00	0.00	14.89	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						487.82							112.32
1	0.00	0.00	0.00	0.00	0.64	487.18	1	0.00	7.33	0.00	0.00	0.15	119.50
2	0.00	0.00	0.00	0.00	0.45	486.73	2	0.00	0.55	0.00	0.00	0.11	119.94
3	0.00	0.00	0.00	0.00	0.69	486.04	3	0.00	0.55	0.00	0.00	0.17	120.32
4	0.00	0.00	0.00	0.00	0.69	485.35	4	0.00	0.55	0.00	0.00	0.17	120.70
5	0.00	0.00	0.00	0.00	0.71	484.64	5	0.00	0.55	0.00	0.00	0.18	121.07
6	0.00	0.00	0.00	0.00	1.02	483.62	6	0.00	0.55	0.00	0.00	0.26	121.36
7	0.00	0.00	42.19	0.00	0.55	440.88	7	0.00	0.55	0.00	0.00	0.14	121.77
8	0.00	0.00	0.00	0.00	0.67	440.21	8	0.00	0.55	0.00	0.00	0.19	122.13
9	0.00	0.00	0.00	0.00	1.17	439.04	9	0.00	0.55	0.00	0.00	0.32	122.36
10	0.00	0.00	0.00	0.00	0.95	438.09	10	0.00	0.55	0.00	0.00	0.27	122.64
11	0.00	0.00	0.00	0.00	0.96	437.13	11	0.00	0.55	0.00	0.00	0.27	122.92
12	0.00	0.00	0.00	0.00	0.96	436.17	12	0.00	0.55	0.00	0.00	0.27	123.20
13	0.00	0.00	0.00	0.00	0.98	435.19	13	0.00	0.55	0.00	0.00	0.28	123.47
14	0.00	0.00	0.00	0.00	1.00	434.19	14	0.00	0.55	0.00	0.00	0.28	123.74
15	0.00	0.00	0.00	0.00	0.83	433.36	15	0.00	0.55	0.00	0.00	0.24	124.05
16	0.00	0.00	0.00	0.00	0.81	432.55	16	0.00	0.55	0.00	0.00	0.23	124.37
17	0.00	0.00	0.00	0.00	0.70	431.85	17	0.00	0.55	0.00	0.00	0.20	124.72
18	0.00	0.00	0.00	0.00	0.70	431.15	18	0.00	0.55	0.00	0.00	0.20	125.07
19	0.00	0.00	0.00	0.00	0.65	430.50	19	0.00	0.55	0.00	0.00	0.19	125.43
20	0.00	0.00	0.00	0.00	1.18	429.32	20	0.00	0.55	0.00	0.00	0.34	125.64
21	0.00	0.00	0.00	0.00	0.87	428.45	21	0.00	0.55	0.00	0.00	0.26	125.93
22	0.00	0.00	0.00	0.00	0.68	427.77	22	0.00	0.55	0.00	0.00	0.20	126.28
23	0.00	0.00	0.00	0.00	0.79	426.98	23	0.00	0.55	0.00	0.00	0.23	126.60
24	0.00	0.00	0.00	0.00	0.66	426.32	24	0.00	0.55	0.00	0.00	0.19	126.96
25	0.00	0.00	0.00	0.00	0.64	425.68	25	0.00	0.55	0.00	0.00	0.19	127.32
26	0.00	0.00	0.00	0.00	0.61	425.07	26	0.00	0.55	0.00	0.00	0.18	127.69
27	0.00	0.00	0.00	0.00	0.44	424.63	27	0.00	0.55	0.00	0.00	0.13	128.11
28	0.00	0.00	0.00	0.00	0.35	424.28	28	0.00	0.55	0.00	0.00	0.11	128.55
29	0.00	0.00	0.00	0.00	1.14	423.14	29	0.00	0.55	0.00	0.00	0.35	128.75
30	0.00	0.00	0.00	0.00	0.18	422.96	30	0.00	0.55	0.00	0.00	0.05	129.25
31	0.00	0.00	36.53	0.00	0.24	386.19	31	0.00	6.97	0.00	0.00	0.07	136.15
	0.00	0.00	78.72	0.00	22.91		0.00	30.25	0.00	0.00	0.00	6.42	

SECTION 3

Tyner, Bill

From: Tyner, Bill
Sent: Friday, February 28, 2003 4:51 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; 'Dennis Montgomery, Hill & Robbins'; 'Jim Slattery, Helton & Williamsen'; Witte, Steve; DiDomenico, Charles; Morey, Monique
Subject: Delivery of Article II Water to the Offset Account for LAWMA

February 28, 2003

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 approximately **154.28 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, February 28, 2003. On behalf of LAWMA, 287.5 acre-feet of water will be transferred from LAWMA's Stubbs and XY-Graham Article II accounts. 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 287.5 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	154.28 acre-feet
Return Flow/Transit Loss Subaccount	118.85 acre-feet
Kansas Charge Subaccount	14.37 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 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

February 28, 2003

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

Dear Mark,

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

MESSAGE CONFIRMATION

FEB-28-2003 17:48 FRI

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

FAX NUMBER : 16202769315
PAGE : 001
ELAPSED TIME : 00' 27"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

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OFFICE OF THE STATE ENGINEER

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Bill Owens
Governor
Greg E. Wolcher
Executive Director
Hal D. Simpson, P.E.
State Engineer
Steven J. Wirtz, P.E.
Division Engineer

February 28, 2003

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

Dear Mark,

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

MESSAGE CONFIRMATION

FEB-28-2003 17:51 FRI

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

FAX NUMBER : 17852961176
PAGE : 001
ELAPSED TIME : 00' 26"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

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OFFICE OF THE STATE ENGINEER

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Bill Owens
Governor
Greg E. Walcher
Executive Director
Hal D. Simpson, P.E.
State Engineer
Steven L. Witte, P.E.
Division Engineer

February 28, 2003

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 approximately 154.28 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, February 28, 2003. On behalf of LAWMA, 287.5 acre-feet of water will be transferred from LAWMA's Stubbs and XY-Graham Article II accounts. 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 287.5 acre-feet will be made in the Offset Account.

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Sincerely,

Bill W. Tyner
Assistant Division Engineer



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Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

March 31, 2003

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 **153.99 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **41.34 acre-feet** of water was transferred from the Stubbs Article II account. 20.77 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 11.06 acre-feet was placed in the Return Flow subaccount, 7.44 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account, and 2.07 acre-feet was placed in the Kansas Charge subaccount. A total of **245.62 acre-feet** of water was transferred from the XY-Graham Article II account. 133.22 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 75.56 acre-feet was placed in the Return Flow subaccount, 24.56 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account, and 12.28 acre-feet was placed in the Kansas Charge subaccount..

A copy of the accounting spreadsheet for John Martin Reservoir for February 28, 2003 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 Enclosures 2 and 3, 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 74.6 acre-feet will be released during the next 12 months to deliver 61.40 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.

Option 2: Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the Stubbs Article II water 44.7 % or approximately 18.5 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. Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the X-Y Graham Article II water 36.8 % or approximately 90.4 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 4% or approximately 9.8 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: Stubbs & XY-Graham Article II Accounts.

Time Associated With Transfer

Transfer Made At:

2400 hours, February 28, 2003

Extent Water is Fully Consumable:

LAWMA Stubbs Article II Account water is 67.9% consumable. XY-Graham Article II Account water is 65.7% consumable.

Return Flow Information

Quantity: 86.62 acre-feet

Timing: See previous paragraph.

Location: Return Flow subaccount.

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

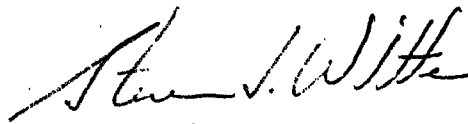
- Release to River
- Transfer to Kansas Article II Account
- Retain in Offset Account

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
Charles DiDomencio
Monique Morey

Enclosure 1

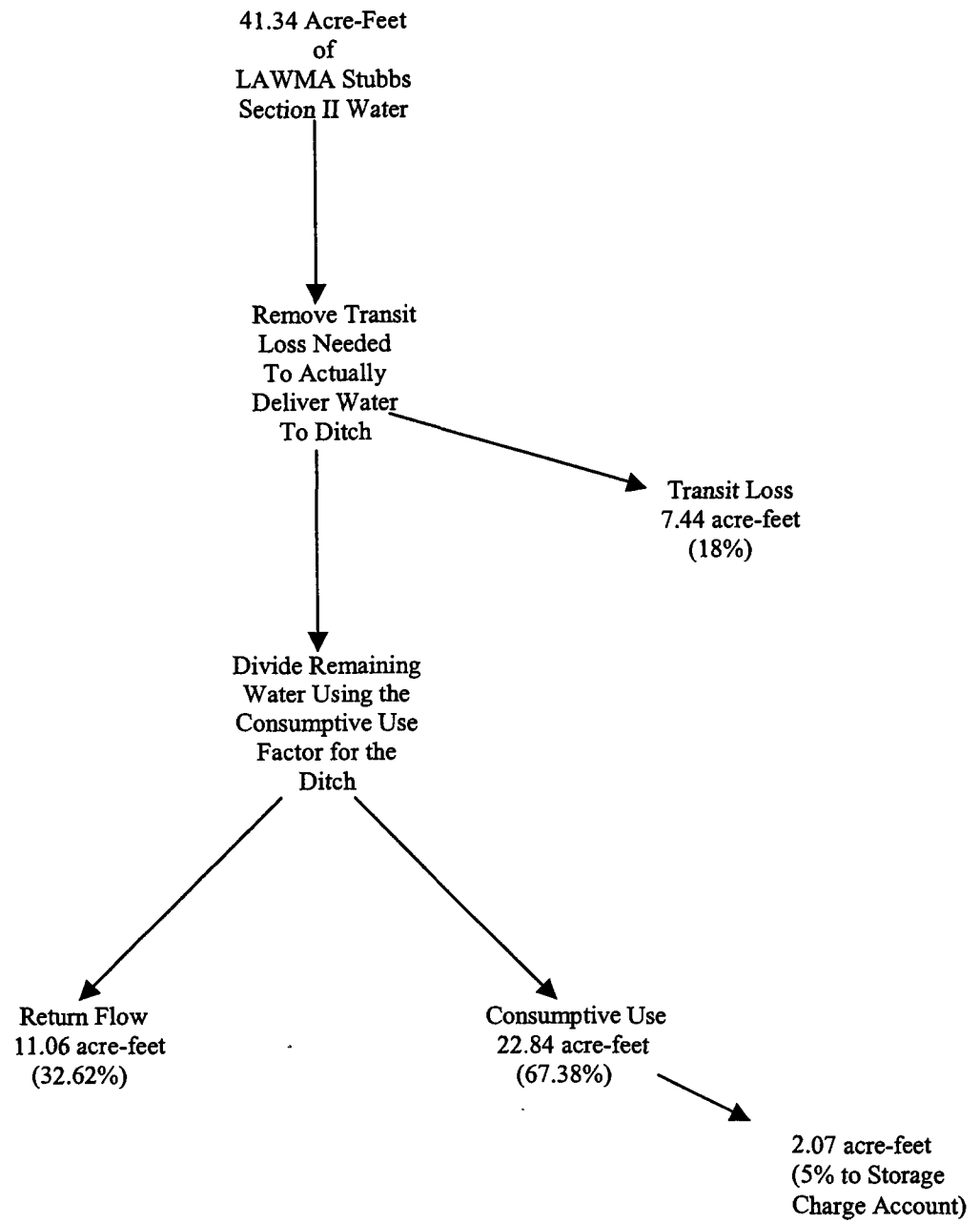
John Martin Reservoir Accounting for February 28, 2003

John Martin Daily Report

2/28/2003

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
19 City/LAMAR	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
3 Summer Compact	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	2/28/2003	7,465.55	182.73	0.00	0.00	0.00	4.65	7,643.63
Other Water								
6 Winter Water	2/28/2003	11,110.76	99.27	0.00	0.00	0.00	6.93	11,203.10
Pool								
5 Permanent Pool	2/28/2003	3,489.16	0.00	0.00	0.00	0.00	2.17	3,486.99
45 Flood Pool	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Totals:		22065.47	282.00	0.00	0.00	0.00	13.75	22333.72
Agreement								
Article III								
32 Amity	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Ft. Lyon	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Las Animas	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored								
36 Keesee	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37 Ft Bent	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38 Amity	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Lamar	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40 Hyde	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41 Manvel	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42 X-Y	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43 Buffalo	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44 Sisson	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62 Stubbs	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
InterState								
8 Kansas	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18 Transit Loss	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored								
21 Keesee	2/28/2003	14.51	0.00	0.00	0.00	0.00	0.01	14.50
22 Ft Bent	2/28/2003	15.06	0.00	0.00	0.00	0.00	0.01	15.05
23 Amity	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hyde	2/28/2003	182.49	0.00	0.00	0.00	0.00	0.11	182.38
26 Manvel	2/28/2003	99.68	0.00	0.00	0.00	0.00	0.06	99.62
27 X-Y	2/28/2003	245.77	0.00	0.00	245.62	0.00	0.15	0.00
28 Buffalo	2/28/2003	1,193.71	0.00	0.00	0.00	0.00	0.74	1,192.97
29 Sisson	2/28/2003	3.91	0.00	0.00	0.00	0.00	0.00	3.91
61 Stubbs	2/28/2003	41.37	0.00	0.00	41.34	0.00	0.03	0.00
Summer Stored								
9 Keesee	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Ft Bent	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hyde	2/28/2003	33.43	0.00	0.00	0.00	0.00	0.02	33.41
14 Manvel	2/28/2003	3,224.61	0.00	0.00	0.00	0.00	2.01	3,222.60
15 X-Y	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16 Buffalo	2/28/2003	3,585.02	0.00	0.00	0.00	0.00	2.23	3,582.79
17 Sisson	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60 Stubbs	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agreement Totals:		8639.55	0.00	0.00	286.96	0.00	5.37	8347.22
OffsetAccount								
Consumable								
52 Upstream	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	2/28/2003	373.80	0.00	153.99	400.56	0.00	0.23	127.00
54 Kansas	2/28/2003	5,025.48	0.00	537.95	0.00	0.00	3.13	5,560.30
55 Kansas Charge	2/28/2003	146.61	0.00	14.35	0.00	0.00	0.09	160.87
ReturnFlow								
57 Return Flow	2/28/2003	1,669.76	0.00	86.62	116.25	0.00	1.04	1,639.09
58 RF Transit Loss	2/28/2003	624.33	0.00	32.00	21.14	0.00	0.39	634.80
59 Unused	2/28/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OffsetAccount Totals:		7839.98	0.00	824.91	537.95	0.00	4.88	8122.06
Reservoir Totals:		38545.00	282.00	824.91	824.91	0.00	24.00	38803.00

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



Enclosure 2

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

Month	Reach 17	Reach 18
Jan	0.0021	0.0211
Feb	0.0017	0.0219
Mar	0.0009	0.0919
Apr	0.0013	0.0646
May	0.0019	0.0613
Jun	0.0013	0.1367
Jul	0.0010	0.2433
Aug	0.0031	0.1519
Sep	0.0047	0.0752
Oct	0.0041	0.0453
Nov	0.0033	0.0318
Dec	0.0026	0.0271
Total	0.0280	0.9721

Table 2**Return Flow Distribution for 11.06 Acre-Feet**

Month	Reach 17	Reach 18
Jan	0.023	0.233
Feb	0.019	0.243
Mar	0.010	1.017
Apr	0.014	0.714
May	0.021	0.678
Jun	0.014	1.512
Jul	0.011	2.690
Aug	0.034	1.680
Sep	0.052	0.831
Oct	0.046	0.501
Nov	0.036	0.352
Dec	0.029	0.299
Total	0.309	10.750

Table 3

Return Flows With Usability Factors Applied

Month	Reach 17	Reach 18
Jan	0.008	0.081
Feb	0.006	0.085
Mar	0.004	0.355
Apr	0.012	0.585
May	0.017	0.555
Jun	0.011	1.238
Jul	0.009	2.203
Aug	0.028	1.376
Sep	0.043	0.681
Oct	0.037	0.410
Nov	0.013	0.123
Dec	0.010	0.104
Total	0.198	7.797

Table 4

Projected Releases From Offset Account

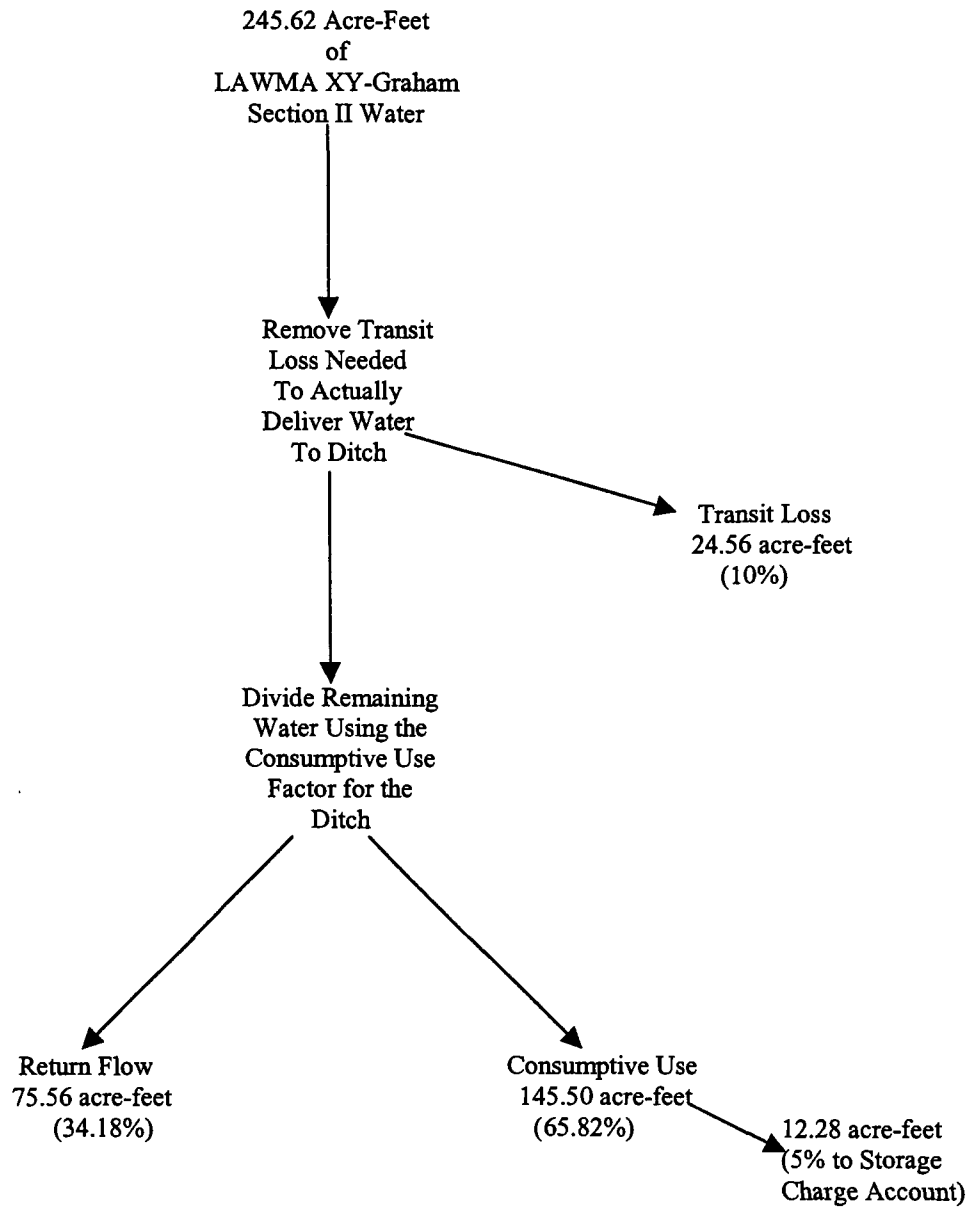
Transit Loss (%)

18%

20%

Month	Reach 17	Reach 18
Jan	0.010	0.102
Feb	0.008	0.106
Mar	0.004	0.443
Apr	0.014	0.731
May	0.021	0.694
Jun	0.014	1.548
Jul	0.011	2.754
Aug	0.034	1.720
Sep	0.052	0.851
Oct	0.045	0.512
Nov	0.015	0.153
Dec	0.012	0.131
Total	0.242	9.746

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



Enclosure 3

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

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
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
Total	0.0017	1.9481	31.3234	64.6676	2.0593

Table 2**Return Flow Distribution for 75.56 Acre-Feet**

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.000	0.121	0.982	2.201	0.127
Feb	0.000	0.114	0.859	1.895	0.112
Mar	0.000	0.108	0.766	1.651	0.099
Apr	0.000	0.097	2.010	4.149	0.081
May	0.000	0.099	2.769	5.438	0.084
Jun	0.000	0.117	3.143	6.204	0.113
Jul	0.000	0.128	3.381	6.748	0.137
Aug	0.000	0.140	2.890	5.817	0.161
Sep	0.000	0.145	2.278	4.748	0.173
Oct	0.000	0.140	1.962	4.205	0.167
Nov	0.000	0.135	1.468	3.201	0.157
Dec	0.000	0.129	1.160	2.604	0.144
Total	0.001	1.472	23.667	48.861	1.556

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

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.000	0.042	0.343	0.768	0.044
Feb	0.000	0.040	0.300	0.661	0.039
Mar	0.000	0.038	0.267	0.576	0.034
Apr	0.000	0.079	1.646	3.398	0.066
May	0.000	0.081	2.268	4.454	0.069
Jun	0.000	0.096	2.574	5.081	0.093
Jul	0.000	0.105	2.769	5.527	0.112
Aug	0.000	0.115	2.367	4.764	0.132
Sep	0.000	0.119	1.866	3.889	0.142
Oct	0.000	0.114	1.607	3.444	0.137
Nov	0.000	0.047	0.512	1.117	0.055
Dec	0.000	0.045	0.405	0.909	0.050
Total	0.001	0.921	16.923	34.588	0.974

Table 4**Projected Releases From Offset Account**

Month	Transit Loss (%)				
	12%	14%	16%	18%	20%
Reach 14					
Jan	0.000	0.049	0.408	0.937	0.055
Feb	0.000	0.046	0.357	0.807	0.049
Mar	0.000	0.044	0.318	0.703	0.043
Apr	0.000	0.092	1.960	4.144	0.083
May	0.000	0.095	2.700	5.431	0.086
Jun	0.000	0.111	3.064	6.196	0.116
Jul	0.000	0.122	3.297	6.740	0.140
Aug	0.000	0.133	2.818	5.810	0.165
Sep	0.000	0.138	2.221	4.743	0.178
Oct	0.000	0.133	1.913	4.200	0.171
Nov	0.000	0.055	0.610	1.362	0.069
Dec	0.000	0.052	0.482	1.108	0.063
Total	0.001	1.070	20.147	42.180	1.217



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 31, 2003

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. LAWMA purchased fully consumable water from CWPDA associated with dryup of a portion of the Rocky Ford Ditch. The Fort Lyon Canal Company has arranged to divert the water delivered by LAWMA in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company will allow LAWMA to utilize the 1000 acre-feet of Section III water immediately as fully consumable and will take delivery of fully consumable water at various times throughout the irrigation season at their headgate as if it were not fully consumable. The transfer from the Section III account will be made at 2400 hrs, March 31, 2003.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

Tyner, Bill

From: Tyner, Bill
Sent: Monday, March 31, 2003 4:56 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; 'Jim Slattery, Helton & Williamsen'; Witte, Steve
Subject: Delivery of Storage Charge to Offset Account

March 31, 2003

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. LAWMA purchased fully consumable water from CWPDA associated with dryup of a portion of the Rocky Ford Ditch. The Fort Lyon Canal Company has arranged to divert the water delivered by LAWMA in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company will allow LAWMA to utilize the 1000 acre-feet of Section III water immediately as fully consumable and will take delivery of fully consumable water at various times throughout the irrigation season at their headgate as if it were not fully consumable. The transfer from the Section III account will be made at 2400 hrs, March 31, 2003.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

MESSAGE CONFIRMATION

MAR-31-2003 17:46 MON

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

FAX NUMBER : 16202769315
PAGE : 001
ELAPSED TIME : 00' 29"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

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

March 31, 2003

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. LAWMA purchased fully consumable water from CWPDA associated with dryup of a portion of the Rocky Ford Ditch. The Fort Lyon Canal Company has arranged to divert the water delivered by LAWMA in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company will allow LAWMA to utilize the 1000 acre-feet of Section III water immediately as fully consumable and will take delivery of fully consumable water at various times throughout the irrigation season at their headgate as if it were not fully consumable. The transfer from the Section III account will be made at 2400 hrs, March 31, 2003.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

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

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

MESSAGE CONFIRMATION

MAR-31-2003 17:49 MON

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

FAX NUMBER : 17852961176
PAGE : 001
ELAPSED TIME : 00' 29"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

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

March 31, 2003

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. LAWMA purchased fully consumable water from CWPDA associated with dryup of a portion of the Rocky Ford Ditch. The Fort Lyon Canal Company has arranged to divert the water delivered by LAWMA in exchange for water in its Section III account in John Martin Reservoir. Under the terms of the agreement, Fort Lyon Canal Company will allow LAWMA to utilize the 1000 acre-feet of Section III water immediately as fully consumable and will take delivery of fully consumable water at various times throughout the irrigation season at their headgate as if it were not fully consumable. The transfer from the Section III account will be made at 2400 hrs, March 31, 2003.

Kansas Storage Charge Subaccount	500 acre-feet
Colorado Downstream Consumable Water Subaccount	500 acre-feet
Return Flow Subaccount	N/A
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the transfer into the Offset Account.

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

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



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Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

April 4, 2003

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 delivered 1000 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 and for the purpose of replacing depletions to usable stateline flow.

LAWMA purchased fully consumable water from CWPDA associated with dryup of a portion of the Rocky Ford Ditch as shown in the agreement at Enclosure 1. The Fort Lyon Canal Company has arranged to divert the water delivered by LAWMA in exchange for water in its Section III account in John Martin Reservoir (See Enclosure 2). Under the terms of the agreement, Fort Lyon Canal Company will allow LAWMA to utilize the 1000 acre-feet of Section III water immediately as fully consumable and will take delivery of fully consumable water at various times throughout the irrigation season at their headgate as if it were not fully consumable.

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

Source of Water Delivered: Fully Consumable Water from Rocky Ford Ditch Dryup.

Time Associated With Transfer

Transfer Made At:

2400 hours, 31 March, 2003

Flow Rates Associated With Delivery (See Enclosure 2)

Extent Water is Fully Consumable:

Fully consumable water provided to LAWMA via CWPDA lease.

Return Flow Information

Quantity: Not Applicable

Timing: Not Applicable

Location: Not Applicable

The John Martin Reservoir Accounting report for March 31, 2003 is included at Enclosure 3 and shows the transfer of the water and its placement into the Kansas Storage Charge and Colorado Downstream Consumable Water subaccounts of 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

3 Enclosures

cc: Mark Rude

John Draper

Dale Book

Hal Simpson

Dennis Montgomery

Don Higbee

Jim Slattery

Dale Straw

Charlie DiDomenico

Bill Tyner

Enclosure 1

CWPDA Agreement with LAWMA

CONTRACT

This Contract is entered into this by and between Colorado Water Protective and Development Association, a Colorado non-profit corporation ("CWPDA") and Lower Arkansas Water Management Association, a Colorado non-profit corporation ("LAWMA").

RECITALS

CWPDA has entered into a contract with the City of Aurora ("Aurora"), whereby Aurora will sublease to CWPDA Rocky Ford Ditch water that Aurora has leased from certain shareholders of the Rocky Ford Ditch Company, a copy of which is attached hereto ("Aurora Contract").

CWPDA has entered into contracts with certain of its members that receive municipal allocations of Fryngpan-Arkansas Project water ("Project Water") and the Pueblo Board of Water Works ("PBWW") ("Pueblo Contracts"). LAWMA has entered into similar contracts with PBWW and the City of Lamar, which is a member of LAWMA and which has Project Water allocations, to assign the City of Lamar's 1,200-acre-feet of Project Water to LAWMA for subsequent assignment to PBWW.

The net effect of these contracts is that Project water allocated to CWPDA's municipal members and to the City of Lamar will be assigned to PBWW, and non-project water owned by PBWW will be delivered to Aurora, and Rocky Ford Ditch water leased by Aurora will be subleased to CWPDA.

The parties hereto desire an arrangement whereby some of the Rocky Ford Ditch water subleased to CWPDA by Aurora pursuant to the Aurora Contract will be subleased by CWPDA to LAWMA.

The parties, therefore, in mutual consideration of the covenants and agreements contained herein, the sufficiency of which is hereby acknowledged, agree as follows:

1. CWPDA will sublease to LAWMA 30.16 percent of the Rocky Ford Ditch water that is subleased to CWPDA by Aurora pursuant to the Aurora Contract, after the delayed return flows and associated evaporation have been deducted from such subleased water.
2. CWPDA will store the delayed return flows attributable to the Rocky Ford Ditch water that is sublet to LAWMA and will release such to the Winter Water Storage Program of the river, as required. LAWMA will promptly reimburse CWPDA for the storage costs associated with storing LAWMA's share of the delayed return flows.

2. LAWMA will use the Rocky Ford Ditch water delivered to it pursuant to this agreement in its Replacement Plan or in an individual members' substitute supply plan to replace depletions from its members' wells or other structures, for subsequent assignment or for delivery to the Offset Account in John Martin Reservoir. LAWMA shall be responsible for requesting and obtaining approval for its use of the Rocky Ford Ditch water delivered to it pursuant to this agreement. LAWMA shall be responsible for providing for any post-Replacement Plan depletions.

3. Upon execution of this Contract, LAWMA shall pay CWPDA \$ _____ for its administration of the delayed return flows, and to reimburse CWPDA for a portion of its legal and engineering fees and expenses for facilitating these contractual arrangements.

*an amount yet to be determined
CWF*

4. This Contract will terminate on the date that the Aurora Contract terminates, and may be extended if the Aurora Contract is extended, upon written agreement of the parties.

5. CWPDA shall provide LAWMA with copies of all accounting records related to delivery of the Rocky Ford Ditch water that are provided by Aurora to CWPDA under the Aurora Contract within 7 days of receipt of the same by CWPDA.

Dated: 3/28/03

Colorado Water Protective and Development Association

Lower Arkansas Water Management Association

By: *Clay Williams*
President

By: *Will Johnson*
President

Enclosure 2

Fort Lyon Canal Agreement with LAWMA

ASSIGNMENT AND BILL OF SALE AND AGREEMENT

This Assignment and Bill of Sale and Agreement ("Assignment and Agreement") is made and entered into this 28th day of March, 2003 between the Fort Lyon Canal Company ("Fort Lyon") whose address is 750 Bent Avenue, Las Animas, Colorado 81054, and Lower Arkansas Water Management Association, a Colorado non-profit corporation ("LAWMA"), whose address is P. O. Box 1161, Lamar, Colorado 81052.

RECITALS

- A. Whereas, pursuant to Article III.B. of the "Resolution Concerning an Operating Plan for John Martin Reservoir" first adopted by the Arkansas River Compact Administration on April 24, 1980, and amended on May 10, 1984 and December 11, 1984 ("1980 Operating Plan") Fort Lyon owns the right, title and interest, including contract rights, to store water in an account in John Martin Reservoir referred to herein as the "Fort Lyon Article III Account"; and
- B. Whereas, Colorado Water Protective and Development Association ("CWPDA") has entered into a contract with the City of Aurora ("Aurora") whereby Aurora will sublease to CWPDA fully-consumable Rocky Ford Ditch water right that Aurora has leased from certain shareholders of the Rocky Ford Ditch Company (the "Aurora Contract"); and
- C. Whereas, pursuant to a contract between LAWMA and CWPDA (the "CWPDA Contract"), CWPDA has subleased to LAWMA 30.16% of the Rocky Ford Ditch water that is subleased to CWPDA by Aurora pursuant to the Aurora Contract;
- D. Whereas, Fort Lyon may not be able to exchange its Fort Lyon Article III Account water from John Martin Reservoir upstream to its Arkansas River headgate due to river conditions during the 2003 irrigation season and, therefore, desires to assign to LAWMA 1500 acre-feet of its Fort Lyon Article III Account water in John Martin Reservoir in exchange for LAWMA's assignment of 1500 acre-feet of its subleased Rocky Ford Ditch water that will be delivered to LAWMA pursuant to the CWPDA Contract at the Rocky Ford augmentation station on Timpas Creek upstream of the Fort Lyon headgate; and
- E. Whereas, LAWMA is willing to assign to Fort Lyon 1500 acre-feet of the Rocky Ford Ditch water subleased to LAWMA pursuant to the CWPDA Contract in exchange for Fort Lyon's assignment to LAWMA of

1500 acre-feet of Fort Lyon Article III Account water in John Martin Reservoir.

NOW THEREFORE, in consideration of the covenants and agreements contained herein, Fort Lyon and LAWMA desire to make this Assignment and Bill of Sale and Agreement as provided herein:

1. LAWMA hereby grants, bargains, conveys and assigns to Fort Lyon all of its right and interest, including contract rights, to the initial use of 1500 acre-feet of the Rocky Ford Ditch water subleased to LAWMA pursuant to the CWPDA Contract. Said Rocky Ford Ditch water shall be used by Fort Lyon only for agricultural irrigation purposes on lands historically irrigated under the Fort Lyon Canal. (summary entitled "LAWMA-Fort Lyon Exchange attached hereto)
2. Fort Lyon agrees that it shall have no right to recapture, reuse or otherwise consume the return flows attributable to its initial use of the above-assigned 1500 acre-feet of Rocky Ford Ditch water for agricultural irrigation purposes and that said return flows shall accrue to the Arkansas River system.
3. In exchange for the above-assignment to Fort Lyon of 1500 acre-feet of the Rocky Ford Ditch water subleased to LAWMA pursuant to the CWPDA Contract, Fort Lyon hereby grants, bargains, conveys and assigns to LAWMA all of its right, title and interest, including contract rights, to 1500 acre-feet of Fort Lyon Article III Account water in John Martin Reservoir. Fort Lyon shall deliver the 1500 acre-feet of Fort Lyon Article III Account water assigned herein to LAWMA as set forth below:
 - a. 1,000 acre-feet of Fort Lyon Article III Account water in John Martin Reservoir assigned herein shall be delivered to LAWMA upon the execution of this Assignment and Agreement by the parties hereto.
 - b. Fort Lyon shall retain 500 acre-feet of Fort Lyon Article III Account water assigned herein in storage in John Martin Reservoir until the end of the 2003 irrigation season (the "Retained Water"). The Retained Water shall be delivered by Fort Lyon to LAWMA at the end of the 2003 irrigation season or as otherwise mutually agreed to by the parties and no later than November 15, 2003. Provided, however, that if the Rocky Ford water subleased to LAWMA and assigned to Fort Lyon herein does not yield at least 1500 acre-feet during the 2003 irrigation season, then Fort Lyon's obligation to deliver the Retained Water to LAWMA in accordance with this Section 3.b. shall be proportionately reduced based on the actual yield of said Rocky Ford Ditch water during

the 2003 irrigation season as determined by Duane D. Helton of Helton & Williarasen, P.C. based upon Division 2 records and in consultation with Fort Lyon.

4. LAWMA agrees that if the Rocky Ford Ditch water assigned herein to Fort Lyon does not yield at least 1,000 acre-feet at the point at which said water is discharged from the Rocky Ford augmentation station to Timpas Creek, plus the transit loss to the Fort Lyon headgate, then LAWMA will reimburse Fort Lyon for such deficit with water in John Martin Reservoir or other water as soon as is practicable for LAWMA to do so.
5. Fort Lyon agrees that any Rocky Ford ditch water available to LAWMA but not diverted by Fort Lyon will revert to LAWMA for its use or disposition.
6. LAWMA and Fort Lyon agree that upon execution of this Assignment and Bill of Sale and Agreement they will take whatever action is necessary and execute any documents required to carry out the water assignments as contemplated herein.
7. Fort Lyon and LAWMA represent and warrant that they have the necessary authority to enter into this Assignment and Bill of Sale and Agreement and that any required consent or approvals to do so have been obtained.
8. This Agreement is subject to approval by the Division 2 Engineer.

This Assignment and Bill of Sale and Agreement is made on the date above-indicated.

LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION

By 
William A. Grasmuck, President

FORT LYON CANAL COMPANY

By 
Manny Torres, Superintendent

Enclosure 3

John Martin Reservoir Accounting for March 31, 2003

John Martin Daily Report

03/31/2003

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
19 City/LAMAR	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
3 Summer Compact	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	03/31/2003	11,692.54	188.00	0.00	0.00	0.00	13.17	11,867.37
Other Water								
6 Winter Water	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
5 Permanent Pool	03/31/2003	3,382.73	0.00	0.00	0.00	0.00	3.82	3,378.91
45 Flood Pool	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals:		15075.27	188.00	0.00	0.00	0.00	16.99	15246.28
Agreement								
Article III								
32 Amity	03/31/2003	2,613.05	0.00	0.00	0.00	0.00	2.95	2,610.10
33 Ft. Lyon	03/31/2003	5,435.59	0.00	0.00	1,000.00	0.00	6.13	4,429.46
34 Las Animas	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmnt Winter Stored								
36 Keesee	03/31/2003	31.00	0.00	0.00	0.00	0.00	0.03	30.97
37 Ft Bent	03/31/2003	133.48	0.00	0.00	0.00	0.00	0.15	133.33
38 Amity	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Lamar	03/31/2003	267.04	0.00	0.00	0.00	0.00	0.30	266.74
40 Hyde	03/31/2003	17.48	0.00	0.00	0.00	0.00	0.02	17.46
41 Manvel	03/31/2003	32.35	0.00	0.00	0.00	0.00	0.04	32.31
42 X-Y	03/31/2003	68.78	0.00	0.00	0.00	0.00	0.08	68.70
43 Buffalo	03/31/2003	114.60	0.00	0.00	0.00	0.00	0.13	114.47
44 Sisson	03/31/2003	11.73	0.00	0.00	0.00	0.00	0.01	11.72
62 Stubbs	03/31/2003	4.60	0.00	0.00	0.00	0.00	0.01	4.59
InterState								
8 Kansas	03/31/2003	625.92	0.00	0.00	0.00	0.00	0.71	625.21
18 Transit Loss	03/31/2003	2,342.26	0.00	0.00	0.00	0.00	2.64	2,339.62
Prev Winter Stored								
21 Keesee	03/31/2003	14.18	0.00	0.00	0.00	0.00	0.02	14.16
22 Ft Bent	03/31/2003	14.63	0.00	0.00	0.00	0.00	0.02	14.61
23 Amity	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hyde	03/31/2003	176.94	0.00	0.00	0.00	0.00	0.20	176.74
26 Manvel	03/31/2003	96.62	0.00	0.00	0.00	0.00	0.11	96.51
27 X-Y	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Buffalo	03/31/2003	1,157.29	0.00	0.00	0.00	0.00	1.31	1,155.98
29 Sisson	03/31/2003	3.90	0.00	0.00	0.00	0.00	0.00	3.90
61 Stubbs	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored								
9 Keesee	03/31/2003	31.16	0.00	0.00	0.00	0.00	0.04	31.12
10 Ft Bent	03/31/2003	134.17	0.00	0.00	0.00	0.00	0.15	134.02
11 Amity	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	03/31/2003	268.46	0.00	0.00	0.00	0.00	0.30	268.16
13 Hyde	03/31/2003	50.07	0.00	0.00	0.00	0.00	0.06	50.01
14 Manvel	03/31/2003	3,158.79	0.00	0.00	0.00	0.00	3.56	3,155.23
15 X-Y	03/31/2003	69.15	0.00	0.00	0.00	0.00	0.08	69.07
16 Buffalo	03/31/2003	3,590.91	0.00	0.00	0.00	0.00	4.05	3,586.86
17 Sisson	03/31/2003	11.79	0.00	0.00	0.00	0.00	0.01	11.78
60 Stubbs	03/31/2003	4.62	0.00	0.00	0.00	0.00	0.01	4.61
Totals:		20480.54	0.00	0.00	1000.00	0.00	23.12	19457.42
OffsetAccount								
Consumable								
52 Upstream	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	03/31/2003	123.18	0.00	500.00	595.22	0.00	0.14	27.82
54 Kansas	03/31/2003	5,394.06	0.00	648.38	0.00	0.00	6.09	6,036.35
55 Kansas Charge	03/31/2003	156.05	0.00	500.00	0.00	0.00	0.18	655.87
ReturnFlow								
57 Return Flow	03/31/2003	1,590.08	0.00	0.00	44.28	0.00	1.79	1,544.01
58 RF Transit Loss	03/31/2003	615.82	0.00	0.00	8.88	0.00	0.69	606.25
59 Unused	03/31/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals:		7879.19	0.00	1648.38	648.38	0.00	8.89	8870.30
Reservoir Totals:		43435.00	188.00	1648.38	1648.38	0.00	49.00	43574.00



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

April 16, 2003

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 delivery of water to the Offset Account in John Martin Reservoir. The Lower Arkansas Water Management Association (LAWMA) has amended their Arkansas River replacement plan to include the use of consumptive use water associated with dryup of lands under the Keesee Ditch for this plan year. A copy of the text of the amendment approval is attached to the faxed copy of this letter. Beginning on April 16, 2003, LAWMA will deliver fully consumable water associated with the Keesee Ditch water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The delivery throughout 2003 is expected to total approximately 3,200 acre-feet to be used for well augmentation and replacement of winter return flows. The amendment approval letter describes the disposition of return flows associated with the consumable portion of the Keesee Ditch water right.

Colorado Downstream Consumable Water Subaccount	Approximately 3,200 acre-feet
Return Flow Subaccount	3.75% of consumable water for winter return flows
Return Flow Transit Loss Subaccount	N/A

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

Tyner, Bill

From: Tyner, Bill
Sent: Wednesday, April 16, 2003 5:26 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; 'Jim Slattery, Helton & Williamsen'; 'Dennis Montgomery, Hill & Robbins'; Witte, Steve
Subject: Notice of Delivery to the Offset Account

April 16, 2003

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

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Sincerely,

Bill W. Tyner
Assistant Division Engineer

MESSAGE CONFIRMATION

APR-16-2003 17:33 WED

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

FAX NUMBER : 17852961176
 PAGE : 005
 ELAPSED TIME : 01' 39"
 MODE : G3 STD ECM
 RESULTS : [O.K]

STATE OF COLORADO

WATER DIVISION 2
 OFFICE OF THE STATE ENGINEER

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

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



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

April 16, 2003

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

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Sincerely,

 Bill W. Tynor
 Assistant Division Engineer

Post-It Fax Note	7671	Date	4/16/03	# of pages	5
To	DAVID POPE	From	BILL TYNER		
Co./Dept.	KANSAS DWR	Co.	COLORADO DWR		
Phone #		Phone #	719-542-3868 x110		
Fax #		Fax #			

MESSAGE CONFIRMATION

APR-16-2003 17:26 WED

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

FAX NUMBER : 16202769315
PAGE : 005
ELAPSED TIME : 01'41"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

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

April 16, 2003

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

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



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Bill Owens
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Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

April 23, 2003

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.

The Lower Arkansas Water Management Association (LAWMA) has amended their Arkansas River replacement plan to include the use of consumptive use water associated with dryup of lands under the Keesee Ditch for the 2003-04 plan year for the purpose of replacing depletions to usable stateline flow (Enclosure 1).

LAWMA will deliver fully consumable water associated with the Keesee Ditch water right to the Offset Account per the provisions of Paragraph 14 of the **Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998** ("Resolution"). The delivery throughout 2003 is expected to total approximately 3,200 acre-feet to be used for well augmentation and replacement of winter return flows.

On a daily basis, during times when John Martin Reservoir is not in conservation storage, the amount of native inflow available to be delivered to the Keesee Ditch under the priority system will be determined in consideration of all Water District 67 ditch demands. Once the amount of water available to the Keesee Ditch has been determined, the following monthly consumptive use factors will be applied in order to determine the amount to store in the Offset Account as fully consumable:

Month	April	May	June	July	August	September	October
CU Factor	80%	76.7%	78.3%	77.1%	70.3%	63.1%	55.2%

Of the consumable water delivered, on a daily basis, LAWMA will place 3.75% in the Keesee Winter portion of the Return Flow subaccounts. LAWMA will make up any evaporation from this subaccount on a monthly basis with consumable water. These return flows will be booked into conservation storage on November 1, 2003.

The balance of the return flows and transit loss will be released as part of the daily gate calculated amounts. Theoretical return flows will also be modeled periodically to compare the appropriateness of the timing of return flows that are passed on a daily basis to ensure delivery will correlate with historic practice.

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

Source of Water Delivered: Fully Consumable Water from Keesee Ditch Dryup.

Time Associated With Delivery

Delivery Made At: April 16, 2003 through October 31, 2003 during times when John Martin is not in conservation storage

Flow Rates for Delivery: In priority amounts based on inflows

Extent Water is Fully Consumable: Fully consumable water as computed with monthly consumptive use factors applied to in-priority amounts

Return Flow Information

Quantity: Remainder of in-priority amount less consumptive use

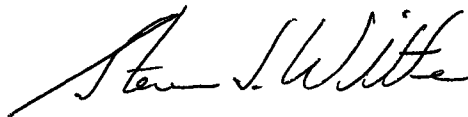
Timing: Daily with winter component reserved

Location: Released through gate or booked to conservation storage for November-March return flows

The John Martin Reservoir Accounting report will show inflows of Keesee Ditch water on a daily basis to the Colorado Downstream Consumable Water subaccount and corresponding transfer of winter return flows to the Keesee Winter subaccount of the Offset Account. A summary letter will be provided showing daily in-priority determinations and computation of consumptive use and winter return flow amounts at the conclusion of the irrigation season.

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

Sincerely,



Steven J. Witte
Division Engineer
Colorado Division of Water Resources

Enclosure

cc: Kevin Salter John Draper Dale Book
 Hal Simpson Dennis Montgomery Don Higbee
 Jim Slattery Dale Straw Charlie DiDomenico Bill Tyner

Enclosure 1

**Amendment #1 to the Lower Arkansas Water Management Association Arkansas
River Replacement Plan for 2003-2004**

STATE OF COLORADO

OFFICE OF THE STATE ENGINEER

Division of Water Resources
Department of Natural Resources

1313 Sherman Street, Room 818
Denver, CO 80203
Phone (303) 866-3581
FAX (303) 866-3589



Bill Owens
Governor

Greg E. Walcher
Executive Director, DNR

Hal D. Simpson, P.E.
State Engineer

April 15, 2003

Don Higbee
Lower Arkansas Water Management Assoc.
307 5th St.
Lamar, CO 81052

James Slattery
Helton & Williamsen, P.C.
384 Inverness Parkway, Suite 144.
Englewood, CO 80112

RE: Lower Arkansas Water Management Association
Arkansas River Replacement Plan Amendment #1

Dear Don Higbee and James Slattery:

We have reviewed your April 4, 2003 (Enclosure 1) submittal on behalf of the Lower Arkansas Water Management Association (LAWMA) and your subsequent modification by e-mail on April 11, 2003, requesting an amendment to the Arkansas River Replacement Plan which was approved on March 28, 2003 pursuant to 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. The amendment is to add a new replacement source.

The LAWMA sources of replacement water remain unchanged from the March 28, 2003 approval letter except as modified below.

1. **Consumptive use credits from Keesee Ditch.** LAWMA has leased the Keesee Ditch water rights for the next two years. Consumptive use credits from the water right are proposed to be used to augment LAWMA well depletions, primarily through delivery to the Offset Account. The estimated yield associated with the Keesee Ditch water right for the 2003-04 plan year is 3,270 acre-feet.

The conditions in the March 28, 2003 approval letter are modified to include the following conditions related to this replacement source:

1. On a daily basis the Division 2 River and Reservoir Operation staff will determine the amount of native inflow available to the Keesee Ditch water rights under the priority system during all times when John Martin Reservoir is not in conservation storage. In lieu of releasing the water to be picked up by the Keesee Ditch, the consumptive use and winter return flow obligation will be stored in the Offset Account. During times when John Martin Reservoir is in conservation storage, no credits will be allowed unless the Keesee Ditch water is diverted at the historic ditch headgate, measured and returned to the Arkansas River. Credits available to LAWMA during times of conservation storage will be determined for LAWMA at an on farm augmentation station as directed by the Division Engineer and will not be stored, but can be credited against depletions occurring during the month of diversion. The augmentation station will measure the amount of water actually diverted at the Keesee Ditch headgate and returned to the river system from the farm lateral.
2. The amount of Keesee Ditch water delivered to LAWMA in this manner will be calculated and accounted for as follows:
 - a. During the months of April through October when John Martin Reservoir is not in conservation storage, the amount of native water determined to be in priority and available to the Keesee Ditch will be subject to the monthly consumptive use factors in the table below. These factors will determine the percentage of the daily water rights in priority that the Keesee Ditch could have diverted that would have been consumed. The consumable portion of the daily flow will be stored in the Colorado Downstream Consumable subaccount of the Offset Account. In order to compensate for winter return flows, 3.75% of the consumable water will be transferred to a winter return flow subaccount for later bookover to conservation storage on November 1, 2003. Evaporation losses to the winter return flow subaccount will be made up on a monthly basis from stored consumable water. The return flows associated with the daily amount determined to be in priority and available to the Keesee Ditch will be released on a daily basis. A comparison of the quantity of return flows delivered will be compared to a modeled return flow pattern to ensure that no significant differences in return flow timing occurs that would injure other water rights or cause depletions to usable stateline flow.

Month	April	May	June	July	August	September	October
CU Factor	80%	76.7%	78.3%	77.1%	70.3%	63.1%	55.2%

- b. Deliveries of Article II water associated with the Keesee Ditch may also be delivered to the Offset Account at LAWMA's discretion using the average annual consumptive

use factor of 64.9%. Return flows associated with Article II deliveries will be placed in the return flow portion of the Offset Account along with return flow transit loss water in order to deliver the return flows on an average monthly basis that reflects historic return flow patterns.

- c. The maximum annual credit allowable under the Keesee Ditch water right will be 3,655 acre-feet (3,522 acre-feet of consumable water to LAWMA plus 123 acre-feet to winter return flows). The maximum ten-year credit limit will be 32,700 acre-feet (Average annual credit of 3,270 acre-feet times ten years).
3. LAWMA shall be responsible for monitoring compliance with the dry-up requirements as listed below. All lands historically irrigated by the Keesee Ditch shares will be removed from irrigation. No diversions for irrigation or revegetation of these lands shall be made either at the ditch headgate or from wells on the lands during the period of dryup, unless approved under an amendment to the LAWMA replacement plan.
 - a. Maps indicating individual dryup fields have been submitted with this amendment request. Parcels designated for dryup under this amendment will remain as dryup parcels throughout the LAWMA 2003-2004 Rule 14 Plan year from April 1, 2003 to March 31, 2004. Parcels designated to receive sole source well water have been indicated on the dryup mapping. Sole source wells serving these parcels will be assessed a depletion factor of 67.1% as associated with the on-farm consumptive use factor of the surface water removed for flood irrigation or 75% for sprinkler irrigation.
 - b. Parcels indicated to receive Fort Bent Ditch water can only be irrigated from that source if documentation is provided to prove that these parcels were irrigated only with Fort Bent shares in the past or that the shares associated with the Fort Bent Ditch have been moved from separate parcels under the Fort Bent Ditch. Maps of the dryup parcels from which the Fort Bent shares have been removed under the Fort Bent Ditch must be provided within thirty days of approval of this amendment. Alternatively, if the Fort Bent Ditch shares have historically been used as a supplemental source to the Keesee Ditch water, an analysis to show the reduction in credit for the Keesee Ditch shares associated with these parcels may be provided within 30 days to allow the use of the Fort Bent Ditch shares as a primary surface water supply to these parcels.
 - c. All parcels of dried up land are subject to inspection during the irrigation season to verify dry-up. The final verification of dry-up will be in the form of an affidavit signed by an individual having personal knowledge of the dry-up for this Plan Year's entire irrigation season for each parcel of land listed in the approved Replacement Plan, along with mapping showing any revisions that occurred during the Plan Year. Steps must be taken as directed by Division of Water Resources water commissioners to ensure that no accidental discharge of water onto individual fields occurs if inspections reveal a risk of accidental irrigation. Any field found to have been irrigated during the period of dryup would be immediately removed from computations for credits.

- d. All affidavits must be provided to the Division Engineer by November 15, 2003 in order that the final determination of augmentation credits for the irrigation season can be made.
- e. Credit from dryup fields containing alfalfa will be assessed as described in Condition 6 of the LAWMA approval letter.

An amendment to the plan as approved in the March 28, 2003 letter is hereby approved to add the use of replacement credits associated with the Keesee Ditch. The conditions of approval in the March 28, 2003 letter remain in effect.

If you have any questions do not hesitate to contact any of my staff in Denver or Pueblo.

Sincerely,


Hal D. Simpson
State Engineer

1 Enclosure

cc: Steve Witte, Division Engineer
David W. Robbins, Hill & Robbins
John B. Draper, Montgomery & Andrews
Dale E. Book, Spronk Water Engineers
William Grasmick, LAWMA Board
Kevin L. Salter, Kansas Division of Water Resources



STATE OF COLORADO

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

310 East Abriendo, Suite B
Pueblo, Colorado 81004
Phone: (719) 542-3368
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Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

April 24, 2003

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 approximately **188.1 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, April 24, 2003. On behalf of LAWMA, 418 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 418 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	188.1 acre-feet
Return Flow/Transit Loss Subaccount	229.9 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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, April 24, 2003 3:41 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; 'Jim Slattery, Helton & Williamsen'; 'Dennis Montgomery, Hill & Robbins'; 'Kevin Salter'; Witte, Steve
Subject: Notice of Transfer to the Offset Account

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

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Assistant Division Engineer

MESSAGE CONFIRMATION

APR-24-2003 15:29 THU

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

FAX NUMBER : 16202769315
PAGE : 001
ELAPSED TIME : 00' 25"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

WATER DIVISION 2
OFFICE OF THE STATE ENGINEER

318 East Alameda, Suite B
Pueblo, Colorado 81004
Phone: (719) 542-3348
FAX: (719) 544-0800

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

April 24, 2003

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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 approximately 188.1 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, April 24, 2003. On behalf of LAWMA, 418 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 418 acre-foot will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	188.1 acre-feet
Return Flow/Transit Loss Subaccount	229.9 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

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

MESSAGE CONFIRMATION

APR-24-2003 15:31 THU

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

FAX NUMBER : 17852961176
PAGE : 001
ELAPSED TIME : 00' 26"
MODE : G3 STD ECM
RESULTS : [O.K]

STATE OF COLORADO

WATER DIVISION 2
OFFICE OF THE STATE ENGINEER

310 East Alameda, Suite 8
Pueblo, Colorado 81004
Phone: (719) 542-3348
FAX: (719) 544-0800

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



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

April 24, 2003

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 approximately 188.1 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, April 24, 2003. On behalf of LAWMA, 418 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 418 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	188.1 acre-feet
Return Flow/Transit Loss Subaccount	229.9 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,
Bill W. Tynar
Bill W. Tynar
Assistant Division Engineer

Post-It Fax Note	7671	Date	4/24/03 12:31 PM
To	DAVID POPE	From	BILL TYNER
Co./Dept.	KANSAS DWR	Co.	COLORADO DWR
Phone 1		Phone 2	719-542-3348 X10
Fax 1		Fax 2	



STATE OF COLORADO

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Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

May 5, 2003

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 **188.1 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **418 acre-feet** of water was transferred from the Lamar Article II account. 188.1 acre-feet of fully consumable water was placed in the Colorado downstream consumable subaccount, 188.1 acre-feet was placed in the Return Flow subaccount, and 41.8 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 April 24, 2003 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 148.9 acre-feet will be released during the next 12 months to deliver 127.6 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, for the Lamar Article II water 40.8 % or approximately 76.7 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 26.7 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: Lamar Article II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, April 24, 2003

Extent Water is Fully Consumable:

LAWMA Lamar Article II Account water is 50% consumable.

Return Flow Information

Quantity: 188.1 acre-feet

Timing: See previous paragraph.

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

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,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with a large initial "S" and "W".

Steven J. Witte
Division Engineer
Colorado Division of Water Resources

2 Enclosures

cc: Kevin Salter
John Draper
Dale Book
Hal Simpson
Dennis Montgomery
Wendy Weiss
Don Higbee
Jim Slattery
Dale Straw
Charlie DiDomenico
Bill Tyner

Enclosure 1

John Martin Reservoir Accounting for April 24, 2003

John Martin Daily Report

4/24/2003

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
19 City/LAMAR	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
3 Summer Compact	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
6 Winter Water	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
5 Permanent Pool	4/24/2003	3,266.92	0.00	0.00	0.00	0.00	3.58	3,263.34
45 Flood Pool	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Totals:		3266.92	0.00	0.00	0.00	0.00	3.58	3263.34
Agreement								
Article III								
32 Amity	4/24/2003	2,523.60	0.00	0.00	0.00	0.00	2.76	2,520.84
33 Ft. Lyon	4/24/2003	4,282.67	0.00	0.00	0.00	0.00	4.69	4,277.98
34 Las Animas	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored								
36 Keesee	4/24/2003	188.19	0.00	0.00	0.00	0.00	0.21	187.98
37 Ft Bent	4/24/2003	755.79	0.00	0.00	0.00	49.79	0.83	705.17
38 Amity	4/24/2003	3,405.94	0.00	0.00	0.00	0.00	3.73	3,402.21
39 Lamar	4/24/2003	1,100.36	0.00	0.00	418.00	101.16	1.20	580.00
40 Hvide	4/24/2003	106.30	0.00	0.00	0.00	0.00	0.12	106.18
41 Manvel	4/24/2003	196.36	0.00	0.00	0.00	0.00	0.21	196.15
42 X-Y	4/24/2003	417.35	0.00	0.00	0.00	0.00	0.46	416.89
43 Buffalo	4/24/2003	695.53	0.00	0.00	0.00	0.00	0.76	694.77
44 Sisson	4/24/2003	70.28	0.00	0.00	0.00	0.00	0.08	70.20
62 Stubbs	4/24/2003	28.04	0.00	0.00	0.00	0.00	0.03	28.01
InterState								
8 Kansas	4/24/2003	5,843.24	0.00	0.00	0.00	0.00	6.40	5,836.84
18 Transit Loss	4/24/2003	2,262.06	0.00	0.00	0.00	0.00	2.48	2,259.58
Prev Winter Stored								
21 Keesee	4/24/2003	13.69	0.00	0.00	0.00	0.00	0.01	13.68
22 Ft Bent	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Amity	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hvide	4/24/2003	170.86	0.00	0.00	0.00	0.00	0.19	170.67
26 Manvel	4/24/2003	93.30	0.00	0.00	0.00	0.00	0.10	93.20
27 X-Y	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Buffalo	4/24/2003	1,117.66	0.00	0.00	0.00	0.00	1.22	1,116.44
29 Sisson	4/24/2003	3.77	0.00	0.00	0.00	0.00	0.00	3.77
61 Stubbs	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored								
9 Keesee	4/24/2003	52.52	0.00	0.00	0.00	0.00	0.06	52.46
10 Ft Bent	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	4/24/2003	483.79	0.00	0.00	0.00	0.00	0.53	483.26
12 Lamar	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hvide	4/24/2003	50.12	0.00	0.00	0.00	2.03	0.05	48.04
14 Manvel	4/24/2003	3,074.12	0.00	0.00	0.00	0.00	3.36	3,070.76
15 X-Y	4/24/2003	116.64	0.00	0.00	0.00	0.00	0.13	116.51
16 Buffalo	4/24/2003	1,963.35	0.00	0.00	0.00	158.68	2.15	1,802.52
17 Sisson	4/24/2003	19.76	0.00	0.00	0.00	0.00	0.02	19.74
60 Stubbs	4/24/2003	7.80	0.00	0.00	0.00	0.00	0.01	7.79
Agreement Totals:		29043.11	0.00	0.00	418.00	311.66	31.79	28281.66
OffsetAccount								
Consumable								
52 Upstream	4/24/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	4/24/2003	1,114.95	47.28	188.10	0.80	0.00	1.22	1,348.31
54 Kansas	4/24/2003	5,881.33	0.00	0.00	0.00	0.00	6.44	5,874.89
55 Kansas Charge	4/24/2003	634.13	0.00	0.00	0.00	0.00	0.69	633.44
ReturnFlow								
57 Return Flow	4/24/2003	1,492.87	0.00	188.10	0.00	0.00	1.63	1,679.34
58 RF Transit Loss	4/24/2003	586.15	0.00	41.80	0.00	0.00	0.64	627.31
59 Keesee Winter	4/24/2003	6.37	0.00	0.80	0.00	0.00	0.01	7.16
OffsetAccount Totals:		9715.80	47.28	418.80	0.80	0.00	10.63	10170.45
Reservoir Totals:								
		42025.83	47.28	418.80	418.80	311.66	46.00	41715.45

Enclosure 2

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

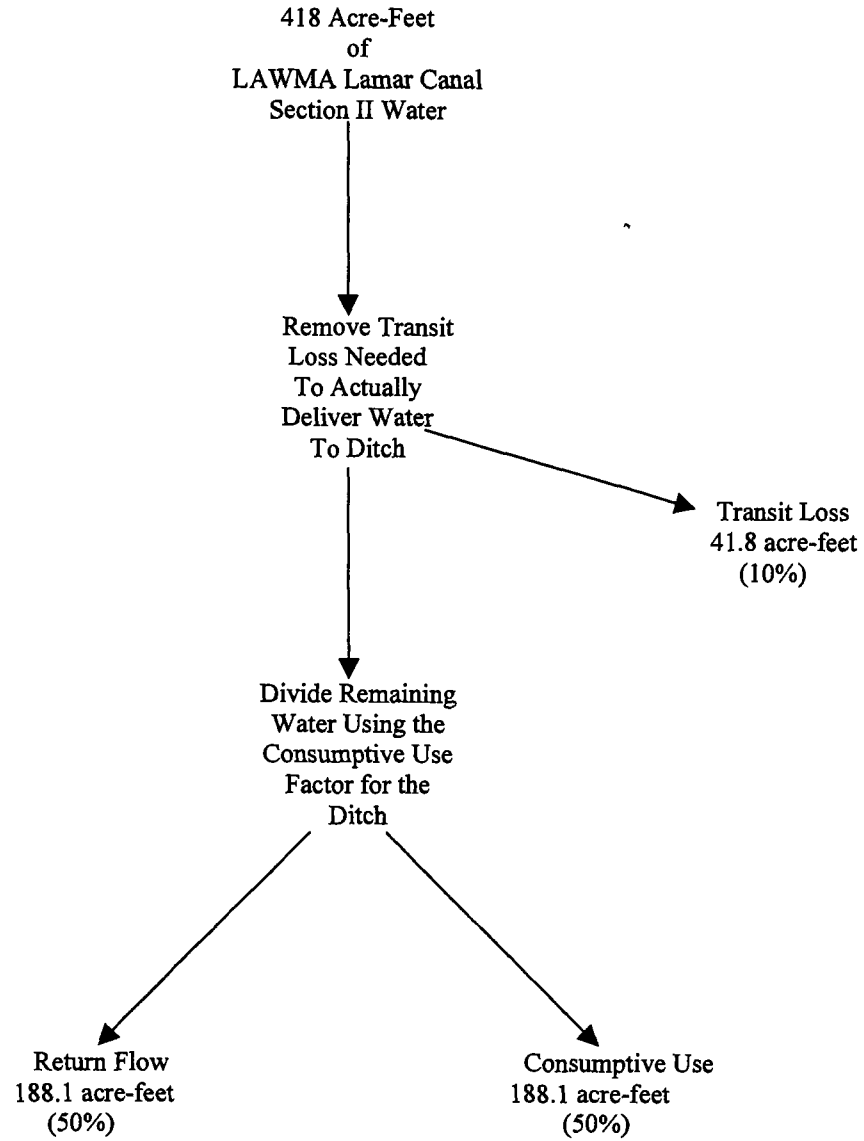


Table 1**Average Monthly Response (%)**

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
Total	2.8056	30.1393	30.0696	24.3475	12.5827	0.0551

Table 2**Return Flow Distribution for 188.1 Acre-Feet**

Month	Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.448	2.684	2.703	3.182	1.947	0.009
Feb	0.429	2.301	2.178	2.982	1.913	0.008
Mar	0.410	2.002	1.770	2.784	1.865	0.008
Apr	0.392	4.295	3.694	4.205	2.093	0.008
May	0.390	5.952	5.435	4.283	2.031	0.008
Jun	0.409	6.950	6.665	4.500	2.012	0.008
Jul	0.434	7.649	7.598	4.766	2.032	0.008
Aug	0.461	6.905	7.197	4.238	1.939	0.009
Sep	0.479	5.753	6.200	3.980	1.934	0.009
Oct	0.483	5.038	5.426	3.985	1.990	0.010
Nov	0.478	3.966	4.307	3.522	1.951	0.010
Dec	0.465	3.199	3.386	3.372	1.962	0.009
Total	5.277	56.692	56.561	45.798	23.668	0.104

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

Month	Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.156	0.937	0.943	1.111	0.680	0.003
Feb	0.150	0.803	0.760	1.041	0.668	0.003
Mar	0.143	0.699	0.618	0.972	0.651	0.003
Apr	0.321	3.517	3.026	3.444	1.714	0.006
May	0.319	4.875	4.451	3.508	1.664	0.006
Jun	0.335	5.692	5.458	3.685	1.648	0.006
Jul	0.356	6.264	6.223	3.903	1.664	0.007
Aug	0.377	5.655	5.894	3.471	1.588	0.007
Sep	0.393	4.712	5.078	3.259	1.584	0.008
Oct	0.396	4.126	4.444	3.264	1.630	0.008
Nov	0.167	1.384	1.503	1.229	0.681	0.003
Dec	0.162	1.116	1.182	1.177	0.685	0.003
Total	3.274	39.780	39.581	30.063	14.855	0.064

Table 4**Projected Releases From Offset Account**

Month	Transit Loss (%)					
	10%	12%	14%	16%	18%	20%
Reach 13	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18	
Jan	0.174	1.064	1.097	1.322	0.829	0.004
Feb	0.166	0.912	0.884	1.239	0.814	0.004
Mar	0.159	0.794	0.718	1.157	0.794	0.004
Apr	0.357	3.997	3.518	4.099	2.090	0.008
May	0.355	5.539	5.176	4.176	2.029	0.008
Jun	0.372	6.468	6.347	4.387	2.009	0.008
Jul	0.395	7.119	7.236	4.647	2.030	0.008
Aug	0.419	6.426	6.854	4.132	1.936	0.009
Sep	0.436	5.354	5.905	3.880	1.932	0.010
Oct	0.440	4.689	5.168	3.885	1.988	0.010
Nov	0.185	1.573	1.748	1.463	0.830	0.004
Dec	0.180	1.269	1.374	1.401	0.835	0.004
Total	3.638	45.204	46.024	35.789	18.115	0.080



STATE OF COLORADO

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Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

June 4, 2003

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 approximately **467 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made on the John Martin Reservoir accounting at 2400 hrs, June 4, 2003. On behalf of LAWMA, 773 acre-feet of water will be transferred from LAWMA's X-Y, Keesee and Stubbs Article II accounts. 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 773 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	467 acre-feet
Return Flow/Transit Loss Subaccount	306 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

Tyner, Bill

From: Tyner, Bill
Sent: Wednesday, June 04, 2003 6:16 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; 'Jim Slattery, Helton & Williamsen'; 'Kevin Salter'; Witte, Steve; DiDomenico, Charles; Morey, Monique
Subject: Notice of Transfer to the Offset Account

June 4, 2003

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

Dear Mark,

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Return Flow/Transit Loss Subaccount	306 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

ACTIVITY REPORT

06/05/2003 07:08

ID=CO DIVISION OF WATER RESOURCES

TOTAL TIME TX=00:06' RX=00:11'

DATE	TIME	S,R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT
06/04	07:04	00'53"	719 576 0313	RX	02	OK 0000
06/04	07:11	00'26"	8453536265	TX	03	OK 0000
06/04	08:10	00'11"	1 719 547 0719	RX	01	OK 0000
06/04	08:33	00'14"	7196762086	RX	02	OK 0000
06/04	09:59	00'46"	1+719+275+2249	RX	01	OK 0000
06/04	11:10	01'14"	7192674448	RX	03	OK 0000
06/04	12:38	01'00"	7196832575	TX	01	OK 0000
06/04	12:53	01'15"	ddmsfax	RX	02	OK 0000
06/04	14:03	00'18"	719 846 4140	RX	01	OK 0000
06/04	14:05	00'21"	7193360804	RX	01	OK 0000
06/04	14:27	01'00"	719 478 3445	TX	02	OK 0000
06/04	14:35	00'41"	7193841001	RX	02	OK 0000
06/04	14:51	00'57"	303 866 3589	TX	03	OK 0000
06/04	14:59	00'39"	9704534579	RX	05	OK 0000
06/04	15:15	01'04"	7195423203	TX	02	OK 0000
06/04	15:46	00'27"	3037985967	RX	01	OK 0000
06/04	15:47	00'21"	3037985967	RX	01	OK 0000
06/04	15:48	00'58"	17195393549	TX	03	OK 0000
06/04	15:52	03'54"	7195393220	RX	09	OK 0000
06/04	16:15	00'28"	7197432396	RX	02	OK 0000
→ 06/04	18:20	00'17"	785 296 1176	DAVID POPE TX	01	OK 0000
→ 06/04	18:22	00'28"	620 276 9315	MARK RUDE TX	01	OK 0000



STATE OF COLORADO

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

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Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

June 16, 2003

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 approximately **2.5 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made on the John Martin Reservoir accounting at 2400 hrs for June 13, 2003. On behalf of LAWMA, 5 acre-feet of water will be transferred from LAWMA's X-Y, Keesee and Stubbs Article II accounts. 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 5 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	2.52 acre-feet
Return Flow/Transit Loss Subaccount	2.44 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

Tyner, Bill

From: Tyner, Bill
Sent: Monday, June 16, 2003 1:12 PM
To: 'Mark Rude, Kansas'
Cc: 'David Pope'; 'Don Higbee, Lower Arkansas Water Management Association'; Witte, Steve
Subject: Notice of Transfer to the Offset Account

June 16, 2003

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 approximately **2.5 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. The transfer will be made on the John Martin Reservoir accounting at 2400 hrs for June 13, 2003. On behalf of LAWMA, 5 acre-feet of water will be transferred from LAWMA's X-Y, Keesee and Stubbs Article II accounts. 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 5 acre-feet will be made in the Offset Account.

Colorado Downstream Consumable Water Subaccount	2.52 acre-feet
Return Flow/Transit Loss Subaccount	2.44 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account.

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

Sincerely,

Bill W. Tyner
Assistant Division Engineer

MESSAGE CONFIRMATION

06/16/2003 13:10

ID=CO DIVISION OF WATER RESOURCES

DATE	TIME	S,R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT	
06/16	13:10	00'18"	785 296 1176	TX	01	OK	0000

MESSAGE CONFIRMATION

06/16/2003 13:08

ID=CO DIVISION OF WATER RESOURCES

DATE	TIME	S,R-TIME	DISTANT STATION ID	MODE	PAGES	RESULT
06/16	13:08	00'30"	620 276 9315	TX	01	OK 0000



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

June 18, 2003

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 **467.54 acre-feet** of fully consumable water to the Colorado Downstream Consumable Water subaccount of the Offset Account. A total of **773.95 acre-feet** of water was transferred from LAWMA's X-Y, Stubbs and Keese Article II accounts. **467.54 acre-feet** of fully consumable water was placed in the Colorado downstream consumable subaccount, **245.42 acre-feet** was placed in the Return Flow subaccount, and **60.99 acre-feet** was placed in the Return Flow Transit Loss subaccount of the Offset Account.

Copies of the accounting spreadsheet for John Martin Reservoir for June 4, 2003 and June 13, 2003 are 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 2a-2c, 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 201.39 acre-feet will be released during the next 12 months to deliver 175.44 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 Colorado ditches 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, for the X-Y Graham Article II water 36.8% or approximately 184.4 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 4% or approximately 20.0 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. Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the Stubbs Article II water 44.7% or approximately 15.09 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. Using the simplified procedure proposed in the December 18, 2000 letter referenced above, for the Keese Article II water 12% or approximately 28.7 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 24% or approximately 57.3 acre-feet of the transferred water will be placed in the Section II accounts of the ditches below the Keese 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: Lamar Article II Account.

Time Associated With Transfer

Transfer Made At: 2400 hours, June 4, 2003 and at 2400 hours, June 13, 2003

Extent Water is Fully Consumable:

LAWMA Stubbs Article II Account water is 67.9% consumable. XY-Graham Article II Account water is 65.7% consumable. Keese Article II Account water is 64.9% consumable.

Return Flow Information

Quantity: 245.42 acre-feet
Timing: See previous paragraph.
Location: Return Flow subaccount.

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

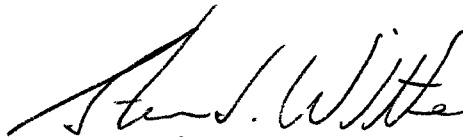
- Release to River
- Transfer to Kansas Article II Account
- Retain in Offset Account

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: Kevin Salter
John Draper
Dale Book
Hal Simpson
Dennis Montgomery
Wendy Weiss/Steve Sims
Don Higbee
Jim Slattery
Dale Straw
Charlie DiDomenico
Bill Tyner

Enclosure 1

John Martin Reservoir Accounting for June 4, 2003 & June 13, 2003

John Martin Daily Report

6/4/2003

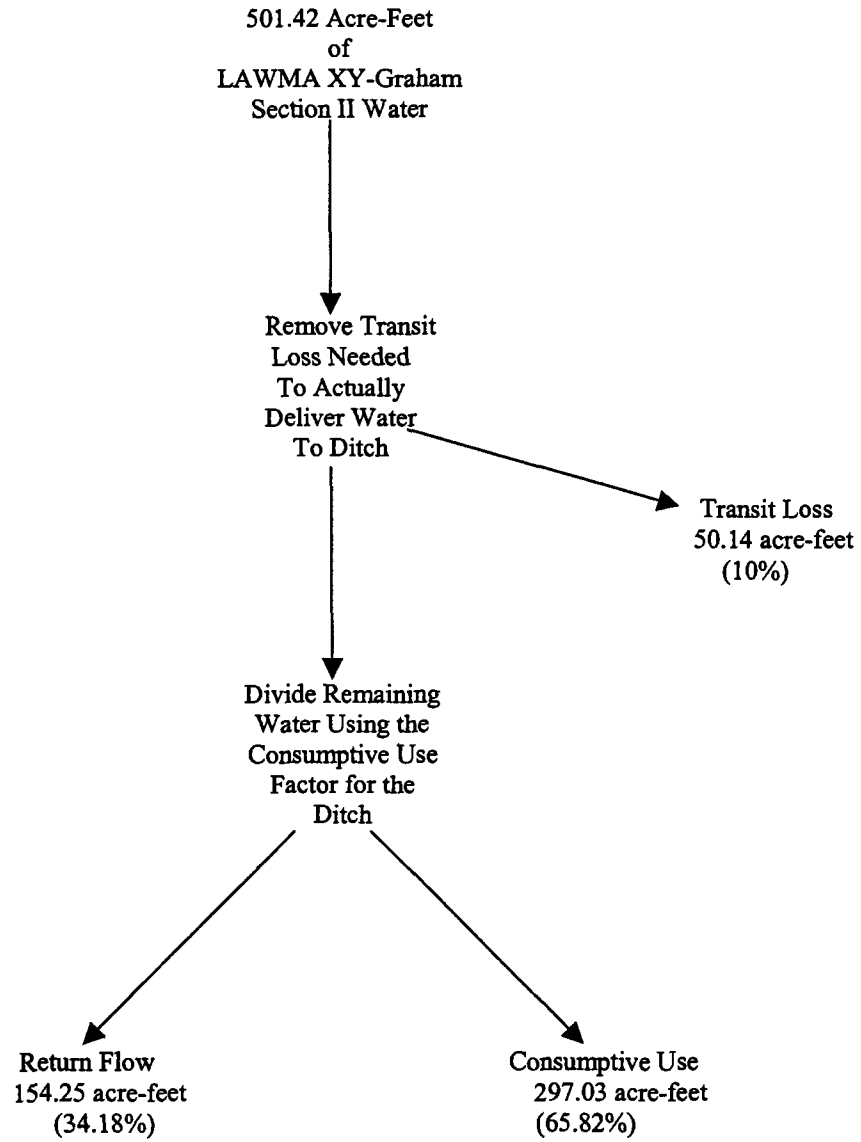
Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
19 City/LAMAR	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
3 Summer Compact	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
6 Winter Water	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
5 Permanent Pool	6/4/2003	3,054.15	0.00	0.00	0.00	0.00	3.20	3,050.95
45 Flood Pool	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Totals:		3054.15	0.00	0.00	0.00	0.00	3.20	3050.95
Agreement								
Article III								
32 Amity	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 Ft. Lyon	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Las Animas	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored								
36 Keesee	6/4/2003	175.94	0.00	0.00	175.76	0.00	0.18	0.00
37 Ft Bent	6/4/2003	576.98	0.00	0.00	0.00	0.00	0.60	576.38
38 Amity	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Lamar	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40 Hyde	6/4/2003	15.03	0.00	0.00	0.00	0.00	0.02	15.01
41 Manvel	6/4/2003	183.56	0.00	0.00	0.00	0.00	0.19	183.37
42 X-Y	6/4/2003	390.19	0.00	0.00	389.78	0.00	0.41	0.00
43 Buffalo	6/4/2003	650.25	0.00	0.00	0.00	0.00	0.68	649.57
44 Sisson	6/4/2003	65.72	0.00	0.00	0.00	0.00	0.07	65.65
62 Stubbs	6/4/2003	26.22	0.00	0.00	26.19	0.00	0.03	0.00
InterState								
8 Kansas	6/4/2003	5,462.65	0.00	0.00	0.00	0.00	5.73	5,456.92
18 Transit Loss	6/4/2003	2,114.72	0.00	0.00	0.00	0.00	2.22	2,112.50
Prev Winter Stored								
21 Keesee	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 Ft Bent	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Amity	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hyde	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Manvel	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 X-Y	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Buffalo	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 Sisson	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61 Stubbs	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored								
9 Keesee	6/4/2003	61.86	0.00	0.00	61.80	0.00	0.06	0.00
10 Ft Bent	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 Hyde	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 Manvel	6/4/2003	2,961.12	0.00	0.00	0.00	0.00	3.10	2,958.02
15 X-Y	6/4/2003	109.02	0.00	0.00	108.91	0.00	0.11	0.00
16 Buffalo	6/4/2003	2,046.44	0.00	0.00	0.00	0.00	2.14	2,044.30
17 Sisson	6/4/2003	21.99	0.00	0.00	0.00	0.00	0.02	21.97
60 Stubbs	6/4/2003	7.35	0.00	0.00	7.34	0.00	0.01	0.00
Agreement Totals:		14869.06	0.00	0.00	769.78	0.00	15.57	14083.71
OffsetAccount								
Consumable								
52 Upstream	6/4/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	6/4/2003	2,458.97	34.49	465.02	0.79	0.00	2.58	2,955.11
54 Kansas	6/4/2003	5,884.97	0.00	0.00	0.00	0.00	6.18	5,878.79
55 Kansas Charge	6/4/2003	592.83	0.00	0.00	0.00	0.00	0.62	592.21
ReturnFlow								
57 Return Flow	6/4/2003	1,215.11	0.00	244.10	0.00	0.00	1.27	1,457.94
58 RF Transit Loss	6/4/2003	513.99	0.00	60.66	0.00	0.00	0.54	574.11
59 Keesee Winter	6/4/2003	33.46	0.00	0.79	0.00	0.00	0.04	34.21
OffsetAccount Totals:		10699.33	34.49	770.57	0.79	0.00	11.23	11492.37
Reservoir Totals:		28622.54	34.49	770.57	770.57	0.00	30.00	28627.03

John Martin Daily Report

6/13/2003

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
Storage								
City								
19 City/LAMAR	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
3 Summer Compact	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Winter Compact	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
6 Winter Water	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
5 Permanent Pool	6/13/2003	3,007.69	0.00	0.00	0.00	0.00	6.83	3,000.86
45 Flood Pool	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Storage Totals:		3007.69	0.00	0.00	0.00	0.00	6.83	3000.86
Agreement								
Article III								
32 Amity	6/13/2003	74.05	0.00	0.00	0.00	0.00	0.17	73.88
33 Ft. Lyon	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Las Animas	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cmt Winter Stored								
36 Keesee	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37 Ft Bent	6/13/2003	492.84	0.00	0.00	0.00	0.00	1.12	491.72
38 Amity	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 Lamar	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40 Hyde	6/13/2003	14.79	0.00	0.00	0.00	0.00	0.03	14.76
41 Manvel	6/13/2003	180.76	0.00	0.00	0.00	0.00	0.41	180.35
42 X-Y	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43 Buffalo	6/13/2003	640.37	0.00	0.00	0.00	0.00	1.46	638.91
44 Sisson	6/13/2003	64.73	0.00	0.00	0.00	0.00	0.15	64.58
62 Stubbs	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
InterState								
8 Kansas	6/13/2003	5,392.08	0.00	0.00	0.00	0.00	12.25	5,379.83
18 Transit Loss	6/13/2003	2,082.54	0.00	0.00	0.00	0.00	4.73	2,077.81
Prev Winter Stored								
21 Keesee	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22 Ft Bent	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 Amity	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 Lamar	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 Hyde	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 Manvel	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27 X-Y	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28 Buffalo	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29 Sisson	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61 Stubbs	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored								
9 Keesee	6/13/2003	1.26	0.00	0.00	1.26	0.00	0.00	0.00
10 Ft Bent	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Amity	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12 Lamar	6/13/2003	10.72	0.00	0.00	0.00	0.00	0.02	10.70
13 Hyde	6/13/2003	0.71	0.00	0.00	0.00	0.00	0.00	0.71
14 Manvel	6/13/2003	2,917.38	0.00	0.00	0.00	0.00	6.63	2,910.75
15 X-Y	6/13/2003	2.74	0.00	0.00	2.73	0.00	0.01	0.00
16 Buffalo	6/13/2003	2,019.92	0.00	0.00	0.00	0.00	4.59	2,015.33
17 Sisson	6/13/2003	22.13	0.00	0.00	0.00	0.00	0.05	22.08
60 Stubbs	6/13/2003	0.18	0.00	0.00	0.18	0.00	0.00	0.00
Agreement Totals:		13917.22	0.00	0.00	4.17	0.00	31.62	13881.43
OffsetAccount								
Consumable								
52 Upstream	6/13/2003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53 Downstream	6/13/2003	3,259.57	49.64	2.52	0.79	0.00	7.41	3,303.53
54 Kansas	6/13/2003	5,795.45	0.00	0.00	0.00	0.00	13.16	5,782.29
55 Kansas Charge	6/13/2003	583.81	0.00	0.00	0.00	0.00	1.33	582.48
ReturnFlow								
57 Return Flow	6/13/2003	1,437.28	0.00	1.32	0.00	0.00	3.27	1,435.33
58 RF Transit Loss	6/13/2003	565.98	0.00	0.33	0.00	0.00	1.29	565.02
59 Keesee Winter	6/13/2003	40.01	0.00	0.79	0.00	0.00	0.09	40.71
OffsetAccount Totals:		11682.10	49.64	4.96	0.79	0.00	26.55	11709.36
Reservoir Totals:		28607.01	49.64	4.96	4.96	0.00	65.00	28591.65

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



Enclosure 2a

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

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
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
Total	0.0017	1.9481	31.3234	64.6676	2.0593

Table 2**Return Flow Distribution for 154.25 Acre-Feet**

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.000	0.246	2.005	4.493	0.259
Feb	0.000	0.233	1.753	3.869	0.228
Mar	0.000	0.221	1.563	3.370	0.202
Apr	0.000	0.198	4.104	8.469	0.165
May	0.000	0.203	5.652	11.101	0.172
Jun	0.000	0.238	6.416	12.664	0.231
Jul	0.000	0.262	6.902	13.776	0.280
Aug	0.000	0.286	5.900	11.875	0.328
Sep	0.000	0.297	4.651	9.694	0.354
Oct	0.000	0.285	4.005	8.585	0.341
Nov	0.000	0.275	2.997	6.535	0.321
Dec	0.000	0.263	2.368	5.317	0.295
Total	0.003	3.005	48.315	99.748	3.176

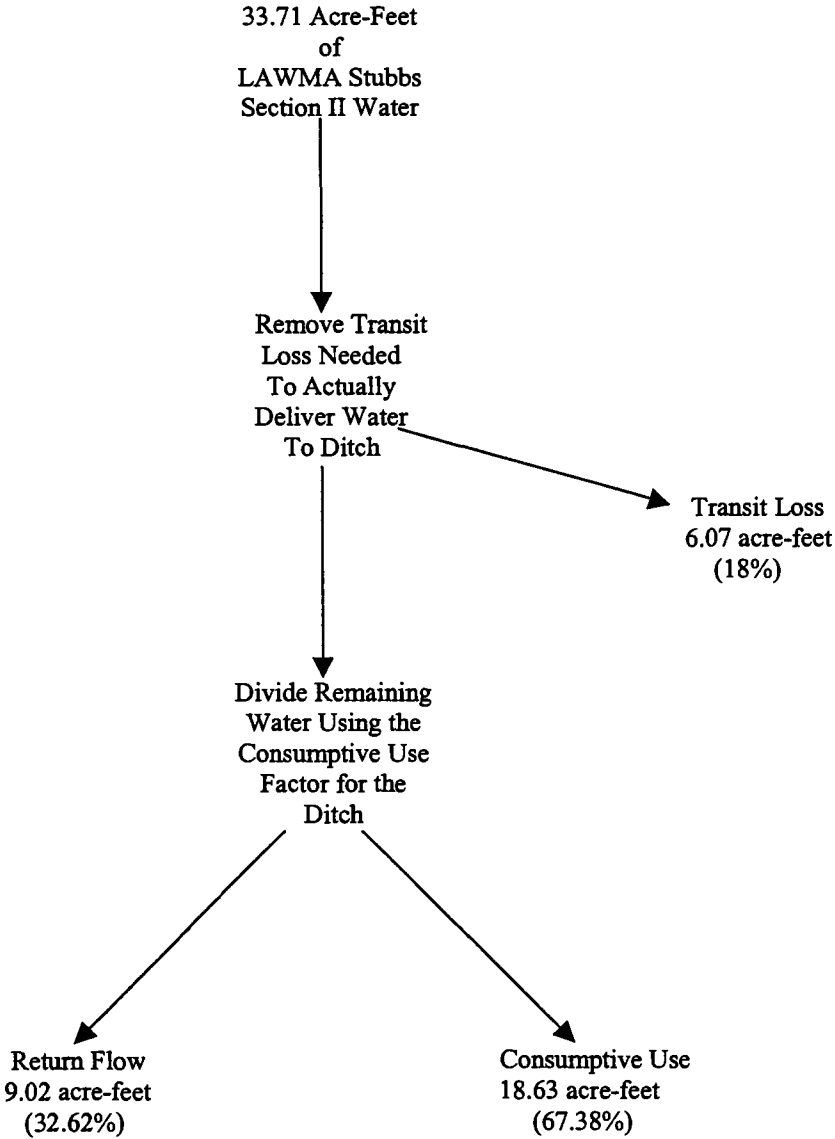
Table 3**Return Flows With Usability Factors Applied**

Month	Reach 14	Reach 15	Reach 16	Reach 17	Reach 18
Jan	0.000	0.086	0.700	1.568	0.090
Feb	0.000	0.081	0.612	1.350	0.080
Mar	0.000	0.077	0.545	1.176	0.070
Apr	0.000	0.162	3.361	6.936	0.135
May	0.000	0.166	4.629	9.092	0.141
Jun	0.000	0.195	5.254	10.372	0.189
Jul	0.000	0.214	5.653	11.282	0.229
Aug	0.000	0.234	4.832	9.725	0.269
Sep	0.000	0.243	3.809	7.939	0.290
Oct	0.000	0.233	3.280	7.031	0.279
Nov	0.000	0.096	1.046	2.281	0.112
Dec	0.000	0.092	0.826	1.855	0.103
Total	0.002	1.879	34.548	70.609	1.988

Table 4**Projected Releases From Offset Account**

Month	Transit Loss (%)				
	12%	14%	16%	18%	20%
Reach 14	Reach 15	Reach 16	Reach 17	Reach 18	
Jan	0.000	0.100	0.833	1.912	0.113
Feb	0.000	0.094	0.728	1.647	0.100
Mar	0.000	0.090	0.649	1.434	0.088
Apr	0.000	0.188	4.001	8.459	0.169
May	0.000	0.193	5.511	11.087	0.176
Jun	0.000	0.227	6.255	12.649	0.236
Jul	0.000	0.249	6.730	13.759	0.287
Aug	0.000	0.272	5.753	11.860	0.336
Sep	0.000	0.282	4.535	9.682	0.363
Oct	0.000	0.271	3.905	8.575	0.349
Nov	0.000	0.111	1.245	2.781	0.140
Dec	0.000	0.107	0.984	2.263	0.129
Total	0.002	2.185	41.129	86.109	2.485

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



Enclosure 2b

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

Month	Reach 17	Reach 18
Jan	0.0021	0.0211
Feb	0.0017	0.0219
Mar	0.0009	0.0919
Apr	0.0013	0.0646
May	0.0019	0.0613
Jun	0.0013	0.1367
Jul	0.0010	0.2433
Aug	0.0031	0.1519
Sep	0.0047	0.0752
Oct	0.0041	0.0453
Nov	0.0033	0.0318
Dec	0.0026	0.0271
Total	0.0280	0.9721

Table 2**Return Flow Distribution for 9.02 Acre-Feet**

Month	Reach 17	Reach 18
Jan	0.019	0.190
Feb	0.015	0.198
Mar	0.008	0.829
Apr	0.011	0.582
May	0.017	0.553
Jun	0.011	1.233
Jul	0.009	2.194
Aug	0.028	1.370
Sep	0.043	0.678
Oct	0.037	0.408
Nov	0.030	0.287
Dec	0.023	0.244
Total	0.252	8.766

Table 3

Return Flows With Usability Factors Applied

Month	Reach 17	Reach 18
Jan	0.007	0.066
Feb	0.005	0.069
Mar	0.003	0.289
Apr	0.009	0.477
May	0.014	0.453
Jun	0.009	1.010
Jul	0.008	1.797
Aug	0.023	1.122
Sep	0.035	0.555
Oct	0.030	0.334
Nov	0.010	0.100
Dec	0.008	0.085
Total	0.162	6.358

Table 4

Projected Releases From Offset Account

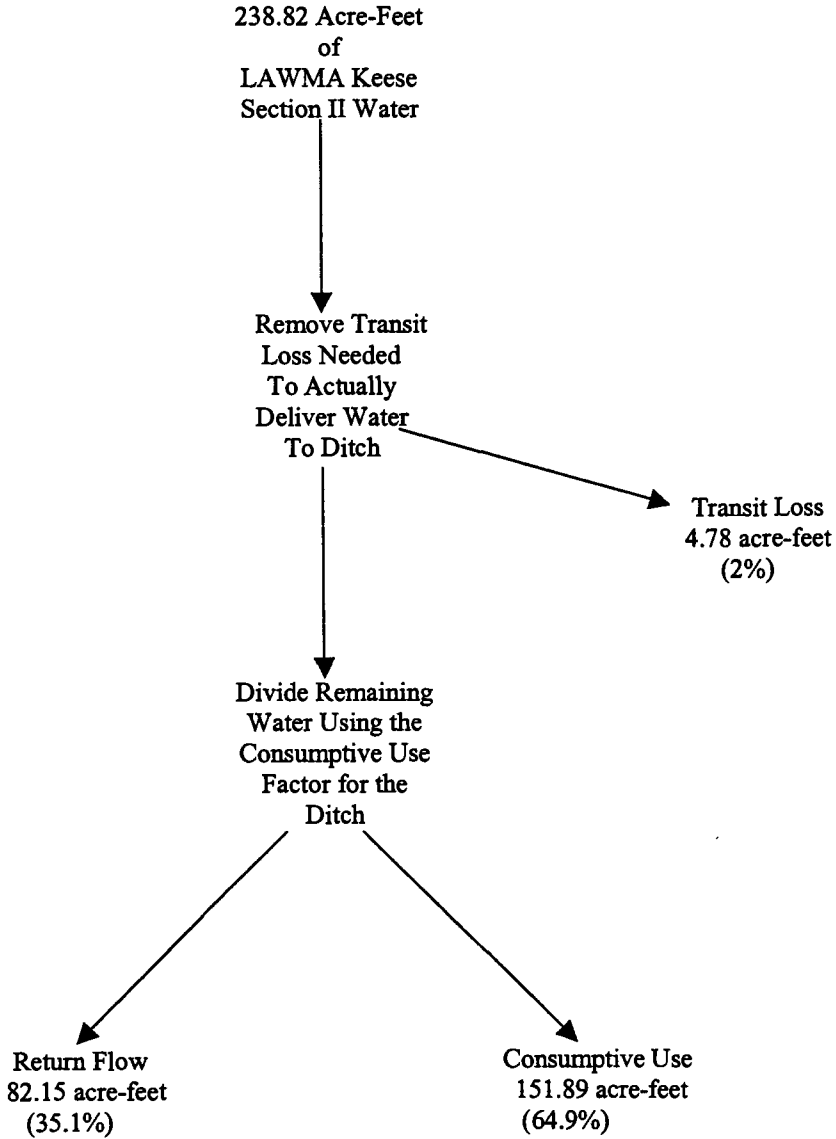
Transit Loss (%)

18%

20%

Month	Reach 17	Reach 18
Jan	0.008	0.083
Feb	0.006	0.086
Mar	0.004	0.362
Apr	0.011	0.596
May	0.017	0.566
Jun	0.011	1.262
Jul	0.009	2.246
Aug	0.028	1.403
Sep	0.043	0.694
Oct	0.037	0.418
Nov	0.013	0.125
Dec	0.010	0.106
Total	0.197	7.947

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



Enclosure 2c

Table 1

Average Monthly Response (%)

Month	Reach 12	Reach 13
Jan	0.0259	0.0043
Feb	0.0191	0.0030
Mar	0.0326	0.0049
Apr	0.0913	0.0155
May	0.1014	0.0229
Jun	0.1084	0.0234
Jul	0.1065	0.0232
Aug	0.0980	0.0211
Sep	0.0929	0.0192
Oct	0.0697	0.0153
Nov	0.0494	0.0099
Dec	0.0356	0.0065
Total	0.8308	0.1692

Table 2

Return Flow Distribution for 82.15 Acre-Feet

Month	Reach 12	Reach 13
Jan	2.127	0.355
Feb	1.565	0.245
Mar	2.678	0.400
Apr	7.501	1.270
May	8.333	1.880
Jun	8.904	1.925
Jul	8.748	1.908
Aug	8.050	1.735
Sep	7.631	1.578
Oct	5.729	1.254
Nov	4.059	0.817
Dec	2.926	0.530
Total	68.252	13.896

Table 3

Return Flows With Usability Factors Applied

Month	Reach 12	Reach 13
Jan	0.742	0.124
Feb	0.546	0.085
Mar	0.935	0.140
Apr	6.143	1.040
May	6.825	1.539
Jun	7.293	1.577
Jul	7.165	1.562
Aug	6.593	1.421
Sep	6.250	1.292
Oct	4.692	1.027
Nov	1.417	0.285
Dec	1.021	0.185
Total	49.621	10.278

Table 4

Projected Releases From Offset Account

Transit Loss (%)

2%

4%

Month	Reach 12	Reach 13
Jan	0.758	0.129
Feb	0.557	0.089
Mar	0.954	0.146
Apr	6.269	1.083
May	6.964	1.604
Jun	7.441	1.643
Jul	7.311	1.627
Aug	6.727	1.480
Sep	6.377	1.346
Oct	4.788	1.070
Nov	1.446	0.297
Dec	1.042	0.193
Total	50.634	10.706

KANSAS

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AUG 25 2003

DIVISION ENGINEER
PUEBLO, COLORADO

DEPARTMENT OF AGRICULTURE
ADRIAN J. POLANSKY, SECRETARY

KATHLEEN SEBELIUS, GOVERNOR

August 20, 2003

Hal Simpson
State Engineer
Colorado Division of Water Resources
1313 Sherman Street, Room 818
Denver, CO 80203

RE: Kansas CY 2003 Delivery Options

Dear Hal:

The Colorado Division II staff has asked if Kansas was going to call for water this year. They were told that under the current conditions Kansas would not likely be calling for water. We have been reviewing river conditions and options for utilizing our water stored in John Martin Reservoir during this irrigation season. Under prevailing river conditions most of this summer, it appears a delivery to the state line would be difficult and losses would be significant.

We have considered calling for water from the Offset Account. However, in reviewing a CY2002 Offset account delivery (April 10 to April 19, 2002), we calculated a transit loss of 46%(1610 AF) during this delivery that was relatively early in the season with antecedent flow above 60 cfs. Using this past delivery as a basis of comparison and with a current antecedent flow under 30 cfs, it is doubtful that more than 50% of any Offset Account water released would be delivered to the stateline.

In a letter dated April 22, 2002 from Steve Witte, as well as in your report to the Compact Administration, Colorado used a calculated transit loss of 22.47% for this same Offset Account release. We do not believe this is reflective of the actual transit losses suffered. This illustrates a significant problem in accounting for and crediting of Offset Account deliveries.

In summary, Kansas has concluded that it may not be practical, or very efficient, to call for account water during current river conditions and given the uncertainty of reservoir releases being delivered to the Stateline. Although we could call for water available to Kansas in the Offset Account to help mitigate well depletions of Stateline flows, current proposals by Colorado for accounting and crediting of that delivery create disincentives for use of that account by the State

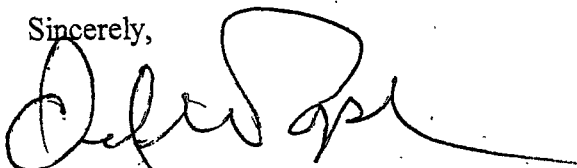
Division of Water Resources David L. Pope, Chief Engineer
109 SW 9th ST., 2nd Floor Topeka, KS 66612-1283

Voice (785) 296-3717 Fax (785) 296-1176 <http://www.accesskansas.org/kda>

Hal Simpson
Page 2
August 20, 2003

of Kansas. . Because of the unfavorable river conditions and continued accounting challenges, Kansas has determined that it would most likely be better to wait for more favorable conditions before release of either Section II or Offset Account Water.

Sincerely,

A handwritten signature in black ink, appearing to read 'David L. Pope', with a long horizontal flourish extending to the right.

David L. Pope, P.E.
Chief Engineer

DLP/ks/dlm

c: Steve Witte, Operations Secretary
Mark Rude, Assistant Operations Secretary



RECEIVED

OCT 23 2003

STATE OF COLORADO

DIVISION ENGINEER
PUBLIC UTILITIES STATE ENGINEER
Division of Water Resources
Department of Natural Resources

1313 Sherman Street, Room 818
Denver, Colorado 80203
Phone (303) 866-3581
FAX (303) 866-3589
www.water.state.co.us



Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

October 17, 2003

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

RE: Kansas CY 2003 Delivery Options

Dear Mr. Pope:

We reviewed your August 20, 2003 letter regarding Kansas' decision to not call for any stored water in 2003 and wanted to reply to some of your concerns about computation of transit losses on Offset Account deliveries.

Your August 20, 2003 letter stated that you computed a transit loss of 46% (1,610 acre-feet) during an Offset Account delivery called for from April 10 through April 19, 2002 (release rate 200 cfs; total volume released 3,479.55 acre-feet). You stated also that the antecedent flow was 60 cfs, and that based on the analysis that with a current antecedent flow under 30 cfs, it is doubtful that more than 50% of any Offset Account water released would be delivered to the state line.

Additionally, you reference the April 22, 2002 letter from Steve Witte incorporated in the report to the Compact Administration and indicate that the transit loss computed in accordance with the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping as Amended March 30, 1998 (Offset Account Resolution) was 22.47% and indicate that you believe this illustrates a significant problem in accounting for and crediting of Offset Account deliveries.

Finally, you state in summary that Kansas has concluded that it may not be practical, or very efficient, to call for account water under current river conditions and that current proposals by Colorado for accounting and crediting of that delivery create disincentives for use of that account (Offset Account) by the State of Kansas.

I would first like to address the computation of transit loss and antecedent flow conditions that you describe in the second paragraph of your letter. The release of Offset Account water was initiated while conservation storage was still being distributed into accounts (April 1 thru April 12, 2002) and Colorado ditches were calling for very little account water. Although the antecedent flow at the state line was approximately 60 cfs at the start of the delivery, the antecedent flow at key locations along the river was significantly lower (gage below JMR was 16 cfs, at Lamar was 7 cfs, and at Granada was 13 cfs). The Offset Account release represented over 80% of the water released from John Martin Reservoir for the first four to five days of the run. The procedure for computing the transit loss utilizing the USGS Water Resources Investigations 78-75 (September 1978) [herein after the "Livingston Formula"] is described on pages 17 through 23 of that report and those pages are included as Enclosure 1. Since you did not provide any details on how you computed transit losses of 46%, it is difficult to determine if you followed a procedure consistent with the guidelines in the USGS report. We do not believe that transit losses were 46%.

It is important to point out, however, that a significant portion of the water in the Offset Account at the time of the delivery represented either return flow or return flow transit loss water. This includes not only the 801.57 acre-feet designated at the time of the release, but also the unevaporated portions of the amounts of return flow/return flow transit loss water booked over to the Kansas consumable subaccount from the return flow/return flow transit loss subaccount on a monthly basis from July 2001 (after the last Kansas release) through March of 2002, estimated to be an additional 350 acre-feet. The return flow transit loss water stored in the Offset Account is the amount estimated to be necessary to deliver the return flows to their historic river reach based on the historic monthly schedule of return flows and is not intended to be sufficient to deliver the return flows to the state line under higher transit loss conditions.

We believe our computation of Offset Account release credit is consistent with paragraphs 8 and 9 of the Offset Account Resolution. However, paragraph 3 of the Stipulation Re Offset Account provides that the states agree to cooperate with each other, the Compact Administration, and the U.S. Geological Survey to improve the method of determining transit losses between John Martin Dam and the state line, and we are open to any suggestions you might have for attempting to calibrate the Livingston formula for the reaches below John Martin Dam for the potential range of delivery conditions under which Kansas may choose to release water from the Offset Account.

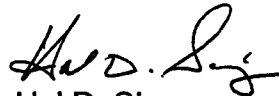
Although I recognize that the State of Kansas has discretion as to when to demand delivery of Offset Account or Section II account water for western Kansas farmers, it seems unfortunate that the result of this decision has been to suffer evaporation losses from the Offset Account since the last Kansas delivery in July

David L. Pope
October 6, 2003

Page 3

of 2002 of more than 6,200 acre-feet and evaporation losses from the Kansas Section II and Transit Loss accounts totaling more than 2,700 acre-feet. If there are areas of discussion regarding the computation of Offset Account transit loss or accounting of Offset deliveries that you wish to pursue, please feel free to let us know.

Sincerely,



Hal D. Simpson
State Engineer

Enclosure

cc: Kevin Salter
John Draper
Dale Book
Dennis Montgomery
Steve Sims
Steve Witte
Dale Straw
Bill Tyner



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>

November 13, 2003



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 – Highland Water Right

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 operations in 2003.

The initial notice for this year's operations was sent to you and Mark Rude in the June 18, 2003 letter concerning the April 2003 Offset Account Operations. This report covers the period from the initiation of deliveries in April 2003 through November 1, 2003.

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

For the entire 2003 season (April-October), LAWMA was again able to eliminate all diversion for irrigation for outstanding shareholders of the Highland Canal down ditch from Wasteway #3.

The basic operation of the measurement technique with the two new gages continued to be as follows:

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 Reservoir exists. If a call is being exercised through John Martin Reservoir, the junior water right on the Highland Canal for 38.5 cfs can be 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 non-LAWMA shares).

4. Values for the Purgatoire River at Las Animas and Arkansas River at Las Animas gages are collected from the CDWR satellite monitoring system and are used to determine transit losses occurring from the Purgatoire River 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.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Highland Canal for 2003.

Enclosure 2 contains the accounting sheets for the Offset Account for April-November 2003, which reflect the delivery of water to the appropriate sub-account of the Offset Account. During the second year of operation of the two new gages at the Highland Canal the delivery to the Offset Account was made on a daily basis when possible. Colorado Division of Water Resources is continuing to develop the appropriate rating curve and shifts for the two gages under the range of flow experienced. For 2003 we made provisions within the accounting spreadsheet for monthly adjustment of the flow values as the gage records were reviewed and adjusted by the Division 2 Lead Hydrographer. This allowed adjustments to be made as necessary to compute the credits as accurately as possible for the year.

Enclosure 3 provides a copy of Table 8B 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 application dated February 27, 2003 provided to Dale Book and John Draper during the plan approval period in March of 2003. 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)
April	1128.1
May	365.2
June	642.5
July	42.0
August	161.7
September	137.4
October	0.00
Total	2476.9

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

Sincerely,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with a long horizontal stroke at the beginning.

Steven J. Witte
Division Engineer
Colorado Division of Water Resources

3 Enclosures

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

Enclosure 1

Highland Canal Accounting for 2003

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
April, 2003**

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)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
4/2/2003	53.00	50.22	0.07103	46.66	92.54	59.87	4.12	61.18	-1.31
4/3/2003	44.00	41.69	0.07512	38.56	76.49	49.49	3.62	51.62	-2.13
4/4/2003	37.00	35.06	0.08671	32.02	63.51	41.09	3.51	43.93	-2.84
4/5/2003	32.00	30.32	0.07512	28.05	55.63	35.99	2.63	38.59	-2.60
4/6/2003	59.10	56.00	0.05944	52.67	104.48	67.60	3.84	67.58	0.02
4/7/2003	58.70	55.62	0.05944	52.32	103.77	67.14	3.82	66.42	0.72
4/8/2003	58.80	55.72	0.06967	51.84	102.82	66.52	4.48	66.58	-0.06
4/9/2003	53.90	55.81	0.06967	51.93	102.99	66.64	4.49	66.63	0.01
4/10/2003	58.00	54.96	0.06967	51.13	101.42	65.62	4.42	66.55	-0.93
4/11/2003	51.00	48.33	0.07103	44.90	89.05	57.61	3.96	61.96	-4.35
4/12/2003	46.00	43.59	0.07512	40.32	79.97	51.74	3.78	55.42	-3.68
4/13/2003	37.00	35.06	0.08671	32.02	63.51	41.09	3.51	45.43	-4.34
4/14/2003	32.00	30.32	0.08671	27.69	54.93	35.54	3.04	39.27	-3.73
4/15/2003	25.00	23.69	0.08671	21.64	42.91	27.77	2.37	30.82	-3.05
4/16/2003	27.00	25.59	0.08671	23.37	46.35	29.99	2.56	30.82	-0.83
4/17/2003	29.00	27.48	0.07512	25.42	50.41	32.62	2.38	27.39	5.23
4/18/2003	30.00	28.43	0.07376	26.33	52.23	33.79	2.42	33.40	0.39
4/19/2003	20.40	19.33	0.08671	17.65	35.02	22.66	1.94	22.93	-0.27
4/20/2003	21.90	20.75	0.07512	19.19	38.07	24.63	1.80	24.63	0.00
4/21/2003	23.19	21.97	0.07512	20.32	40.31	26.08	1.91	26.09	-0.01
4/22/2003	23.23	22.01	0.07512	20.36	40.38	26.13	1.91	25.77	0.36
4/23/2003	21.00	19.90	0.08671	18.17	36.05	23.32	1.99	25.82	-2.50
4/24/2003	23.00	21.79	0.08535	19.93	39.54	25.58	2.15	25.86	-0.28
4/25/2003	19.00	18.00	0.06205	16.89	33.50	21.67	1.29	26.18	-4.51
4/26/2003	21.90	20.75	0.03956	19.93	39.53	25.58	0.95	26.18	-0.60
4/27/2003	22.30	21.13	0.05058	20.06	39.79	25.75	1.23	26.18	-0.43
4/28/2003	22.40	21.23	0.06052	19.94	39.55	25.59	1.48	25.59	0.00
4/29/2003	22.50	21.32	0.06967	19.84	39.34	25.46	1.72	25.64	-0.18
4/30/2003	22.60	21.42	0.06967	19.92	39.52	25.57	1.72	25.52	0.05
5/1/2003	22.60	21.42	0.07512	19.81	39.29	25.42	1.86	25.37	0.05
						1153.55	80.93	1185.35	-31.80
						1128.13			

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
May, 2003**

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)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
5/2/2003	22.60	21.42	0.07512	19.81	39.29	27.70	2.02	27.66	-31.76
5/3/2003	21.20	20.09	0.07512	18.58	36.85	25.98	1.90	29.95	-3.97
5/4/2003	20.20	19.14	0.08671	17.48	34.68	24.45	2.09	24.47	-0.02
5/5/2003	19.00	18.00	0.08671	16.44	32.62	22.99	1.96	21.84	1.15
5/6/2003	14.00	13.27	0.08671	12.12	24.03	16.94	1.45	17.60	-0.66
5/7/2003	6.60	6.25	0.08671	5.71	11.33	7.99	0.68	10.89	-2.90
5/8/2003	11.00	10.42	0.08671	9.52	18.88	13.31	1.14	16.87	-3.56
5/9/2003	8.70	8.24	0.08671	7.53	14.93	10.53	0.90	14.52	-3.99
5/10/2003	6.40	6.06	0.08671	5.54	10.99	7.75	0.66	12.32	-4.57
5/11/2003	4.80	4.55	0.08671	4.15	8.24	5.81	0.50	10.58	-4.77
5/12/2003	4.00	3.79	0.08671	3.46	6.87	4.84	0.41	9.69	-4.85
5/13/2003	3.90	3.70	0.08671	3.33	6.69	4.72	0.40	9.40	-4.74
5/14/2003	3.20	3.03	0.08671	2.77	5.49	3.87	0.33	8.47	-4.60
5/15/2003	2.50	2.37	0.08671	2.16	4.29	3.03	0.26	7.45	-4.42
5/16/2003	1.80	1.71	0.08671	1.56	3.09	2.18	0.19	6.54	-4.36
5/17/2003	9.10	8.62	0.08671	7.88	15.62	11.01	0.94	14.67	-3.66
5/18/2003	1.80	1.71	0.08671	1.56	3.09	2.18	0.19	6.57	-4.39
5/19/2003	0.49	0.46	0.08671	0.42	0.84	0.59	0.05	4.44	-3.85
5/20/2003	0.05	0.05	0.08671	0.04	0.09	3.22	0.01	3.22	0.00
5/21/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	2.21	-2.21
5/22/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
5/23/2003	0.02	0.02	0.08671	0.02	0.03	0.02	0.00	0.04	-0.02
5/24/2003	0.08	0.08	0.08671	0.07	0.14	0.10	0.01	0.16	-0.06
5/25/2003	1.10	1.04	0.08671	0.95	1.89	1.33	0.11	1.03	0.30
5/26/2003	21.90	20.75	0.08262	19.04	37.76	26.62	2.16	26.49	0.13
5/27/2003	20.60	19.52	0.07376	18.08	35.86	25.28	1.81	23.30	1.98
5/28/2003	19.00	18.00	0.07512	16.65	33.03	23.29	1.70	11.04	12.25
5/29/2003	20.50	19.43	0.07512	17.97	35.64	25.12	1.84	13.97	11.15
5/30/2003	20.40	19.33	0.06597	18.06	35.81	25.25	1.61	11.87	13.38
5/31/2003	11.00	10.42	0.05926	9.81	19.45	13.71	0.78	6.46	7.25
6/1/2003	4.70	4.45	0.05011	4.23	8.39	5.92	0.28	3.73	2.19
						345.73	26.37	357.51	-43.58
						365.23			

Released from
#53 on 5/31/03

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
June, 2003**

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)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
6/2/2003	15.00	14.21	0.04401	13.59	26.95	20.97	0.87	10.46	6.51
6/3/2003	12.00	11.37	0.04401	10.87	21.56	16.78	0.70	7.80	8.98
6/4/2003	20.00	18.95	0.05011	18.00	35.71	27.78	1.32	13.52	14.26
6/5/2003	16.31	15.46	0.04401	14.78	29.31	22.80	0.94	10.27	12.53
6/6/2003	13.00	12.32	0.04401	11.78	23.36	18.17	0.75	16.97	1.20
6/7/2003	12.00	11.37	0.04401	10.87	21.56	16.78	0.70	16.51	0.27
6/8/2003	20.40	19.33	0.03992	18.56	36.81	28.64	1.07	28.68	-0.04
6/9/2003	20.50	19.43	0.03748	18.70	37.09	28.85	1.01	28.90	-0.05
6/10/2003	20.60	19.52	0.04791	18.59	36.86	28.68	1.30	28.62	0.06
6/11/2003	20.60	19.52	0.04466	18.65	36.99	28.78	1.21	28.72	0.06
6/12/2003	20.40	19.33	0.04265	18.51	36.71	28.56	1.15	28.54	0.02
6/13/2003	20.50	19.43	0.04401	18.57	36.84	28.66	1.19	28.67	-0.01
6/14/2003	20.30	19.24	0.04401	18.39	36.48	28.38	1.18	28.35	0.03
6/15/2003	20.00	18.95	0.04265	18.14	35.99	28.00	1.12	28.07	-0.07
6/16/2003	20.20	19.14	0.04401	18.30	36.30	28.24	1.17	28.25	-0.01
6/17/2003	17.15	16.25	0.04401	15.54	30.82	23.97	0.99	27.29	-3.32
6/18/2003	11.49	10.89	0.04401	10.41	20.65	16.06	0.67	18.16	-2.10
6/19/2003	11.00	10.42	0.05011	9.90	19.64	15.28	0.73	25.79	-10.51
6/20/2003	16.80	15.92	0.03110	15.42	30.59	23.80	0.69	28.65	-4.85
6/21/2003	20.20	19.14	0.04466	18.29	36.27	28.22	1.19	28.25	-0.03
6/22/2003	20.40	19.33	0.04875	18.39	36.47	28.38	1.31	28.36	0.02
6/23/2003	16.00	15.16	0.04401	14.49	28.75	22.37	0.93	24.39	-2.02
6/24/2003	20.00	18.95	0.05011	18.00	35.71	27.78	1.32	28.18	-0.40
6/25/2003	14.00	13.27	0.04401	12.68	25.16	19.57	0.81	20.77	-1.20
6/26/2003	12.00	11.37	0.05011	10.80	21.42	16.67	0.79	16.03	0.64
6/27/2003	11.00	10.42	0.04401	9.96	19.77	15.38	0.64	16.66	-1.28
6/28/2003	8.10	7.68	0.04401	7.34	14.55	11.32	0.47	11.80	-0.48
6/29/2003	5.50	5.21	0.04401	4.98	9.88	7.69	0.32	8.18	-0.49
6/30/2003	0.00	0.00	0.04100	0.00	0.00	0.00	0.00	28.30	-28.30
7/1/2003	0.00	0.00	0.02894	0.00	0.00	0.00	0.00	34.18	-34.18
						636.55	26.51	677.32	-44.77
						642.47			

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
July, 2003**

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)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
7/2/2003	8.80	8.34	0.04401	7.97	15.81	12.89	0.53	14.42	-46.30
7/3/2003	7.50	7.11	0.05011	6.75	13.39	10.91	0.52	11.64	-0.73
7/4/2003	3.60	3.41	0.05011	3.24	6.43	5.24	0.25	5.73	-0.49
7/5/2003	2.20	2.08	0.05337	1.97	3.91	3.19	0.16	3.87	-0.68
7/6/2003	1.60	1.52	0.05337	1.44	2.85	2.32	0.12	3.19	-0.87
7/7/2003	1.10	1.04	0.05337	0.99	1.96	1.60	0.08	35.53	-33.93
7/8/2003	0.96	0.91	0.05337	0.86	1.71	1.39	0.07	2.45	-1.06
7/9/2003	0.82	0.78	0.05926	0.73	1.45	1.18	0.07	2.35	-1.17
7/10/2003	0.58	0.55	0.06597	0.51	1.02	0.83	0.05	2.00	-1.17
7/11/2003	0.54	0.51	0.06597	0.48	0.95	0.77	0.05	2.09	-1.32
7/12/2003	0.41	0.39	0.07512	0.36	0.71	0.58	0.04	1.97	-1.39
7/13/2003	0.30	0.28	0.07512	0.26	0.52	0.43	0.03	1.81	-1.40
7/14/2003	0.23	0.22	0.07512	0.20	0.40	0.33	0.02	1.93	-1.60
7/15/2003	0.14	0.13	0.08671	0.12	0.24	0.20	0.02	0.00	0.20
7/16/2003	0.05	0.05	0.08671	0.04	0.09	0.07	0.01	0.00	0.07
7/17/2003	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
7/18/2003	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
7/19/2003	0.02	0.02	0.08671	0.02	0.03	0.03	0.00	0.00	0.03
7/20/2003	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
7/21/2003	0.01	0.01	0.08671	0.01	0.02	0.01	0.00	0.00	0.01
7/22/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
7/23/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
7/24/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
7/25/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
7/26/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
7/27/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
7/28/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
7/29/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
7/30/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
7/31/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	-40.84	40.84
8/1/2003	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	0.00	0.00
						42.00	2.03	48.24	-51.01
						42.00			

Released 40.84 af
from #53 on 7/31/03

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
August, 2003**

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)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
8/2/2003	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	-51.01
8/3/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
8/4/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
8/5/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
8/6/2003	21.40	20.28	0.06407	18.98	37.65	31.13	1.92	30.87	0.26
8/7/2003	4.10	3.89	0.07376	3.60	7.14	5.90	0.42	5.90	0.00
8/8/2003	1.90	1.80	0.08671	1.64	3.26	2.70	0.23	2.70	0.00
8/9/2003	0.23	0.22	0.08671	0.20	0.39	0.33	0.03	1.94	-1.61
8/10/2003	2.30	2.18	0.08671	1.99	3.95	3.27	0.28	10.25	-6.98
8/11/2003	20.80	19.71	0.03722	18.98	37.64	31.13	1.08	31.12	0.01
8/12/2003	20.10	19.05	0.03837	18.32	36.33	30.04	1.08	15.99	14.05
8/13/2003	20.50	19.43	0.06461	18.17	36.04	29.81	1.85	29.75	0.06
8/14/2003	11.00	10.42	0.07512	9.64	19.12	15.81	1.16	15.81	0.00
8/15/2003	6.00	5.69	0.07512	5.26	10.43	8.63	0.63	8.63	0.00
8/16/2003	1.80	1.71	0.08671	1.56	3.09	2.56	0.22	3.55	-0.99
8/17/2003	0.25	0.24	0.08671	0.22	0.43	0.35	0.03	1.99	-1.64
8/18/2003	0.02	0.02	0.08671	0.02	0.03	0.03	0.00	1.19	-1.16
8/19/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.58	-0.58
8/20/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.43	-0.43
8/21/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.37	-0.37
8/22/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.33	-0.33
8/23/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.33	-0.33
8/24/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.25	-0.25
8/25/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.27	-0.27
8/26/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.21	-0.21
8/27/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.21	-0.21
8/28/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.21	-0.21
8/29/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.23	-0.23
8/30/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.27	-0.27
8/31/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.20	-0.20
9/1/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.17	-0.17
						161.68	8.93	163.58	-53.07
						161.68			

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
September, 2003**

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)	Computed CU Water to Account (ac-ft)	C.U. Transit Loss Credit to LAWMA (ac-ft)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
9/2/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.22	-53.29
9/3/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.20	-0.20
9/4/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/5/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/6/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/7/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/8/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/9/2003	23.00	21.79	0.07103	20.25	40.16	28.31	1.95	12.81	15.50
9/10/2003	20.00	18.95	0.05729	17.87	35.44	24.98	1.37	25.03	-0.05
9/11/2003	20.20	19.14	0.05944	18.00	35.71	25.18	1.43	25.14	0.04
9/12/2003	20.30	19.24	0.07512	17.79	35.29	24.88	1.82	24.83	0.05
9/13/2003	14.00	13.27	0.08671	12.12	24.03	16.94	1.45	16.94	0.00
9/14/2003	6.60	6.25	0.07512	5.78	11.47	8.09	0.59	9.93	-1.84
9/15/2003	3.90	3.70	0.07512	3.42	6.78	4.78	0.35	5.88	-1.10
9/16/2003	2.20	2.08	0.07512	1.93	3.82	2.70	0.20	4.66	-1.96
9/17/2003	0.46	0.44	0.07512	0.40	0.80	0.56	0.04	3.31	-2.75
9/18/2003	0.10	0.09	0.08671	0.09	0.17	0.12	0.01	2.35	-2.23
9/19/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.80	-0.80
9/20/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.87	-0.87
9/21/2003	0.34	0.32	0.07512	0.30	0.59	0.42	0.03	2.84	-2.42
9/22/2003	0.28	0.27	0.07512	0.25	0.49	0.34	0.03	2.92	-2.58
9/23/2003	0.06	0.06	0.07512	0.05	0.10	0.07	0.01	2.13	-2.06
9/24/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	1.21	-1.21
9/25/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.79	-0.79
9/26/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.83	-0.83
9/27/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.88	-0.88
9/28/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.68	-0.68
9/29/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.68	-0.68
9/30/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.75	-0.75
10/1/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.51	-0.51
						137.38	9.26	147.19	-62.89
						137.38			

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account
October, 2003**

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)	Amount of CU Water to Account (ac-ft)	Adjustment (ac-ft)
10/2/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.40	-63.29
10/3/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.43	-0.43
10/4/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.46	-0.46
10/5/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.43	-0.43
10/6/2003	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
10/7/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/8/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/9/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/10/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/11/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/12/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/13/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/14/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/15/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/16/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/17/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/18/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/19/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/20/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/21/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	-18.14	18.14
10/22/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.46	-0.46
10/23/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.48	-0.48
10/24/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.52	-0.52
10/25/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.40	-0.40
10/26/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.29	-0.29
10/27/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.41	-0.41
10/28/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.47	-0.47
10/29/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.46	-0.46
10/30/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.47	-0.47
10/31/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.42	-0.42
11/1/2003	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.39	-0.39
						0.00	0.00	-11.65	-51.24
						0.00			

Enclosure 2

John Martin Offset Accounting for April-November 2003

OffsetAccount-Totals

OffsetAccount-Consumable Upstream

OffsetAccount-Consumable Kansas

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for upstream consumption.

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for upstream consumption.

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for Kansas consumption.

OffsetAccount-Consumable Totals

OffsetAccount-Consumable Downstream

OffsetAccount-Consumable Kansas Charge

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for downstream consumption.

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for downstream consumption.

Table with columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-31 showing daily data for Kansas charge.

OffsetAccount-Totals

OffsetAccount-Consumable Upstream

OffsetAccount-Consumable Kansas

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Totals' section, ending with a summary row: 1275.97, 2896.32, 2122.37, 0.00, 772.38.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Upstream' section, ending with a summary row: 0.00, 0.00, 0.00, 0.00, 0.00.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Kansas' section, ending with a summary row: 0.00, 2095.82, 0.00, 0.00, 378.44.

OffsetAccount-Consumable Totals

OffsetAccount-Consumable Downstream

OffsetAccount-Consumable Kansas Charge

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Totals' section, ending with a summary row: 1275.97, 2563.36, 1780.52, 0.00, 640.50.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Downstream' section, ending with a summary row: 1275.97, 467.54, 1780.52, 0.00, 223.95.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Contains 30 rows of data for the 'Kansas Charge' section, ending with a summary row: 0.00, 0.00, 0.00, 0.00, 38.11.

OffsetAccount-Totals

OffsetAccount-Consumable Upstream

OffsetAccount-Consumable Kansas

Table with 3 main sections: OffsetAccount-Totals, OffsetAccount-Consumable Upstream, and OffsetAccount-Consumable Kansas. Each section has columns for Day, Inflow, TransIn, TransOut, Rel., Evap, and Balance. Totals are 709.38, 88.52, 88.52, 0.00, 1058.39. Upstream totals are 0.00, 0.00, 0.00, 0.00, 0.00. Kansas totals are 0.00, 61.10, 0.00, 0.00, 692.39.

OffsetAccount-Consumable

OffsetAccount-Consumable

OffsetAccount-Consumable

Totals

Downstream

Kansas Charge

Table with 3 main sections: OffsetAccount-Consumable Totals, OffsetAccount-Consumable Downstream, and OffsetAccount-Consumable Kansas Charge. Each section has columns for Day, Inflow, TransIn, TransOut, Rel., Evap, and Balance. Totals are 709.38, 61.10, 27.42, 0.00, 961.48. Downstream totals are 709.38, 0.00, 27.42, 0.00, 224.14. Kansas Charge totals are 0.00, 0.00, 0.00, 0.00, 44.95.

OffsetAccount-Totals

OffsetAccount-Consumable Upstream

OffsetAccount-Consumable Kansas

Main data table with 31 rows and columns for Inflow, TransIn, TransOut, Rel., Evap, and Balance for Totals, Upstream, and Kansas.

OffsetAccount-Consumable

OffsetAccount-Consumable

OffsetAccount-Consumable

Totals

Downstream

Kansas Charge

Main data table with 31 rows and columns for Inflow, TransIn, TransOut, Rel., Evap, and Balance for Downstream and Kansas Charge.

Enclosure 3

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

**TABLE 8B
CONSUMPTIVE USE FACTORS AND VOLUMETRIC LIMITATIONS FOR LAWMA'S DIRECT FLOW WATER RIGHTS**

Canal	Measuring Point for LAWMA's shares	Number of Acres Dried Up by LAWMA	CU as % of Delivery	Average Consumptive Use per acre	Maximum Consumptive Use per acre	Cumulative CU Credit for 10 Years	Maximum Annual CU Credit
		(ac)	(%)	(ac-ft/ac)	(ac-ft/ac)	(ac-ft)	(ac-ft)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Fort Bent shares at Clay Creek Turnout	Farm Turnout	793.8	66.1	1.83	2.44	14,526	1,937
Lamar Shares at Center Farm Turnout	Farm Turnout	1,861.7	49.5 or 55.2	1.87	2.57	34,814	4,785
Manvel Canal at River Headgate	River Headgate	392.2	50.0	2.01	2.75	7,884	1,079
XY Canal at River Headgate	River Headgate	3,489.2	65.7	1.86	2.89	64,900	10,084
Stubbs Canal at River Headgate	River Headgate	257.0	67.9	1.84	3.02	4,729	776
Highland Canal	River Headgate	2,666.8	varies by month	2.60	3.03	69,337	8,080

Explanation of Columns

1) Canal where credit is taken

2) Point where diversions are measured

3) See Table 9 and Figures 1 through 4 of this letter.

4) For all sources (except Highland and Lamar Shares at Center Farm Turnout) see the April 30, 1998 memorandum entitled "LAWMA's Consumptive Use Factors and Annual Limitations for Water Rights Located Downstream of John Martin Reservoir" (Table 1, Column 11 for the Fort Bent; Table 2 Column 12 for the Manvel, Table 3 Column 6 + Column 9 for the XY, and Table 4 Column 10 for the Stubbs). For the Lamar Shares at Center Farm Turnout the percentage is 49.5% during non pro-ration years and 55.2% during pro-ration years as will be outlined in a forthcoming memorandum. The Highland canal factors vary by month as outlined in the table below and summarized in row 24 of the table included in the March 11, 1999 letter entitled "Administration and Operation Highland Canal Water Rights".

Highland Canal - Con Use as Percentage of River Headgate Diversions

Month	%
April	65.7
May	71.3
June	78.3
July	82.0
August	83.1
September	71.3
October	42.3

5) and 6) For all sources (except Highland) see the April 30, 1998 memorandum entitled "LAWMA's Consumptive Use Factors and Annual Limitations for Water Rights Located Downstream of John Martin Reservoir" (Table 1, Column 6 plus Column 10 for the Fort Bent; Table 2, Column 6 + Column 9 for the Lamar; Table 2, Column 6 + Column 9 + Column 10 for the Manvel, Table 3 Column 6 + Column 9 for the XY, and Table 4 Column 6 + Column 9 for the Stubbs). For the Highland Canal divide the totals from Table 5 by 2,998.7 from the April 30, 1998 memorandum entitled "Calculations of Stream Credits - Highland Canal".

7) Column(3) x Column(5) x 10

8) Column(3) x Column(6)

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>

November 13, 2003



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 – Keesee Water Right

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) leased shares of the Keesee Ditch first described in my letter of April 23, 2003, which provided the initial notice of the delivery of water from this replacement source. This letter also serves to describe the operations in 2003.

Keesee Ditch operations pursuant to Paragraph 14 of the Resolution Concerning an Offset Account in John Martin Reservoir for Colorado Pumping As Amended March 30, 1998

For the majority of the 2003 season (April 16th - October 31st), LAWMA was able to store the consumable portion of the Keesee Ditch water right in the Offset Account in John Martin Reservoir. The return flow component was left in the river to prevent injury with the exception of the winter delayed return flow component, which was deducted from the consumable portion of the delivery to the Offset Account and stored in a separate subaccount in the Offset Account.

The basic daily operation of the determination of the in-priority amount for the Keesee Ditch, computation of consumptive use and winter return flow components, and subsequent storage are described below:

1. On a daily basis the River Operations Coordination staff in the Division 2 office determined from available inflows the amount available for diversion by Water District 67 ditches under the priority system with appropriate transit loss included. Due to the relative seniority of the Keesee Ditch 1881 and 1883 water rights, the amount available to the Keesee Ditch water right was most typically the full 13.5 cubic feet per second (9 cfs for 1881 and 3.5 cfs for 1883). The relatively junior third priority Keesee Ditch water right (15 cfs for 1893) was only a factor on two days during the irrigation season (June 5th and 6th) when a portion of the water right was determined to have been available in priority. There were 18 days in May, 6 days in August and 2 days in September when inflows were determined to be only sufficient to fill the senior 1881 Keesee Ditch right or only the 1881 right and a portion the Keesee Ditch 1883 right.
2. Upon determination of the daily amount available to the Keesee Ditch for diversion, the monthly consumptive use factor was applied to determine the amount of consumable water available to be

stored. A table of the monthly consumptive use factors was contained with the April 23, 2003 initial notice letter.

3. The consumable portion was then shown as an inflow to the Offset Account and deposited in the Colorado Downstream Consumable subaccount. The amount necessary to replace winter return flows (3.75%) was then transferred to the Keesee Winter subaccount along with any additional amount necessary to offset the prior day's evaporation from this subaccount. (Winter return flows owed the river will be released to match the historic pattern during the period of conservation storage.)
4. Dryup acreage was monitored by both Colorado and Kansas through site visits and by LAWMA through coordination with the Keesee Ditch owner.

Summary

Enclosure 1 contains the accounting spreadsheets used to determine the credits from the Keesee Ditch for 2003.

Enclosure 2 contains the accounting sheets for the Offset Account for April-October 2003, which reflect the delivery of water to the appropriate sub-account of the Offset Account and the subsequent transfer of winter return flow for the Keesee Ditch water rights.

Enclosure 3 provides a copy of the April 4, 2003 LAWMA plan amendment request in which the analysis of the historic consumptive use of the Keesee Ditch water right was presented. A copy of this document was provided to Dale Book and John Draper with the April 15, 2003 amendment approval letter.

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

MONTH	Total C. U. Water (AF)	Winter RF & Evap (AF)	Net C. U. Water (AF)
April	321.3	12.0	309.3
May	518.6	20.4	498.2
June	662.0	26.6	635.4
July	640.0	25.1	614.9
August	545.9	27.4	518.5
September	495.6	26.6	469.0
October	458.2	30.3	427.9
Total	3641.6	168.4	3473.2

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 Kevin Salter John Draper
Dale Book Hal Simpson Dennis Montgomery

Enclosure 1

Keesee Ditch Accounting for 2003

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
April, 2003**

	Keesee in Priority	Computed CU Water to Account 53 (ac-ft)	Amount of CU Water Keesee Winter RF - Xfr Act 53 to Act 59 (ac-ft)
Date	(cfs)		
4/1/2003	0.00	0.00	0.00
4/2/2003	0.00	0.00	0.00
4/3/2003	0.00	0.00	0.00
4/4/2003	0.00	0.00	0.00
4/5/2003	0.00	0.00	0.00
4/6/2003	0.00	0.00	0.00
4/7/2003	0.00	0.00	0.00
4/8/2003	0.00	0.00	0.00
4/9/2003	0.00	0.00	0.00
4/10/2003	0.00	0.00	0.00
4/11/2003	0.00	0.00	0.00
4/12/2003	0.00	0.00	0.00
4/13/2003	0.00	0.00	0.00
4/14/2003	0.00	0.00	0.00
4/15/2003	0.00	0.00	0.00
4/16/2003	13.50	21.42	0.80
4/17/2003	13.50	21.42	0.80
4/18/2003	13.50	21.42	0.80
4/19/2003	13.50	21.42	0.80
4/20/2003	13.50	21.42	0.80
4/21/2003	13.50	21.42	0.80
4/22/2003	13.50	21.42	0.80
4/23/2003	13.50	21.42	0.80
4/24/2003	13.50	21.42	0.80
4/25/2003	13.50	21.42	0.80
4/26/2003	13.50	21.42	0.80
4/27/2003	13.50	21.42	0.80
4/28/2003	13.50	21.42	0.80
4/29/2003	13.50	21.42	0.80
4/30/2003	13.50	21.42	0.80
		321.33	12.05

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
May, 2003**

	Keesee in Priority	Computed CU Water to Account 53	Amount of CU Water Keesee Winter RF Acct 59
Date	(cfs)	(ac-ft)	(ac-ft)
5/1/2003	13.50	20.54	0.77
5/2/2003	13.50	20.54	0.77
5/3/2003	13.50	20.54	0.77
5/4/2003	13.50	20.54	0.77
5/5/2003	13.50	20.54	0.77
5/6/2003	13.50	20.54	0.77
5/7/2003	9.00	13.69	0.51
5/8/2003	9.00	13.69	0.51
5/9/2003	9.00	13.69	0.51
5/10/2003	9.00	13.69	0.51
5/11/2003	9.00	13.69	0.51
5/12/2003	9.00	13.69	0.51
5/13/2003	9.00	13.69	0.51
5/14/2003	9.00	13.69	0.51
5/15/2003	9.00	13.69	0.51
5/16/2003	12.36	18.80	0.71
5/17/2003	9.00	13.69	0.51
5/18/2003	9.00	13.69	0.51
5/19/2003	9.00	13.69	0.51
5/20/2003	9.00	13.69	0.51
5/21/2003	9.00	13.69	0.51
5/22/2003	9.00	13.69	0.51
5/23/2003	9.00	13.69	0.51
5/24/2003	9.00	13.69	0.51
5/25/2003	13.50	20.54	0.77
5/26/2003	13.50	20.54	0.77
5/27/2003	13.50	20.54	0.77
5/28/2003	13.50	20.54	0.77
5/29/2003	13.50	20.54	0.77
5/30/2003	13.50	20.54	0.77
5/31/2003	13.50	20.54	0.77
		518.57	19.45

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
June, 2003**

	Keesee in	Computed CU	Amount of CU Water
	Priority	Water to	Keesee Winter RF Acct
Date	(cfs)	Account 53	59
		(ac-ft)	(ac-ft)
6/1/2003	13.50	20.97	0.79
6/2/2003	13.50	20.97	0.79
6/3/2003	13.50	20.97	0.79
6/4/2003	13.50	20.97	0.79
6/5/2003	28.50	44.26	1.66
6/6/2003	19.75	30.67	1.15
6/7/2003	13.50	20.97	0.79
6/8/2003	13.50	20.97	0.79
6/9/2003	13.50	20.97	0.79
6/10/2003	13.50	20.97	0.79
6/11/2003	13.50	20.97	0.79
6/12/2003	13.50	20.97	0.79
6/13/2003	13.50	20.97	0.79
6/14/2003	13.50	20.97	0.79
6/15/2003	13.50	20.97	0.79
6/16/2003	13.50	20.97	0.79
6/17/2003	13.50	20.97	0.79
6/18/2003	13.50	20.97	0.79
6/19/2003	13.50	20.97	0.79
6/20/2003	13.50	20.97	0.79
6/21/2003	13.50	20.97	0.79
6/22/2003	13.50	20.97	0.79
6/23/2003	13.50	20.97	0.79
6/24/2003	13.50	20.97	0.79
6/25/2003	13.50	20.97	0.79
6/26/2003	13.50	20.97	0.79
6/27/2003	13.50	20.97	0.79
6/28/2003	13.50	20.97	0.79
6/29/2003	13.50	20.97	0.79
6/30/2003	13.50	20.97	0.79
		662.00	24.83

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
July, 2003**

	Keesee in	Computed CU	Amount of CU Water
	Priority	Water to	Keesee Winter RF Acct
Date	(cfs)	Account 53	59
		(ac-ft)	(ac-ft)
7/1/2003	13.50	20.65	0.77
7/2/2003	13.50	20.65	0.77
7/3/2003	13.50	20.65	0.77
7/4/2003	13.50	20.65	0.77
7/5/2003	13.50	20.65	0.77
7/6/2003	13.50	20.65	0.77
7/7/2003	13.50	20.65	0.77
7/8/2003	13.50	20.65	0.77
7/9/2003	13.50	20.65	0.77
7/10/2003	13.50	20.65	0.77
7/11/2003	13.50	20.65	0.77
7/12/2003	13.50	20.65	0.77
7/13/2003	13.50	20.65	0.77
7/14/2003	13.50	20.65	0.77
7/15/2003	13.50	20.65	0.77
7/16/2003	13.50	20.65	0.77
7/17/2003	13.50	20.65	0.77
7/18/2003	13.50	20.65	0.77
7/19/2003	13.50	20.65	0.77
7/20/2003	13.50	20.65	0.77
7/21/2003	13.50	20.65	0.77
7/22/2003	13.50	20.65	0.77
7/23/2003	13.50	20.65	0.77
7/24/2003	13.50	20.65	0.77
7/25/2003	13.50	20.65	0.77
7/26/2003	13.50	20.65	0.77
7/27/2003	13.50	20.65	0.77
7/28/2003	13.50	20.65	0.77
7/29/2003	13.50	20.65	0.77
7/30/2003	13.50	20.65	0.77
7/31/2003	13.50	20.65	0.77
		640.00	24.00

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
August, 2003**

	Keesee in	Computed CU	Amount of CU Water
	Priority	Water to	Keesee Winter RF Acct
	(cfs)	Account 53	59
Date		(ac-ft)	(ac-ft)
8/1/2003	13.50	18.82	0.71
8/2/2003	13.50	18.82	0.71
8/3/2003	13.50	18.82	0.71
8/4/2003	13.50	18.82	0.71
8/5/2003	13.50	18.82	0.71
8/6/2003	13.50	18.82	0.71
8/7/2003	13.50	18.82	0.71
8/8/2003	13.50	18.82	0.71
8/9/2003	13.50	18.82	0.71
8/10/2003	13.50	18.82	0.71
8/11/2003	13.50	18.82	0.71
8/12/2003	13.50	18.82	0.71
8/13/2003	13.50	18.82	0.71
8/14/2003	13.50	18.82	0.71
8/15/2003	13.50	18.82	0.71
8/16/2003	13.50	18.82	0.71
8/17/2003	13.50	18.82	0.71
8/18/2003	13.50	18.82	0.71
8/19/2003	13.50	18.82	0.71
8/20/2003	13.50	18.82	0.71
8/21/2003	13.50	18.82	0.71
8/22/2003	13.50	18.82	0.71
8/23/2003	13.50	18.82	0.71
8/24/2003	13.50	18.82	0.71
8/25/2003	13.50	18.82	0.71
8/26/2003	9.00	12.55	0.47
8/27/2003	9.00	12.55	0.47
8/28/2003	9.00	12.55	0.47
8/29/2003	9.00	12.55	0.47
8/30/2003	9.00	12.55	0.47
8/31/2003	9.00	12.55	0.47
		545.91	20.47

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
September, 2003**

	Keesee in Priority	Computed CU	Amount of CU Water
		Water to Account 53	Keesee Winter RF Acct 59
Date	(cfs)	(ac-ft)	(ac-ft)
9/1/2003	9.00	11.26	0.42
9/2/2003	9.00	11.26	0.42
9/3/2003	13.50	16.90	0.63
9/4/2003	13.50	16.90	0.63
9/5/2003	13.50	16.90	0.63
9/6/2003	13.50	16.90	0.63
9/7/2003	13.50	16.90	0.63
9/8/2003	13.50	16.90	0.63
9/9/2003	13.50	16.90	0.63
9/10/2003	13.50	16.90	0.63
9/11/2003	13.50	16.90	0.63
9/12/2003	13.50	16.90	0.63
9/13/2003	13.50	16.90	0.63
9/14/2003	13.50	16.90	0.63
9/15/2003	13.50	16.90	0.63
9/16/2003	13.50	16.90	0.63
9/17/2003	13.50	16.90	0.63
9/18/2003	13.50	16.90	0.63
9/19/2003	13.50	16.90	0.63
9/20/2003	13.50	16.90	0.63
9/21/2003	13.50	16.90	0.63
9/22/2003	13.50	16.90	0.63
9/23/2003	13.50	16.90	0.63
9/24/2003	13.50	16.90	0.63
9/25/2003	13.50	16.90	0.63
9/26/2003	13.50	16.90	0.63
9/27/2003	13.50	16.90	0.63
9/28/2003	13.50	16.90	0.63
9/29/2003	13.50	16.90	0.63
9/30/2003	13.50	16.90	0.63
		495.63	18.59

**Deliveries from Keesee Ditch for Consumptive Use credit to Offset Account
October, 2003**

	Keesee in	Computed CU	Amount of CU Water
	Priority	Water to	Keesee Winter RF Acct
	(cfs)	Account 53	59
Date		(ac-ft)	(ac-ft)
10/1/2003	13.50	14.78	0.55
10/2/2003	13.50	14.78	0.55
10/3/2003	13.50	14.78	0.55
10/4/2003	13.50	14.78	0.55
10/5/2003	13.50	14.78	0.55
10/6/2003	13.50	14.78	0.55
10/7/2003	13.50	14.78	0.55
10/8/2003	13.50	14.78	0.55
10/9/2003	13.50	14.78	0.55
10/10/2003	13.50	14.78	0.55
10/11/2003	13.50	14.78	0.55
10/12/2003	13.50	14.78	0.55
10/13/2003	13.50	14.78	0.55
10/14/2003	13.50	14.78	0.55
10/15/2003	13.50	14.78	0.55
10/16/2003	13.50	14.78	0.55
10/17/2003	13.50	14.78	0.55
10/18/2003	13.50	14.78	0.55
10/19/2003	13.50	14.78	0.55
10/20/2003	13.50	14.78	0.55
10/21/2003	13.50	14.78	0.55
10/22/2003	13.50	14.78	0.55
10/23/2003	13.50	14.78	0.55
10/24/2003	13.50	14.78	0.55
10/25/2003	13.50	14.78	0.55
10/26/2003	13.50	14.78	0.55
10/27/2003	13.50	14.78	0.55
10/28/2003	13.50	14.78	0.55
10/29/2003	13.50	14.78	0.55
10/30/2003	13.50	14.78	0.55
10/31/2003	13.50	14.78	0.55
		458.21	17.18

Enclosure 2

John Martin Offset Accounting for April-October 2003

OffsetAccount-
Totals

OffsetAccount-Consumable
Upstream

OffsetAccount-Consumable
Kansas

Table with 18 columns (Day, Inflow, TransIn, TransOut, Rel, Evap, Balance) and 30 rows of data for Upstream and Kansas categories.

OffsetAccount-Consumable

OffsetAccount-Consumable

OffsetAccount-Consumable

Totals

Downstream

Kansas Charge

Table with 18 columns (Day, Inflow, TransIn, TransOut, Rel, Evap, Balance) and 30 rows of data for Downstream and Kansas Charge categories.

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Totals							RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2150.26							606.25
1	0.00	0.00	0.00	0.00	3.40	2146.86	1	0.00	0.00	0.00	0.00	0.96	605.29
2	0.00	0.00	0.00	0.00	5.50	2141.36	2	0.00	0.00	0.00	0.00	1.55	603.74
3	0.00	0.00	0.00	0.00	4.50	2136.86	3	0.00	0.00	0.00	0.00	1.27	602.47
4	0.00	0.00	0.00	0.00	1.90	2134.96	4	0.00	0.00	0.00	0.00	0.54	601.93
5	0.00	0.00	0.00	0.00	1.89	2133.07	5	0.00	0.00	0.00	0.00	0.53	601.40
6	0.00	0.00	0.00	0.00	1.89	2131.18	6	0.00	0.00	0.00	0.00	0.53	600.87
7	0.00	0.00	0.00	0.00	1.16	2130.02	7	0.00	0.00	0.00	0.00	0.33	600.54
8	0.00	0.00	0.00	0.00	2.63	2127.39	8	0.00	0.00	0.00	0.00	0.74	599.80
9	0.00	0.00	0.00	0.00	2.62	2124.77	9	0.00	0.00	0.00	0.00	0.74	599.06
10	0.00	0.00	0.00	0.00	3.61	2121.16	10	0.00	0.00	0.00	0.00	1.02	598.04
11	0.00	0.00	0.00	0.00	3.87	2117.29	11	0.00	0.00	0.00	0.00	1.09	596.95
12	0.00	0.00	0.00	0.00	3.96	2113.33	12	0.00	0.00	0.00	0.00	1.12	595.83
13	0.00	0.00	0.00	0.00	3.95	2109.38	13	0.00	0.00	0.00	0.00	1.11	594.72
14	0.00	0.00	0.00	0.00	3.85	2105.53	14	0.00	0.00	0.00	0.00	1.09	593.63
15	0.00	0.00	0.00	0.00	2.02	2103.51	15	0.00	0.00	0.00	0.00	0.57	593.06
16	0.00	0.80	0.00	0.00	3.36	2100.95	16	0.00	0.00	0.00	0.00	0.95	592.11
17	0.00	0.80	0.00	0.00	4.39	2097.36	17	0.00	0.00	0.00	0.00	1.24	590.87
18	0.00	0.80	0.00	0.00	1.96	2096.20	18	0.00	0.00	0.00	0.00	0.55	590.32
19	0.00	0.80	0.00	0.00	1.87	2095.13	19	0.00	0.00	0.00	0.00	0.53	589.79
20	0.00	0.80	0.00	0.00	1.84	2094.09	20	0.00	0.00	0.00	0.00	0.52	589.27
21	0.00	0.80	0.00	0.00	5.01	2089.88	21	0.00	0.00	0.00	0.00	1.41	587.86
22	0.00	0.80	0.00	0.00	2.84	2087.84	22	0.00	0.00	0.00	0.00	0.80	587.06
23	0.00	0.80	0.00	0.00	3.25	2085.39	23	0.00	0.00	0.00	0.00	0.91	586.15
24	0.00	230.70	0.00	0.00	2.28	2313.81	24	0.00	41.80	0.00	0.00	0.64	627.31
25	0.00	0.80	0.00	0.00	2.99	2311.62	25	0.00	0.00	0.00	0.00	0.81	626.50
26	0.00	0.80	0.00	0.00	3.11	2309.31	26	0.00	0.00	0.00	0.00	0.84	625.66
27	0.00	0.80	0.00	0.00	3.01	2307.10	27	0.00	0.00	0.00	0.00	0.82	624.84
28	0.00	0.80	0.00	0.00	1.00	2306.90	28	0.00	0.00	0.00	0.00	0.27	624.57
29	0.00	0.80	0.00	0.00	4.75	2302.95	29	0.00	0.00	0.00	0.00	1.29	623.28
30	0.00	0.80	198.39	0.00	3.31	2102.05	30	0.00	0.00	33.86	0.00	0.89	588.53
	0.00	241.90	198.39	0.00	91.72			0.00	41.80	33.86	0.00	25.66	

OffsetAccount-ReturnFlow							OffsetAccount-ReturnFlow						
Return Flow							Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1544.01							0.00
1	0.00	0.00	0.00	0.00	2.44	1541.57	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	3.95	1537.62	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.23	1534.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.36	1533.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.36	1531.67	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.36	1530.31	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.83	1529.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.89	1527.59	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.88	1525.71	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.59	1523.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.78	1520.34	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.84	1517.50	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.84	1514.66	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.76	1511.90	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.45	1510.45	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.41	1508.04	16	0.00	0.80	0.00	0.00	0.00	0.80
17	0.00	0.00	0.00	0.00	3.15	1504.89	17	0.00	0.80	0.00	0.00	0.00	1.60
18	0.00	0.00	0.00	0.00	1.41	1503.48	18	0.00	0.80	0.00	0.00	0.00	2.40
19	0.00	0.00	0.00	0.00	1.34	1502.14	19	0.00	0.80	0.00	0.00	0.00	3.20
20	0.00	0.00	0.00	0.00	1.32	1500.82	20	0.00	0.80	0.00	0.00	0.00	4.00
21	0.00	0.00	0.00	0.00	3.59	1497.23	21	0.00	0.80	0.00	0.00	0.01	4.79
22	0.00	0.00	0.00	0.00	2.03	1495.20	22	0.00	0.80	0.00	0.00	0.01	5.58
23	0.00	0.00	0.00	0.00	2.33	1492.87	23	0.00	0.80	0.00	0.00	0.01	6.37
24	0.00	188.10	0.00	0.00	1.63	1679.34	24	0.00	0.80	0.00	0.00	0.01	7.16
25	0.00	0.00	0.00	0.00	2.17	1677.17	25	0.00	0.80	0.00	0.00	0.01	7.95
26	0.00	0.00	0.00	0.00	2.26	1674.91	26	0.00	0.80	0.00	0.00	0.01	8.74
27	0.00	0.00	0.00	0.00	2.18	1672.73	27	0.00	0.80	0.00	0.00	0.01	9.53
28	0.00	0.00	0.00	0.00	0.73	1672.00	28	0.00	0.80	0.00	0.00	0.00	10.33
29	0.00	0.00	0.00	0.00	3.44	1668.56	29	0.00	0.80	0.00	0.00	0.02	11.11
30	0.00	0.00	164.53	0.00	2.40	1501.63	30	0.00	0.80	0.00	0.00	0.02	11.89
	0.00	188.10	164.53	0.00	65.95			0.00	12.00	0.00	0.00	0.11	

OffsetAccount-
Totals

OffsetAccount-Consumable
Upstream

OffsetAccount-Consumable
Kansas

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

OffsetAccount-Consumable
Totals

OffsetAccount-Consumable
Downstream

OffsetAccount-Consumable
Kansas Charge

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

Table with 7 columns: Day, Inflow, TransIn, TransOut, Rel., Evap, Balance. Rows 1-30 and summary row for 9/2003.

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
932.51							319.88						
1	0.00	8.53	0.00	0.00	1.27	939.77	1	0.00	0.00	0.00	0.00	0.43	319.45
2	0.00	0.42	0.00	0.00	2.13	938.06	2	0.00	0.00	0.00	0.00	0.72	318.73
3	0.00	0.63	0.00	0.00	1.27	937.42	3	0.00	0.00	0.00	0.00	0.43	318.30
4	0.00	0.63	0.00	0.00	2.97	935.08	4	0.00	0.00	0.00	0.00	1.01	317.29
5	0.00	0.63	0.00	0.00	2.12	933.59	5	0.00	0.00	0.00	0.00	0.72	316.57
6	0.00	0.63	0.00	0.00	2.12	932.10	6	0.00	0.00	0.00	0.00	0.72	315.85
7	0.00	0.63	0.00	0.00	2.00	930.73	7	0.00	0.00	0.00	0.00	0.68	315.17
8	0.00	0.63	0.00	0.00	2.21	929.15	8	0.00	0.00	0.00	0.00	0.75	314.42
9	0.00	0.63	0.00	0.00	1.58	928.20	9	0.00	0.00	0.00	0.00	0.53	313.89
10	0.00	0.63	0.00	0.00	2.25	926.58	10	0.00	0.00	0.00	0.00	0.76	313.13
11	0.00	0.63	0.00	0.00	1.83	925.38	11	0.00	0.00	0.00	0.00	0.62	312.51
12	0.00	0.63	0.00	0.00	1.83	924.18	12	0.00	0.00	0.00	0.00	0.62	311.89
13	0.00	0.63	0.00	0.00	1.82	922.99	13	0.00	0.00	0.00	0.00	0.61	311.28
14	0.00	0.63	0.00	0.00	1.73	921.89	14	0.00	0.00	0.00	0.00	0.58	310.70
15	0.00	0.63	0.00	0.00	2.50	920.02	15	0.00	0.00	0.00	0.00	0.84	309.86
16	0.00	0.63	0.00	0.00	2.24	918.41	16	0.00	0.00	0.00	0.00	0.75	309.11
17	0.00	0.63	0.00	0.00	3.38	915.66	17	0.00	0.00	0.00	0.00	1.14	307.97
18	0.00	0.63	0.00	0.00	1.56	914.73	18	0.00	0.00	0.00	0.00	0.53	307.44
19	0.00	0.63	0.00	0.00	1.81	913.55	19	0.00	0.00	0.00	0.00	0.61	306.83
20	0.00	0.63	0.00	0.00	1.81	912.37	20	0.00	0.00	0.00	0.00	0.61	306.22
21	0.00	0.63	0.00	0.00	1.82	911.18	21	0.00	0.00	0.00	0.00	0.61	305.61
22	0.00	0.63	0.00	0.00	1.43	910.38	22	0.00	0.00	0.00	0.00	0.48	305.13
23	0.00	0.63	0.00	0.00	2.62	908.39	23	0.00	0.00	0.00	0.00	0.88	304.25
24	0.00	0.63	0.00	0.00	1.91	907.11	24	0.00	0.00	0.00	0.00	0.64	303.61
25	0.00	0.63	0.00	0.00	2.26	905.48	25	0.00	0.00	0.00	0.00	0.76	302.85
26	0.00	0.63	0.00	0.00	2.03	904.08	26	0.00	0.00	0.00	0.00	0.68	302.17
27	0.00	0.63	0.00	0.00	1.98	902.73	27	0.00	0.00	0.00	0.00	0.66	301.51
28	0.00	0.63	0.00	0.00	1.87	901.49	28	0.00	0.00	0.00	0.00	0.62	300.89
29	0.00	0.63	0.00	0.00	2.01	900.11	29	0.00	0.00	0.00	0.00	0.67	300.22
30	0.00	0.63	0.00	0.00	0.57	900.17	30	0.00	0.00	0.00	0.00	0.19	300.03
0.00 26.59 0.00 0.00 58.93							0.00 0.00 0.00 0.00 19.85						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
520.12							92.51						
1	0.00	0.00	0.00	0.00	0.71	519.41	1	0.00	8.53	0.00	0.00	0.13	100.91
2	0.00	0.00	0.00	0.00	1.18	518.23	2	0.00	0.42	0.00	0.00	0.23	101.10
3	0.00	0.00	0.00	0.00	0.70	517.53	3	0.00	0.63	0.00	0.00	0.14	101.59
4	0.00	0.00	0.00	0.00	1.64	515.89	4	0.00	0.63	0.00	0.00	0.32	101.90
5	0.00	0.00	0.00	0.00	1.17	514.72	5	0.00	0.63	0.00	0.00	0.23	102.30
6	0.00	0.00	0.00	0.00	1.17	513.55	6	0.00	0.63	0.00	0.00	0.23	102.70
7	0.00	0.00	0.00	0.00	1.10	512.45	7	0.00	0.63	0.00	0.00	0.22	103.11
8	0.00	0.00	0.00	0.00	1.22	511.23	8	0.00	0.63	0.00	0.00	0.24	103.50
9	0.00	0.00	0.00	0.00	0.87	510.36	9	0.00	0.63	0.00	0.00	0.18	103.95
10	0.00	0.00	0.00	0.00	1.24	509.12	10	0.00	0.63	0.00	0.00	0.25	104.33
11	0.00	0.00	0.00	0.00	1.00	508.12	11	0.00	0.63	0.00	0.00	0.21	104.75
12	0.00	0.00	0.00	0.00	1.00	507.12	12	0.00	0.53	0.00	0.00	0.21	105.17
13	0.00	0.00	0.00	0.00	1.00	506.12	13	0.00	0.63	0.00	0.00	0.21	105.59
14	0.00	0.00	0.00	0.00	0.95	505.17	14	0.00	0.63	0.00	0.00	0.20	106.02
15	0.00	0.00	0.00	0.00	1.37	503.80	15	0.00	0.63	0.00	0.00	0.29	106.36
16	0.00	0.00	0.00	0.00	1.23	502.57	16	0.00	0.63	0.00	0.00	0.26	106.73
17	0.00	0.00	0.00	0.00	1.85	500.72	17	0.00	0.63	0.00	0.00	0.39	106.97
18	0.00	0.00	0.00	0.00	0.85	499.87	18	0.00	0.63	0.00	0.00	0.18	107.42
19	0.00	0.00	0.00	0.00	0.99	498.88	19	0.00	0.63	0.00	0.00	0.21	107.84
20	0.00	0.00	0.00	0.00	0.99	497.89	20	0.00	0.63	0.00	0.00	0.21	108.26
21	0.00	0.00	0.00	0.00	0.99	496.90	21	0.00	0.63	0.00	0.00	0.22	108.67
22	0.00	0.00	0.00	0.00	0.78	496.12	22	0.00	0.63	0.00	0.00	0.17	109.13
23	0.00	0.00	0.00	0.00	1.43	494.69	23	0.00	0.63	0.00	0.00	0.31	109.45
24	0.00	0.00	0.00	0.00	1.04	493.65	24	0.00	0.63	0.00	0.00	0.23	109.85
25	0.00	0.00	0.00	0.00	1.23	492.42	25	0.00	0.63	0.00	0.00	0.27	110.21
26	0.00	0.00	0.00	0.00	1.10	491.32	26	0.00	0.63	0.00	0.00	0.25	110.59
27	0.00	0.00	0.00	0.00	1.08	490.24	27	0.00	0.63	0.00	0.00	0.24	110.98
28	0.00	0.00	0.00	0.00	1.02	489.22	28	0.00	0.63	0.00	0.00	0.23	111.38
29	0.00	0.00	0.00	0.00	1.09	488.13	29	0.00	0.63	0.00	0.00	0.25	111.76
30	0.00	0.00	0.00	0.00	0.31	487.82	30	0.00	0.63	0.00	0.00	0.07	112.32
0.00 0.00 0.00 0.00 32.30							0.00 26.59 0.00 0.00 6.78						

Offset Account

October 2003

OffsetAccount-ReturnFlow						OffsetAccount-ReturnFlow							
Totals						RF Transit Loss							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						900.17							300.03
1	0.00	7.33	0.00	0.00	1.19	906.31	1	0.00	0.00	0.00	0.00	0.40	299.63
2	0.00	0.55	0.00	0.00	0.84	906.02	2	0.00	0.00	0.00	0.00	0.28	299.35
3	0.00	0.55	0.00	0.00	1.29	905.28	3	0.00	0.00	0.00	0.00	0.43	298.92
4	0.00	0.55	0.00	0.00	1.28	904.55	4	0.00	0.00	0.00	0.00	0.42	298.50
5	0.00	0.55	0.00	0.00	1.33	903.77	5	0.00	0.00	0.00	0.00	0.44	298.06
6	0.00	0.55	0.00	0.00	1.91	902.41	6	0.00	0.00	0.00	0.00	0.63	297.43
7	0.00	0.55	49.03	0.00	1.03	852.90	7	0.00	0.00	6.84	0.00	0.34	290.25
8	0.00	0.55	0.00	0.00	1.30	852.15	8	0.00	0.00	0.00	0.00	0.44	289.81
9	0.00	0.55	0.00	0.00	2.26	850.44	9	0.00	0.00	0.00	0.00	0.77	289.04
10	0.00	0.55	0.00	0.00	1.85	849.14	10	0.00	0.00	0.00	0.00	0.63	288.41
11	0.00	0.55	0.00	0.00	1.86	847.83	11	0.00	0.00	0.00	0.00	0.63	287.78
12	0.00	0.55	0.00	0.00	1.86	846.52	12	0.00	0.00	0.00	0.00	0.63	287.15
13	0.00	0.55	0.00	0.00	1.90	845.17	13	0.00	0.00	0.00	0.00	0.64	286.51
14	0.00	0.55	0.00	0.00	1.94	843.78	14	0.00	0.00	0.00	0.00	0.66	285.85
15	0.00	0.55	0.00	0.00	1.61	842.72	15	0.00	0.00	0.00	0.00	0.54	285.31
16	0.00	0.55	0.00	0.00	1.57	841.70	16	0.00	0.00	0.00	0.00	0.53	284.78
17	0.00	0.55	0.00	0.00	1.36	840.89	17	0.00	0.00	0.00	0.00	0.46	284.32
18	0.00	0.55	0.00	0.00	1.36	840.08	18	0.00	0.00	0.00	0.00	0.46	283.86
19	0.00	0.55	0.00	0.00	1.27	839.36	19	0.00	0.00	0.00	0.00	0.43	283.43
20	0.00	0.55	0.00	0.00	2.30	837.61	20	0.00	0.00	0.00	0.00	0.78	282.65
21	0.00	0.55	0.00	0.00	1.71	836.45	21	0.00	0.00	0.00	0.00	0.58	282.07
22	0.00	0.55	0.00	0.00	1.33	835.67	22	0.00	0.00	0.00	0.00	0.45	281.62
23	0.00	0.55	0.00	0.00	1.54	834.68	23	0.00	0.00	0.00	0.00	0.52	281.10
24	0.00	0.55	0.00	0.00	1.28	833.95	24	0.00	0.00	0.00	0.00	0.43	280.67
25	0.00	0.55	0.00	0.00	1.25	833.25	25	0.00	0.00	0.00	0.00	0.42	280.25
26	0.00	0.55	0.00	0.00	1.19	832.61	26	0.00	0.00	0.00	0.00	0.40	279.85
27	0.00	0.55	0.00	0.00	0.86	832.30	27	0.00	0.00	0.00	0.00	0.29	279.56
28	0.00	0.55	0.00	0.00	0.69	832.16	28	0.00	0.00	0.00	0.00	0.23	279.33
29	0.00	0.55	0.00	0.00	2.24	830.47	29	0.00	0.00	0.00	0.00	0.75	278.58
30	0.00	0.55	0.00	0.00	0.35	830.67	30	0.00	0.00	0.00	0.00	0.12	278.46
31	0.00	6.97	42.57	0.00	0.47	794.60	31	0.00	0.00	6.04	0.00	0.16	272.26
	0.00	30.25	91.60	0.00	44.22		0.00	0.00	12.88	0.00	0.00	14.89	

OffsetAccount-ReturnFlow						OffsetAccount-ReturnFlow							
Return Flow						Keesee Winter							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						487.82							112.32
1	0.00	0.00	0.00	0.00	0.64	487.18	1	0.00	7.33	0.00	0.00	0.15	119.50
2	0.00	0.00	0.00	0.00	0.45	486.73	2	0.00	0.55	0.00	0.00	0.11	119.94
3	0.00	0.00	0.00	0.00	0.69	486.04	3	0.00	0.55	0.00	0.00	0.17	120.32
4	0.00	0.00	0.00	0.00	0.69	485.35	4	0.00	0.55	0.00	0.00	0.17	120.70
5	0.00	0.00	0.00	0.00	0.71	484.64	5	0.00	0.55	0.00	0.00	0.18	121.07
6	0.00	0.00	0.00	0.00	1.02	483.62	6	0.00	0.55	0.00	0.00	0.26	121.36
7	0.00	0.00	42.19	0.00	0.55	440.88	7	0.00	0.55	0.00	0.00	0.14	121.77
8	0.00	0.00	0.00	0.00	0.67	440.21	8	0.00	0.55	0.00	0.00	0.19	122.13
9	0.00	0.00	0.00	0.00	1.17	439.04	9	0.00	0.55	0.00	0.00	0.32	122.36
10	0.00	0.00	0.00	0.00	0.95	438.09	10	0.00	0.55	0.00	0.00	0.27	122.64
11	0.00	0.00	0.00	0.00	0.96	437.13	11	0.00	0.55	0.00	0.00	0.27	122.92
12	0.00	0.00	0.00	0.00	0.96	436.17	12	0.00	0.55	0.00	0.00	0.27	123.20
13	0.00	0.00	0.00	0.00	0.98	435.19	13	0.00	0.55	0.00	0.00	0.28	123.47
14	0.00	0.00	0.00	0.00	1.00	434.19	14	0.00	0.55	0.00	0.00	0.28	123.74
15	0.00	0.00	0.00	0.00	0.83	433.36	15	0.00	0.55	0.00	0.00	0.24	124.05
16	0.00	0.00	0.00	0.00	0.81	432.55	16	0.00	0.55	0.00	0.00	0.23	124.37
17	0.00	0.00	0.00	0.00	0.70	431.85	17	0.00	0.55	0.00	0.00	0.20	124.72
18	0.00	0.00	0.00	0.00	0.70	431.15	18	0.00	0.55	0.00	0.00	0.20	125.07
19	0.00	0.00	0.00	0.00	0.65	430.50	19	0.00	0.55	0.00	0.00	0.19	125.43
20	0.00	0.00	0.00	0.00	1.18	429.32	20	0.00	0.55	0.00	0.00	0.34	125.64
21	0.00	0.00	0.00	0.00	0.87	428.45	21	0.00	0.55	0.00	0.00	0.26	125.93
22	0.00	0.00	0.00	0.00	0.68	427.77	22	0.00	0.55	0.00	0.00	0.20	126.28
23	0.00	0.00	0.00	0.00	0.79	426.98	23	0.00	0.55	0.00	0.00	0.23	126.60
24	0.00	0.00	0.00	0.00	0.66	426.32	24	0.00	0.55	0.00	0.00	0.19	126.96
25	0.00	0.00	0.00	0.00	0.64	425.68	25	0.00	0.55	0.00	0.00	0.19	127.32
26	0.00	0.00	0.00	0.00	0.61	425.07	26	0.00	0.55	0.00	0.00	0.18	127.69
27	0.00	0.00	0.00	0.00	0.44	424.63	27	0.00	0.55	0.00	0.00	0.13	128.11
28	0.00	0.00	0.00	0.00	0.35	424.28	28	0.00	0.55	0.00	0.00	0.11	128.55
29	0.00	0.00	0.00	0.00	1.14	423.14	29	0.00	0.55	0.00	0.00	0.35	128.75
30	0.00	0.00	0.00	0.00	0.18	422.96	30	0.00	0.55	0.00	0.00	0.05	129.25
31	0.00	0.00	36.53	0.00	0.24	386.19	31	0.00	6.97	0.00	0.00	0.07	136.15
	0.00	0.00	78.72	0.00	22.91		0.00	30.25	0.00	0.00	0.00	6.42	

Enclosure 3

Consumptive Use Values for LAWMA's Water Rights in the Keesee Ditch

RECEIVED
APR 07 2003
DIVISION ENGINEER
PUEBLO, COLORADO

HELTON & WILLIAMSSEN, P.C.
CONSULTING ENGINEERS IN WATER RESOURCES
384 INVERNESS PARKWAY, SUITE 144
ENGLEWOOD, COLORADO 80112-5822
PHONE (303) 792-2161
FAX (303) 792-2165

April 4, 2003

Mr. Steven J. Witte
Colorado Division of Water Resources
310 E. Abriendo, Suite B
Pueblo, Colorado 81004

Subject: Amendment to LAWMA's Rule 14 Plan to add the
Keesee Water Rights as a Replacement Source

Dear Steve:

This letter requests an amendment to LAWMA's 2003 Rule 14 Plan. The requested change is to add an additional source of replacement water. LAWMA has leased the Keesee Ditch water rights for the next two years and intends to use these water rights as a replacement source in its Rule 14 Plan. A copy of LAWMA's agreement with Mary Alice Broyles, Jake O. Broyles Trust No. 1, and Prowers Enterprises, the owners of the Keesee Ditch and water right and hereinafter referred to as the "Broyles" is included as Attachment 1. It can be seen in this agreement that LAWMA also has a purchase contract for the outright purchase of one-half the water right.

LANDS TO BE DRIED UP

The Broyles will not use the Keesee surface water rights in 2003 and 2004. All the 1,904 acres historically irrigated under the Keesee Ditch will be dried up relative to the surface water diversions. This land is shown in Attachment 2. It is noted that 476 acres of this 1,904 acres will be irrigated with the Broyles' irrigation wells, to the extent that the Broyles' LAWMA shares permit such irrigation.

HISTORICAL CONSUMPTIVE USE

LAWMA is proposing consumptive use and stream depletion factors that were derived from H-I Model output and efficiency factors. The "Compact run" version of the H-I Model used to quantify the 1986-1996 depletions was utilized. Attachment 3 shows pertinent annual data and derives annual consumptive use and farm efficiency values. Attachment 4 shows the average monthly results.

VOLUMETRIC LIMITATIONS

LAWMA is proposing to limit the consumptive use credits according to the consumptive use values in columns 12 and 14 of Attachment 3. The average annual consumptive use was 3,201 acre-feet per year during 1950-94; however, we don't believe this average is reflective of either the current usage of the Keesee Ditch or the credits that will be predicted by the H-I Model for the Keesee in the future. Therefore, LAWMA is proposing to use 3,666 as the annual limit on consumptive use credit for 2003. This value was determined as the sum of 3,522 acre-feet, the

average consumptive use during 1980-94, and 144 acre-feet, the average winter return flow which is discussed later.

SOLE SOURCE WELLS

The depletion factors for the wells that Mr. Broyles will use to irrigate sole source lands will be 61.1 percent. This is the average farm efficiency associated with the Keesee surface water rights as shown in column 13.

OPERATIONS IN 2003

LAWMA is proposing to store the consumptive use portion of its Keesee water in the Offset Account in John Martin Reservoir. It would appear that Article 14 of the Offset Account resolution contemplates the storage of the direct flow portion of the Keesee water as well as the Keesee Article II Account water. During the irrigation season of April 1 to October 31, the direct flow water available to the Keesee water rights under the Colorado Priority System will be determined by the Division 2 office. Only the consumptive use portion of the diversions will be stored in the Offset Account. The remaining portion will be left in the river to replace historical return flows. The percentage of consumptive use is shown in row 16 of Attachment 4 for each month. Keesee Article II Account water will be treated as 63.5 percent consumptive, which percentage is the annual value from row 16 of Attachment 4. If LAWMA is not allowed to store the Keesee direct flow water in John Martin Reservoir, then LAWMA will work with the Division 2 office to develop a plan to measure the direct flow water available under the Keesee water right.

Row 16 of Attachment 4 shows that winter return flows average 143.7 acre-feet or 4.30 percent of the April-through-October consumptive use. LAWMA proposes to make the required replacements for this historical winter time return flow in the Offset Account.

LAWMA is presently analyzing the subirrigation issues on this Keesee land and will provide the results of the analysis as soon as it can. If it turns out that credits need to be revised because of potential subirrigation, these revisions can be made retroactively or reductions can be made to the remaining credits.

As you know, LAWMA has a critical need for this expensive source of replacement water and therefore requests that you consider this request as soon as possible. Please let me know if you have any questions or need additional information.

Sincerely yours,

HELTON & WILLIAMSEN, P.C.

Randy Wendling
for James E. Slattery

JES/mlc

Enclosure

cc: Donald F. Higbee w/enc.
David L. Harrison w/enc.

WATER RIGHTS PURCHASE AND SALE AGREEMENT

This Water Rights Purchase and Sale Agreement (hereinafter referred to as the "Agreement") is made and entered this 2nd day of April, 2003 (the "Effective Date"), by and between Mary Alice Broyles, Jake O. Broyles Trust No. 1, and Prowers Enterprises, LLC (jointly referred to as "Seller") whose address is c/o William O. Broyles, P.O. Box 793, Lamar, CO 81052, and Lower Arkansas Water Management Association, a Colorado non-profit corporation ("LAWMA" or "Purchaser") whose address is P. O. Box 1161, Lamar, Colorado 81052.

RECITALS

A. Seller is the owner of the Keesee Ditch, the headgate of which is located on the South bank of the Arkansas River in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 1, Township 23 South, Range 49 West of the 6th P.M. in Bent County, Colorado. Seller owns all the water rights decreed to the Keesee Ditch and is entitled to all rights associated with the Keesee storage account in John Martin Reservoir. Seller's water rights in the Keesee Ditch and Seller's rights to the Keesee storage account in John Martin Reservoir are referred to herein as the "Keesee Water Rights" and are described as follows:

1. Nine cubic feet per second (9 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of March 13, 1871 representing Priority No. 1 in the Water District No. 67.
2. Four and one-half cubic feet per second (4.5 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of December 31, 1883 representing Priority No. 4 in the Water District No. 67.
3. Fifteen cubic feet per second (15 cfs) decreed to the Keesee Ditch by the Bent County District Court on October 14, 1918 with an appropriation date of September 3, 1893.
4. The Keesee storage account in John Martin Reservoir arising under the 1980 Operating Plan for John Martin Reservoir, which plan was adopted as a Resolution of the Arkansas River Compact Administration on April 24, 1980 and amended on May 10, 1984 and December 11, 1984. Under the 1980 Operating Plan for John Martin Reservoir, the Keesee storage account is allotted 2.30% of

the Colorado Water District No. 67 ditches' entitlement to conversation storage in the reservoir.

B. Seller also owns the 1400 acres of Land historically irrigated by the Keesee Water Rights, as generally shown on Exhibit A, attached hereto and incorporated herein by reference (hereinafter referred to as the "Land").

C. The Keesee Water Rights are subject to a pending application, as amended, for change of water rights, filed by Seller in District Court, Water Division 2, in Case No. 82CW130 (hereinafter referred to as the "Change Application"); which application seeks to change the place and type of use and to adjudicate certain exchanges to storage of the Keesee Water Rights.

D. Purchaser desires to purchase from Seller one-half ($\frac{1}{2}$) of the Keesee Water Rights (hereinafter referred to as the "Water Rights") described as follows:

1. Four and one-half cubic feet per second (4.5 cfs) of a total of nine cubic feet per second (9 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of March 13, 1871 representing Priority No. 1 in the Water District No. 67.
2. Two and one-quarter cubic feet per second (2.25 cfs) of a total of four and one-half cubic feet per second (4.5 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of December 31, 1883 representing Priority No. 4 in the Water District No. 67.
3. Seven and one-half cubic feet per second (7.5 cfs) of a total of fifteen cubic feet per second (15 cfs) decreed to the Keesee Ditch by the Bent County District Court on October 14, 1918 with an appropriation date of September 3, 1893.
4. One-half ($\frac{1}{2}$) of Sellers right, title and interest, including contract rights, to the Keesee storage account in John Martin Reservoir arising under the 1980 Operating Plan for John Martin Reservoir, which plan was adopted as a Resolution of the Arkansas River Compact Administration on April 24, 1980 and amended on May 10, 1984 and December 11, 1984. Under the 1980 Operating Plan for John Martin Reservoir, the Keesee storage account is allotted 2.30% of the Colorado Water District No. 67 ditches' entitlement to conversation storage in the reservoir.

E. The purchase of the Water Rights also includes a right to an Easement for use of the Keesee Ditch and for construction of an augmentation station as more particularly set forth in Section 1.11 (hereinafter referred to as the "Easement"); a covenant to dry-up one-half (½) (i.e. 700 acres) of the Land (the "Dry-Up Land"), as described in Exhibit B, attached hereto and incorporated herein by reference (hereinafter referred to as the "Dry-Up Covenant"); a covenant to re-vegetate the Dry-Up Land, as more specifically described in Exhibit B, attached hereto and incorporated herein by reference (hereinafter referred to as the "Revegetation Covenant"); and a right of entry to and upon the Dry-Up Land, as more specifically described in Exhibit B, attached hereto and incorporated herein by reference (hereinafter referred to as the "Right of Entry").

F. The Water Rights, the Dry-Up Covenant, the Revegetation Covenant and the Right of Entry are jointly referred to in this Agreement as the "Water Assets."

G. Accordingly, Seller and Purchaser wish to enter into this Agreement to provide for the sale of the Water Assets from Seller to Purchaser.

SECTION 1 - PURCHASE AGREEMENT

In consideration of the mutual agreements contained herein and other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, and upon the terms and subject to the conditions expressed herein, Seller and Purchaser agree as follows:

1.1 Purchase Price and Real Property being Purchased.

- a. The Purchase Price for the Water Assets shall be \$2,250,000.00 (hereinafter referred to as the "Purchase Price"), which shall be payable as follows:
 - i. \$150,000.00 (the "Earnest Money") non-refundable payment shall be paid to Seller within ten business days of the Effective Date of this Agreement. If closing does occur the Earnest Money shall be credited towards the Purchase Price.
 - ii. The balance of the Purchase Price less any amount paid for the release of any liens or encumbrances at closing (hereinafter referred to as the "Final Payment") shall be delivered to Seller in cash or certified funds at closing.
- b. The Real Property being Purchased for such Purchase Price shall include:
 - i. The Water Rights; and

- ii. The Easement; and
- iii. The Dry-Up Covenant; and
- iv. The Revegetation Covenant; and
- v. The Right of Entry; and
- vi. Use of the water attributable to Seller's retained interest in one-half (1/2) of the Keesee Water Rights as more particularly set forth in section 1.8, below of this Agreement.

1.2 Due Diligence. Purchaser shall have sixty (60) days from the Effective Date of this Agreement (the "Diligence Period") to conduct whatever due diligence investigations it desires concerning the Water Assets. To the extent not already provided, within five (5) days of the Effective Date of this Agreement, Seller will furnish to Purchaser copies of all documents or reports in its possession or otherwise reasonably available to Seller relating to or affecting title to the Water Rights and any and all engineering reports, estimates, or other documents in its possession relating to or concerning the historical use of the Water Rights, including the historical consumptive use and the historical stream depletions of the Water Rights and all evidence of Seller's rights to use the Keesee storage account in John Martin Reservoir. Such documents may include, but are not limited to, the following:

- a. Any title commitments or title abstracts in Seller's possession related to the Land or related to the Water Rights.
- b. Any deed, stock certificate, contract or other instrument conveying or assigning the Land and/or the Water Rights to Seller or his predecessors.
- c. Any deed from any person or entity which conveyed to Seller (or any entity in which Seller held an interest) real property on which the Water Rights have been used.
- d. Any document evidencing or constituting an encumbrance on the Water Rights, including, but not limited to, a copy of Seller's mortgage, if any.

If, as a result of its investigations during the Diligence Period, Purchaser determines that Seller's title to or any other aspects of the Water Assets are not satisfactory to Purchaser, Purchaser may terminate this Agreement by written notice to Seller delivered prior to expiration of the Diligence Period in which event the parties shall be relieved of all obligations hereunder, except Purchaser's obligation to make the Additional Payment as set forth in Section 4.2.a. If, as a result of investigations during the Diligence Period, there are any title defects

discovered regarding the Water Assets, Purchaser may provide written notice to Seller of those defects prior to the expiration of the Diligence Period. If such notice is given, then Seller shall have thirty (30) days in which to cure said title defects. If Seller is able to cure the title defects and provides evidence and written notice of such cure within the thirty-day cure period, then Purchaser shall have ten (10) days from the written notice of cure to accept such cure and go forward with this Agreement or to terminate the Agreement. If Seller fails or is unable to cure said title defects, then Purchaser shall have ten (10) days from written notice that Seller is unable to cure the title defects or ten (10) days from the expiration of Seller's cure period, whichever is earlier, to elect to terminate this Agreement or to waive said title defects and go forward with this Agreement by giving written notice to Seller. Absent any notice of termination or notice of title defect within the Diligence Period, or absent any notice or election of termination within ten (10) days of the expiration of the cure period, Purchaser shall be deemed to have accepted the status of Seller's title to the Water Assets.

1.3 Amendment of Change Application. Upon the Effective Date of this Agreement, Purchaser and Seller will begin to seek a stipulation from each of the objectors in the Change Application stipulating to the dismissal of the Change Application. These stipulations will not be executed until after Purchaser has given Seller notice that the loan application to be submitted to the Colorado Water Conservation Board has been approved. Said dismissal shall be without prejudice and without conditions except those conditions specifically approved by Purchaser in its sole discretion. If stipulations with all objectors in the Change Application as set forth above are not reached by, the date 20 days after the date upon which Purchaser has given Seller notice that the loan application to be submitted to the Colorado Water Conservation Board has been approved, Seller shall file a motion to dismiss Case No. 82CW130, without prejudice and without conditions except for conditions specifically agreed upon by Purchaser. Seller covenants that it will diligently pursue the dismissal of the Change Application under the terms described herein. Purchaser may, at its sole discretion, move to intervene as an objector in Case No. 82CW130, in which case Seller shall not oppose Purchaser's intervention.

1.4 Dry-Up Covenant and Designation of Permanent Dry-Up Land.

- a. Seller acknowledges that the Water Rights will not be used on the Dry-Up Land except for the purposes of revegetation as required by the Revegetation Covenant, and that the Dry-Up Land described in Exhibit B is subject to dry-up. Purchaser and Seller acknowledge that the Dry-Up Land described in Exhibit B was chosen by Purchaser and Seller based on their current best efforts to identify acreage for dry-up that is both practical for Seller to permanently dry-up, taking into consideration Seller's future agricultural operations, and that is acceptable to Purchaser for permanent dry-up, taking into account Purchaser's need to maximize the consumptive use credits for the Water Rights. Purchaser and Seller further acknowledge that, pursuant to Section 1.9.a.viii., a condition precedent to Seller's obligation to purchase

the Water Assets and perform its obligations hereunder is that the Dry-Up Land must be acceptable to Purchaser as of closing.

- b. Purchaser and Seller agree that, prior to closing, the Dry-Up Land may be shifted to other parcels of land historically irrigated with the Keesee Water Rights but only upon mutual consent of the parties hereto. If a shift in the Dry-Up Land has not been mutually consented to by the parties hereto prior to closing then the Dry-Up Land described in Exhibit B shall automatically become permanent and shall be incorporated into the special warranty deed conveying the Water Assets from Seller to Purchaser at closing as set forth in Section 2.2.a.
- c. Purchaser and Seller further agree that, after closing, the Dry-Up Land may be shifted to other parcels of land historically irrigated with the Keesee Water Rights but only upon mutual consent of the parties hereto. If a shift in the Dry-Up Land after closing has not been mutually consented to by the parties hereto by December 31, 2005 then the Dry-Up Land described and depicted in the special warranty deed conveying the Water Assets from Seller to Purchaser at closing as set forth in Section 2.2.a. shall automatically become permanent and may no longer be shifted at the request of Purchaser or Seller.
- d. Purchaser and Seller agree to use their best efforts and to negotiate in good faith to resolve any request made pursuant to this Section 1.4 to shift the Dry-Up Land to other parcels of land historically irrigated with the Keesee Water Rights.
- e. Any request made pursuant to this Section 1.4 to shift the Dry-Up Land to other parcels of land historically irrigated with the Keesee Water Rights shall be made in writing and shall specifically identify the proposed shift of the Dry-Up Land. Seller or Purchaser may withhold its consent to any such request by the other party for a shift in the Dry-Up Land provided that such consent is not unreasonably withheld.
- f. Seller and Purchaser agree to execute and deliver such documents and writings as may be required to accomplish a shift of the Dry-Up Land that has been mutually consented to by the parties hereto in accordance with the terms of this Section 1.4.
- g. The perimeter boundary of the Dry-Up Land shall be monumented by April 1, 2006 as required by the Division Engineer at Seller's cost.

1.5 Revegetation Requirements. Seller agrees to be responsible for revegetation of the Dry-Up Land in accordance with the terms and conditions set forth herein and as set forth in the Revegetation Covenant.

- a. Purchaser agrees to provide to Seller, at no cost, sufficient water for revegetation of the Dry-Up Land (the "Revegetation Water"). The Revegetation Water shall either be (1) augmentation water for replacement of the depletions associated with pumping Seller's wells for revegetation of the Dry-Up Land or (2) water attributable to the Water Rights. The amount of Revegetation Water necessary for revegetation shall be determined by Purchaser after consultation with Seller by February 28 of each year in which Purchaser is to provide the Revegetation Water.
- b. Purchaser and Seller shall mutually agree on the time for commencing revegetation of the Dry-Up Land. Provided, however, that revegetation of the Dry-Up Land shall commence no sooner than the 2004 irrigation season and no later than the 2006 irrigation season.
- c. Seller agrees to use its best efforts to ensure that revegetation of the Dry-Up Land is accomplished within a reasonable amount of time, which is estimated to be within three and five years after the commencement of revegetation. The determination that irrigation for revegetation purposes is no longer necessary will be made by Seller, after consultation with Purchaser, but in no event shall Seller continue irrigation for revegetation using Purchaser's Revegetation Water for a period to exceed five years, after the commencement of revegetation, unless the increased irrigation period is specifically approved by Purchaser.
- d. Purchaser reserves the right to cease providing the Revegetation Water upon Purchaser's determination that the water is not being used for revegetation or that the water is being wasted.

1.6 Keesee Storage Account in John Martin Reservoir. The parties agree that, upon Seller's assignment to Purchaser of one-half (1/2) of the Keesee storage account in John Martin Reservoir, as provided herein, Purchaser shall be entitled to operate its interest in said storage account independently from Seller's retained interest.

1.7 Interim Use of Keesee Water Rights. In consideration of the Earnest Money and other good and valuable consideration Seller hereby grants to Purchaser the undisturbed possession and use of the Keesee Water Rights from April 1, 2003 through October 31, 2003 on the terms and conditions set forth herein.

- a. Purchaser's possession and use of the water attributable to the Keesee Water Rights from April 1, 2003 through October 31, 2003 will not be disturbed by Seller or anyone claiming by, through or under Seller. Purchaser shall use the Keesee Water Rights in accordance with applicable laws, rules and regulations. Purchaser shall be responsible for all necessary measurements, gauge readings, notifications, calculations and accounting of diversions and depletions required by the Colorado State Engineer in connection with Purchaser's use of the Keesee Water Rights.
- b. From April 1, 2003 through October 31, 2003, Seller, its successors, assigns, licensees, lessees, agents, or employees shall not irrigate, with any surface or ground water, the Land described in Exhibit A, attached hereto and incorporated herein. Seller agrees to cooperate with Purchaser in taking the necessary steps, as may be required by the Colorado State Engineer, to eliminate any subirrigation on the Land from April 1, 2003 through October 31, 2003, but said steps shall not include killing of the alfalfa presently growing on the Land.

1.8 Purchaser's Use of Seller's Retained Interest in the Keesee Water Rights.

Seller agrees that if Purchaser closes the purchase of the Water Assets then Purchaser shall have the right to the undisturbed possession and use of the water attributable to Seller's retained interest in the Keesee Water Rights (hereinafter referred to as the "Retained Keesee Water Rights"), described as follows, from April 1, 2004 through October 31, 2004:

- a. Four and one-half cubic feet per second (4.5 cfs) of a total of nine cubic feet per second (9 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of March 13, 1871 representing Priority No. 1 in the Water District No. 67.
- b. Two and one-quarter cubic feet per second (2.25 cfs) of a total of four and one-half cubic feet per second (4.5 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceeding in Water District No. 67, with an appropriation date of December 31, 1883 representing Priority No. 4 in the Water District No. 67.
- c. Seven and one-half cubic feet per second (7.5 cfs) of a total of fifteen cubic feet per second (15 cfs) decreed to the Keesee Ditch by the Bent County District Court on October 14, 1918 with an appropriation date of September 3, 1893.

- d. One-half (½) of the right, title and interest, including contract rights, to the Keesee storage account in John Martin Reservoir arising under the 1980 Operating Plan for John Martin Reservoir, which plan was adopted as a Resolution of the Arkansas River Compact Administration on April 24, 1980 and amended on May 10, 1984 and December 11, 1984. Under the 1980 Operating Plan for John Martin Reservoir, the Keesee storage account is allotted 2.30% of the Colorado Water District No. 67 ditches' entitlement to conversation storage in the reservoir.

Seller further agrees that if Purchaser closes the purchase of the Water Assets and thereby obtains the right to the undisturbed possession and use of the water attributable to Seller's Retained Keesee Water Rights, as set forth above, then Seller, its successors, assigns, licensees, lessees, agents or employees shall not irrigate, with any surface or ground water, the Land, as described in Exhibit A, attached hereto and incorporated herein, from April 1, 2004 through October 31, 2004, except for the purposes of revegetation as required by the Revegetation Covenant and Seller shall cooperate with Purchaser in taking the necessary steps, as may be required by the Colorado State Engineer, to eliminate any subirrigation on the Land from April 1, 2004 through October 31, 2004, but said steps shall not include killing the alfalfa presently growing on the Land.

1.9 Conditions Precedent to Purchaser's Obligation.

- a. Purchaser's obligation to purchase the Water Assets and perform its obligations hereunder is expressly conditioned upon the following and the failure of any such condition(s) for any reason shall not constitute a breach of a covenant or condition of this Agreement and shall not constitute an event of default by Purchaser under this Agreement:
 - i. All of Seller's representations and warranties shall be true and correct as of the Effective Date of this Agreement and as of the Closing Date.
 - ii. Seller shall have performed and observed all covenants, agreements and obligations hereunder which are due before or at closing.
 - iii. During the period from the Effective Date of this Agreement to the Closing Date Seller shall not take any action which materially affects the use or value of the Water Assets.

- iv. Seller has entered into stipulations acceptable to Purchaser, with all of the objectors in the Change Application stipulating to the dismissal of the Change Application, or the District Court, Water Division 2 has issued an order dismissing Case No. 82CW130 without prejudice and without conditions or with conditions acceptable to Purchaser.
 - v. At the time of closing, title to the Water Rights shall be good and marketable in the Seller, unless Purchaser has waived the title defects as provided in Section 1.2 above.
 - vi. The Purchase Price does not exceed the value of the Water Assets assessed under an appraisal to be conducted as part of Purchaser's loan application submitted to the Colorado Water Conservation Board.
 - vii. Purchaser has obtained sufficient funding from the Colorado Water Conservation Board to cover the Purchase Price.
 - viii. The Dry-Up Land, as may be shifted pursuant to Section 1.4 of this Agreement prior to closing, must be acceptable to Purchaser as of closing.
- b. In the event that any of the foregoing conditions shall not be met to Purchaser's sole satisfaction, Purchaser may, at its sole discretion, waive the condition(s) not met, agree to modify the condition(s), or decline waiver or modification of the condition(s), in which case Purchaser shall be entitled to the remedies provided in Section 4, below. Any waiver or modification of the condition(s) shall be specified by Purchaser in writing. In the event of a default by Seller, Purchaser shall be entitled to such remedies as are set forth in Section 4, below.

1.10 Seller's Consent and Assistance in Obtaining Documents. Seller hereby consents to and shall assist Purchaser in obtaining information relating to mortgages, deeds of trust, encumbrances, liens, taxes, or adverse claims on the Water Assets, and Seller shall authorize any holder of such mortgages, deeds of trust, encumbrances, liens or adverse claims to release such information to Purchaser.

1.11 The Easement and Construction of Augmentation Station. As of the Effective Date of this Agreement Purchaser does not know whether it may be required by the Water Court for Water Division No. 2 or the Division Engineer for Water Division No. 2 to physically divert the Water Rights into the Keesee Ditch for delivery to the Arkansas River

through an augmentation station in order to receive consumptive use credits for the Water Rights and Dry-Up Land. If Purchaser is required or desires to physically divert the Water Rights into the Keesee Ditch then Seller agrees to convey to Purchaser, for no additional consideration, the Easement for the use, operation and maintenance of the Keesee Diversion Dam, the Keesee Ditch, including any laterals or wasteways, and for the construction of an augmentation station as more specifically set forth below:

- a. Purchaser's request for the conveyance of the Easement by Seller shall be made, in writing, within ten years of the Closing Date. If Purchaser does not make a written request for Seller to convey the Easement within ten years of the Closing Date then Seller's obligation to convey the Easement to Purchaser shall automatically terminate.
- b. Seller agrees that the Easement conveyed to Purchaser will be sufficient in scope and extent for Purchaser's purposes which may include use of the Keesee Diversion Dam, Keesee Ditch and appurtenant facilities and may also include the construction of an augmentation station and all related facilities for measurement and delivery of the Water Rights, after diversion into the Keesee Ditch, back to the Arkansas River. The Easement shall include reasonable access to the Keesee Diversion Dam and Ditch and augmentation station, including any laterals or wasteways burdened by the Easement, along the bank of said structures and through said structures for use, maintenance, repair or cleaning and for construction of the augmentation station with such mechanized equipment as may be needed. The Easement shall also include reasonable use of the Land adjacent to the ditch, laterals or wasteways burdened by the Easement for placement of materials removed from the ditch, laterals or wasteways during cleaning or repair and for placement of materials used in the construction of the Augmentation Station.
- c. Purchaser agrees that any Easement conveyed under this Section will include an obligation for Purchaser to pay one-half of the regular operation and maintenance costs of whatever portion of the Keesee Ditch, and any laterals and related facilities that are used by Purchaser in the use of the Easement and Augmentation Station.
- d. Purchaser and Seller agree to use their best efforts to work out specific language for the Easement and to resolve any issues they may have related to the Easement.
- e. Seller agrees to convey the Easement by statutory special warranty deed free and clean of all liens and encumbrances.

1.12 Maintenance Costs of Keesee Diversion Dam. Purchaser acknowledges that the Broyles Family has historically shared costs with the Fort Bent Ditch Company ("Fort Bent"), for the joint use and maintenance of the Keesee Diversion Dam under which the Keesee owners paid one-third of the operation and maintenance costs of the Diversion Dam, and Fort Bent paid two-thirds of said costs. Purchaser agrees that, unless and until the owners of the Keesee Water Rights renegotiate this historical arrangement to share costs with Fort Bent for the joint use and maintenance of the Keesee Diversion Dam, that after closing, regardless of whether it requests the Easement pursuant to Section 1.11 above, it will pay one-half of one-third of these costs as its pro-rata share attributable to the ownership of the Water Rights upon receipt of a written invoice describing such costs.

SECTION 2 - CLOSING

2.1 Date and Place of Closing. Subject to the terms and conditions set forth herein, the closing of the sale of the Water Assets shall take place at 10:00 a.m. on October 1, 2003, at the office of Purchaser, or on such other date or at such other place mutually acceptable to the parties.

2.2 Conduct of Closing. At closing, the following shall occur each of which shall be a condition precedent to the others:

- a. Seller shall convey the Water Assets (i.e. the Water Rights, together with the Dry-Up Covenant, the Revegetation Covenant and the Right of Entry) to Purchaser by execution and delivery of a special warranty deed in the form attached hereto as Exhibit C free and clear of all liens and encumbrances, except any title defects expressly waived by Purchaser pursuant to Sections 1.2 or 1.9.b. of this Agreement.
- b. Seller shall convey to Purchaser one-half (1/2) of Seller's right, title and interest in the Keesee storage account in John Martin Reservoir by execution and delivery of an assignment in the form attached hereto as Exhibit D.
- c. Seller shall execute and deliver to Purchaser the Affidavit of Use in the form attached hereto as Exhibit E.
- d. Purchaser shall deliver to Seller the Final Payment in cash or certified funds.
- e. The parties will execute and deliver to each other any other documents reasonably required to properly close the transaction.

SECTION 3 - REPRESENTATIONS, WARRANTIES AND COVENANTS

3.1 Representations, Warranties, and Covenants of Seller. Seller represents, warrants and covenants to Purchaser as of the Effective Date and as of closing as follows:

- a. Seller covenants and agrees to support and cooperate fully with Purchaser in any future proceeding involving the Water Rights brought by Purchaser before any applicable administrative, water court or other judicial proceeding. Such support and cooperation shall include, but not be limited to, producing documents and giving testimony in court regarding the historic use of the Water Rights. Seller further agrees not to oppose any such proceeding.
- b. Prior to the closing date, Seller:
 - i. Shall not dispose of any interest in the Water Assets or pledge or subject to any lien or encumbrance any interest in the Water Assets.
 - ii. Shall not abandon the Water Rights.
 - iii. Shall not implement changes to the historic use of the Water Rights.
 - iv. Shall not apply for any change in the historic use of the Water Rights in either Water Court or administratively before the Colorado State Engineer, except as otherwise provided in this Agreement. Purchaser and Seller recognize that an application to change the type and place of use of the Keese Water Rights, including the Water Rights, is currently pending in Case No. 82CW130.
- c. During Seller's ownership of the Land, the Water Rights have been used at the location and in the manner described in the Affidavit of Use attached hereto as Exhibit E. Seller hereby acknowledges that Purchaser entered into this Agreement in reliance upon Seller's affirmation at closing of the representations contained in the Affidavit of Use.
- d. Seller has not intended to abandon the Water Rights during its ownership of the Water Rights and no such abandonment has been caused by it.
- e. There is no pending or threatened litigation, condemnation or eminent domain action, administrative proceeding or real estate tax

protest or proceeding pending or threatened against or affecting the ownership or use of the Water Assets, or of any portion thereof which may have a materially adverse effect on the value or use of, or title to the Water Assets.

- f. Seller has all necessary authority to enter into this Agreement and to perform the obligations hereunder, and the consummation of this transaction will not violate any material contracts to which Seller is a party, and this Agreement and all other documentation required by Purchaser hereunder, when duly executed and delivered, shall constitute the valid and binding obligation of Seller, enforceable in accordance with its terms.
- g. Execution of this Agreement will not result in the breach of any of the terms and conditions of or constitute a default under any mortgage, lease, encumbrance or any agreement or instrument to which Seller is a party or by which Seller is bound.

3.2 Representations, Warranties and Covenants of Purchaser. Purchaser represents, warrants and covenants to Seller as follows:

- a. Purchaser is a non-profit corporation duly formed and validly existing in the State of Colorado.
- b. Purchaser has all authority necessary to enter into this Agreement, and when executed and delivered this Agreement shall constitute a valid and binding obligation of Purchaser, enforceable in accordance with its terms.

SECTION 4 - DEFAULT AND REMEDIES

4.1 **Notice and Cure Rights.** An event of default hereunder shall not be deemed to have occurred unless the non-defaulting party provides written notice of default to the defaulting party setting forth the nature of the default and the curative actions required, and the defaulting party does not cure such default (a) within three (3) business day of such notice in the event the default is the failure to pay money, or (b) within thirty (30) days of such notice in case of other types of defaults.

4.2 **Remedies.** Time is of the essence. Upon an event of default hereunder under any provisions of this Agreement, the non-defaulting party shall be entitled to the following remedies, unless otherwise provided in this Agreement:

- a. If Purchaser shall default in its obligation to purchase the Water Assets, Seller shall be entitled to retain all of the Earnest Money. Additionally, if Purchaser does not close the purchase of the Water Assets for any reason, Purchaser shall pay to Seller, in cash or certified funds, \$150,000.00 on or before February 15, 2004 (the "Additional Payment"). If Purchaser shall breach any covenant or condition or default in its obligations hereunder, Seller may elect to treat this Agreement as terminated and to retain the Earnest Money and the Additional Payment as liquidated damages. Alternatively, Seller may elect to treat this Agreement as being in full force and effect and shall have the right to an action for specific performance and damages.
- b. If Seller shall breach any covenant or condition or default in its obligations hereunder, Purchaser may elect to treat this Agreement as terminated. Alternatively, Purchaser may elect to treat this Agreement as being in full force and effect and shall have the right to an action for specific performance and damages.

4.3 **Attorney Fees.** In the event of any litigation between the parties arising out of this Agreement, the prevailing party shall be reimbursed by and entitled to recover from the other party all reasonable costs and expenses incurred in such proceedings, including reasonable attorney fees and costs.

SECTION 5 - GENERAL PROVISIONS

5.1 **Survival.** Seller's representations, agreements and warranties set forth herein, except as they may be fully performed prior to or on the Closing Date, shall not merge into the special warranty deed for the Water Rights, together with the Dry-Up Covenant, the Revegetation Covenant and the Right of Entry or the Assignment of one-half (1/2) of Seller's right, title and interest in the Keesee Storage Account in John Martin Reservoir; shall survive the

closing and the delivery of the deed and the assignment; and shall be enforceable at law or in equity.

5.2 Entire Agreement. This Agreement embodies the entire understanding and agreement between Purchaser and Seller and supercedes any and all prior negotiations, understanding or agreements regarding the subject matter hereof. This Agreement may not be changed or amended except by an instrument in writing signed by both parties. No waiver of any of the provisions of this Agreement shall be valid unless in writing and signed by the party against whom it is sought to be enforced. The failure of a party to insist in one or more cases upon the strict performance of any covenants or conditions of this Agreement shall not be construed as a waiver or relinquishment in any future case of such covenant or condition.

5.3 Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Colorado.

5.4 Further Assurances. Each of the parties hereto undertakes and agrees to execute and deliver such documents, writings and further assurances as may be required to carry out the intent and purpose of this Agreement.

5.5 Brokers. Seller represents and warrants that it has not engaged or utilized the services of any broker on this transaction and shall indemnify and hold Purchaser harmless from and against any such broker's or finders fee's. Purchaser represents and warrants that it has not engaged or utilized the services of any broker in this transaction and shall indemnify and hold Seller harmless from and against any such broker's or finders fee's.

5.6 Paragraph Headings and Numbering. The paragraph headings and numbering herein are inserted for convenience of reference only and do not define, limit, or prescribe the scope of this Agreement or any Exhibit attached hereto.

5.7 Assignment. No party may assign any of its rights or obligations under this Agreement without the prior written consent of the other party, which consent shall not be unreasonably withheld.

5.8 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and assigns, provided such assignment has been permitted hereunder.

5.9 Notice. Any notices, demands, or any other communication given or made by either party hereto to the other relating to this Agreement shall be deemed given and received: (a) upon personal delivery or upon transmission by telecopier or similar facsimile transmission device; or (b) on the first business day after receipted delivery to a courier service which guarantees next day delivery. For notice purposes, notice shall be addressed or faxed as follows:

If to Seller: c/o William O. Broyles
P.O. Box 793
Lamar, Colorado 81052
Fax Number: (719) 336-8702

With a copy to: Michael D. Shimmin, Esq.
Vranesh & Raisch LLP
P. O. Box 871
Boulder, Colorado 80306
Fax Number: (303) 443-9586

If to Purchaser: Lower Arkansas Water Management Association
c/o Donald F. Higbee
P. O. Box 1161
Lamar, Colorado 81052
Fax Number: (719) 336-2422

With a copy to: David L. Harrison, Esq.
Richard J. Mehren, Esq.
Moses, Wittemyer, Harrison and Woodruff, P.C.
P. O. Box 1440
Boulder, Colorado 80306-1440
Fax Number: (303) 443-8796

The foregoing addresses may be changed by written notice.

5.10 Dates. If any date set forth in this Agreement for the delivery of any document or occurrence of any event should, under the terms hereof, fall on a weekend or holiday, then such date shall be automatically extended to the next succeeding weekday that is not a holiday.

5.11 Time is of the Essence. Time is of the essence of each and every aspect of this Agreement, and strict compliance with all time requirements is at the heart of this Agreement and shall be strictly enforced.

5.12 Counterparts. This Agreement shall not be in force or effect or be binding on any party until properly executed by both parties. This Agreement may be executed in counterparts, all of which taken together shall constitute one and the same Agreement.

5.13 No Third Party Beneficiaries. There are no third party beneficiaries to this Agreement.

Executed as of the date first written above.

SELLER:

By: Mary Alice Broyles
Mary Alice Broyles

JAKE O. BROYLES TRUST NO. 1

By: Mary Alice Broyles
Mary Alice Broyles, Trustee

By: William O. Broyles
William O. Broyles, Trustee

By: Larry D. Manning
Larry D. Manning, Trustee

PROWERS ENTERPRISES, LLC

By: William O. Broyles, Manager

PURCHASER:

LOWER ARKANSAS WATER MANAGEMENT ASSOCIATION

By: William J. Grasmick
William J. Grasmick, President

Attest: Donald F. Higbee
Donald F. Higbee, Secretary

STATE OF COLORADO)
)
) ss.
COUNTY OF Prowers

April The foregoing instrument was acknowledged before me this 2nd day of April, 2003, by Mary Alice Broyles.

Witness my hand and official seal.

My commission expires: 5-20-05
[Signature]
Notary Public

STATE OF COLORADO)
)
) ss.
COUNTY OF Prowers

April The foregoing instrument was acknowledged before me this 2nd day of April, 2003, by Mary Alice Broyles, William O. Broyles and Larry D. Manning, as Trustees of the Jake O. Broyles Trust No. 1.

Witness my hand and official seal.

My commission expires: 5-20-05
[Signature]
Notary Public

STATE OF COLORADO)
)
) ss.
COUNTY OF Prowers

April The foregoing instrument was acknowledged before me this 2nd day of April, 2003, by William O. Broyles, as Manager of Prowers Enterprises, LLC, a Colorado limited liability corporation.

Witness my hand and official seal.

My commission expires: 5-20-05
[Signature]
Notary Public

STATE OF COLORADO)
)
COUNTY OF Rowley)

ss.

The foregoing instrument was acknowledged before me this 2nd day of April, 2003, by William J. Grasmick, President, of the Lower Arkansas Water Management Association, a Colorado non-profit corporation and Donald F. Higbee, Secretary, of the Lower Arkansas Water Management Association, a Colorado non-profit corporation.

Witness my hand and official seal.

My commission expires: 5-20-05
[Signature]
Notary Public

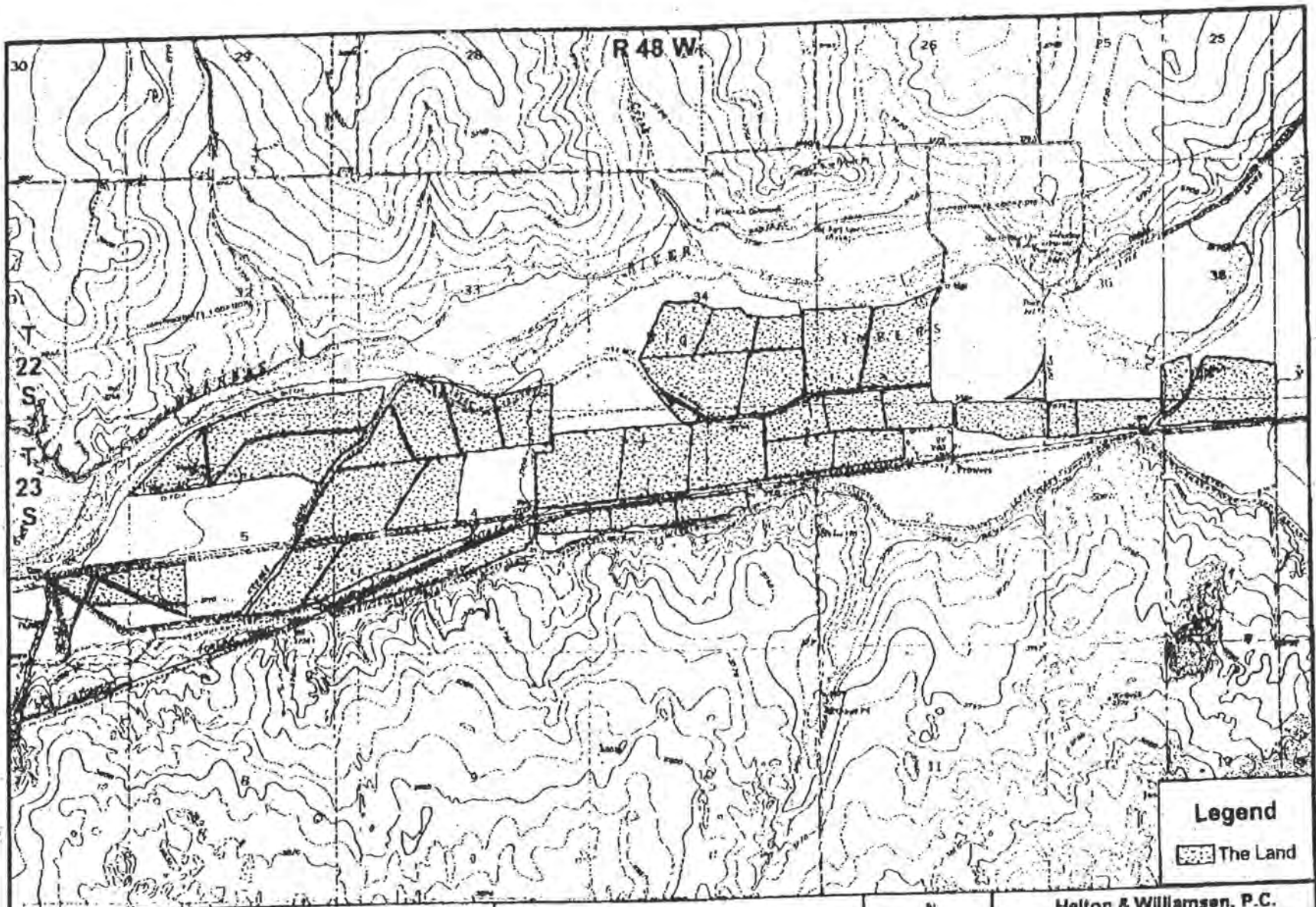
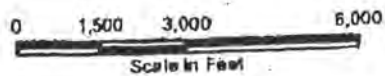


Exhibit A - The Land

(Dry-up of approximately 1,400 acres irrigated with Keesee water right)



Helton & Williamson, P.C.

Drawn by: RLH

Checked by: RLH

Date: April 2, 2003

Rev. Date:

Job No.
L101

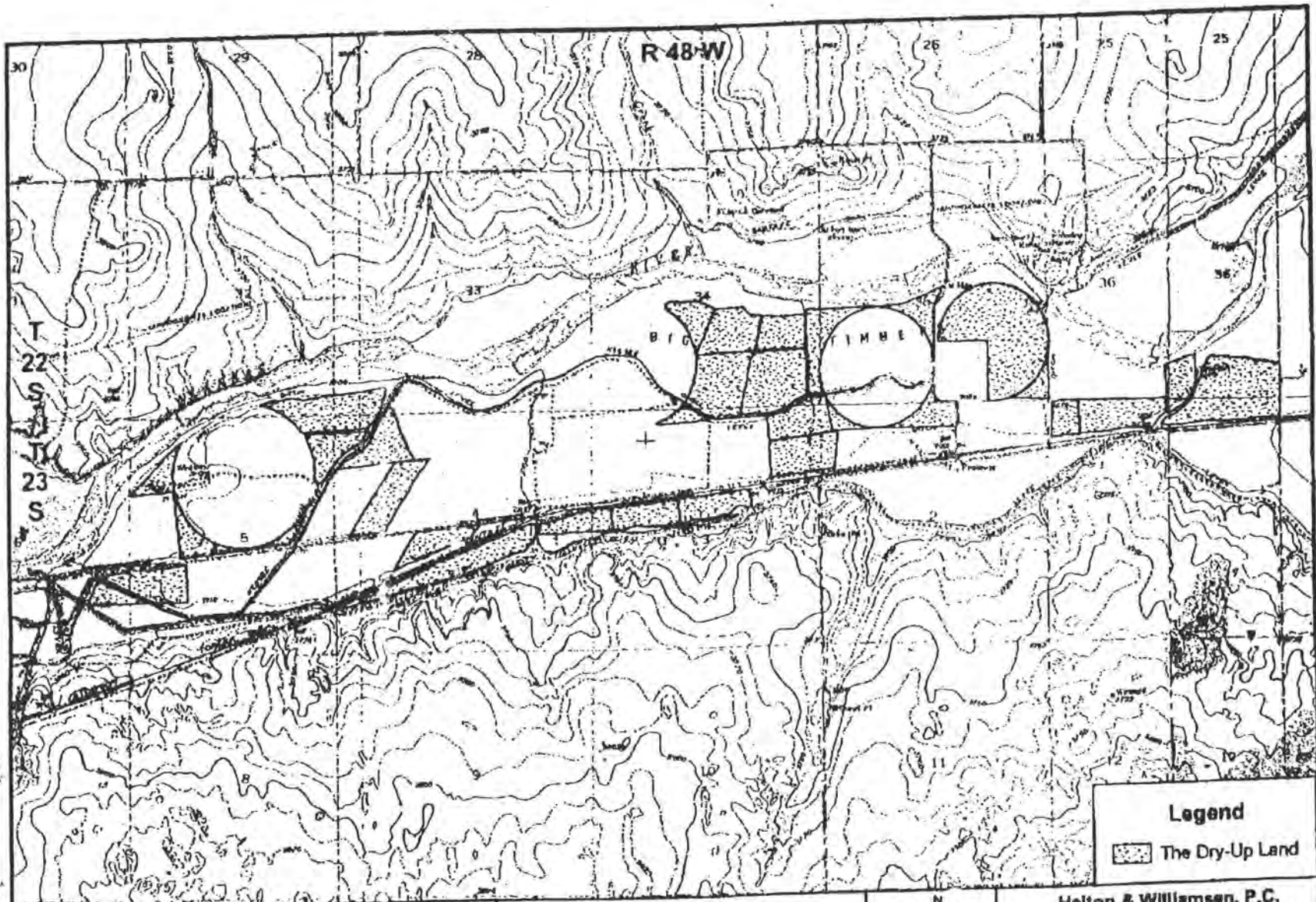
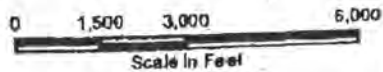


Exhibit B - The Dry-Up Land

(Dry-up of approximately 700 acres irrigated Keesee water right)



Helton & Williamsen, P.C.

Drawn by: RLH

Job No.
L101

Checked by: RLH

Date: April 2, 2003

Rev.
Date:

EXHIBIT C

(Attached to and forming a part of the Water Rights Purchase and Sale Agreement between LAWMA and Mary Alice Broyles, Jake O. Broyles Trust No. 1, and Prowers Enterprises, LLC)

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED, made this _____ day of _____, 2003, between _____ of the County of _____ and State of Colorado, Grantor, and the Lower Arkansas Water Management Association, a non-profit corporation duly organized and existing under and by virtue of the laws of the State of Colorado, whose legal address is P. O. Box 1161, Lamar, Colorado 81052, County of Bent and State of Colorado, Grantee:

WITNESS, that the Grantor for and in consideration of the sum of ten dollars and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, has granted, bargained, sold and conveyed and by these presents does grant, bargain, sell, convey and confirm onto the Grantee, its successors and assigns forever, all the real property situate, lying and being in the County of Bent and State of Colorado described as follows:

Water Rights

Four and one-half cubic feet per second (4.5 cfs) of a total of nine cubic feet per second (9cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceedings in Water District No. 67 as Priority No. 1 with an appropriation date of March 13, 1871. Two and one-quarter cubic feet per second (2.25 cfs) of a total of four and one-half cubic feet per second (4.5 cfs) decreed to the Keesee Ditch by the Bent County District Court on July 1, 1895 in the original adjudication proceedings in Water District No. 67 as Priority No. 4 with an appropriation date of December 31, 1883. Seven and one-half cubic feet per second (7.5 cfs) of a total of fifteen cubic feet per second (15 cfs) decreed to the Keesee Ditch by the Bent County District Court on October 14, 1918 in a supplemental adjudication proceeding in Water District No. 67, with an appropriation date of September 3, 1893.

One-half (1/2) of Grantor's right, title and interest, including contract rights, to the Keesee storage account in John Martin Reservoir arising under the 1980 Operating Plan for John Martin Reservoir, which plan was adopted as a Resolution of the Arkansas River Compact Commission on April 24, 1980 and amended on May 10, 1984 and December 11, 1984. Under the Operating Plan, the Keesee storage account is allotted 2.30% of the Colorado Water District No. 67 ditches' entitled to conservation storage in the reservoir.

Real Covenant for Dry-Up

Except for the purposes of revegetation as required by the Real Covenant for Revegetation stated below, the following described real estate (the "Dry-Up Land") as generally depicted on Exhibit A, attached hereto and hereby incorporated herein, will be removed from irrigation and shall not be irrigated in the future unless the water used for such irrigation is from a permitted exempt well, is water supplied by a municipal or quasi-municipal entity, or is water diverted pursuant to either a change of water right or augmentation plan approved by the Water Court for Water Division No. 2, or a substitute water supply plan or replacement plan approved by the Colorado State Engineer.

[insert legal description of Dry-Up Land]

This covenant and the burdens imposed hereof shall be binding upon and run with the Dry-Up Land forever and shall be forever enforceable against Grantor, his heirs, successors and assigns for the benefit of Grantee, its successors and assigns.

Real Covenant for Revegetation

To the extent the Dry-Up Land is not irrigated from a source other than the water rights that can be used without injury to any other water rights as expressly determined by Grantee, its successors or assigns, or the Colorado Water Court, Grantor, his heirs, successors and assigns, shall be responsible for establishing and maintaining on the Dry-Up Land one of the following: (1) dry land farming practices, or (2) native grasses or such other self-sustaining (under the conditions prevailing on the Dry-Up Land) suitable dry land ground cover that may include trees, windbreaks, and other appropriate vegetation so long as evapotranspiration from any such revegetation trees, windbreaks, vegetation or plants will not cause a reduction in Grantee's consumptive use credit attributable to the Water Rights. The determination that a self-sustaining suitable dry land ground cover has been established will be made by mutual agreement between Grantor, his heirs, successors or assigns and Grantee, its successors or assigns. This covenant and the burdens imposed hereof shall be binding upon and run with the Dry-Up Land forever and shall be enforceable against Grantor, his heirs, successors and assigns for the benefit of Grantee, its successors and assigns.

Right of Entry

Grantor hereby conveys to Grantee a right of entry to and upon the Dry-Up Land for the purposes of ensuring implementation and, if deemed necessary by Grantee, its successors or assigns, for implementation of dry-up and/or revegetation requirements and to take those steps necessary to eliminate any consumptive use on the Dry-Up Land as may be required by any court decree changing the use of the water rights or by the Colorado State Engineer. Grantee agrees that the right of entry may be exercised upon a determination by the Grantee, its successors and assigns, that Grantor, his heirs, successors or assigns are in breach of the above-described and conveyed Real Covenant for Dry-Up and/or of the above-described and conveyed Real Covenant for Revegetation and after Grantee has given Grantor notice of the breach and a reasonable

opportunity to cure it but Grantor has failed to do so. This right of entry and the burdens imposed hereof is a covenant binding upon and running with the Dry-Up Land forever and shall be forever enforceable against the Grantor, his heirs, successors and assigns for the benefit of Grantee, its successors and assigns.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging, or in any wise appertaining, and the reversion and reversions, remainder and remainders, rents, issues, and profits thereof, and all the estate, right, interest, claim and demand whatsoever of the Grantor, either in law or in equity, of, in and to the above bargained premises, with the hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances unto the Grantee, its successors and assigns forever. And the Grantor, for himself, his heirs and personal representatives, does covenant, grant, bargain and agree that he shall and will WARRANT AND FOREVER DEFEND title to the above-bargained premises in the quiet and peaceable possession of the Grantee, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, by through or under the Grantor.

IN WITNESS WHEREOF, the Grantor has executed this deed on the date first written above.

By _____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 2003, by _____, as _____ of _____, a Colorado _____.

Witness my hand and official seal.

My commission expires: _____

Notary Public

EXHIBIT D

(Attached to and forming a part of the Water Rights Purchase and Sale Agreement between LAWMA and Mary Alice Broyles, Jake O. Broyles Trust No. 1, and Prowers Enterprises, LLC)

ASSIGNMENT OF INTEREST IN JOHN MARTIN RESERVOIR STORAGE ACCOUNT

This Assignment, entered this ___ day of _____, 2003, by _____ as Assignor and Lower Arkansas Water Management Association ("LAWMA") a Colorado non-profit corporation as Assignee, whose address is P. O. Box 1161, Lamar, Colorado 81502.

Assignor does hereby assign to LAWMA one-half (½) of all of his right, title and interest including contract rights in and to any water, water rights, water storage rights, and rights to use of John Martin Reservoir established for the Keesee Ditch pursuant to Article II of the "Resolution Concerning an Operating Plan for John Martin Reservoir" first adopted by the Arkansas River Compact Administration on April 24, 1980, and amended on May 10, 1984, and December 11, 1984. Under the Resolution Concerning an Operating Plan for John Martin Reservoir, adopted on April 24, 1980, the Keesee storage account is allotted 2.30 percent of the Colorado Water District 67 ditches' entitlement to conservation storage in John Martin Reservoir. Assignor represents that other than this Assignment and the Water Rights Purchase and Sale Agreement with LAWMA, it has made no prior assignment or conveyance of the interests assigned hereby. If any approval of this assignment is required by the Arkansas River Compact Administration or any other authority, obtaining such approval shall be the sole responsibility of LAWMA.

IN WITNESS WHEREOF, the Assignor has executed this Assignment on the date first written above.

By _____

STATE OF COLORADO)
)
COUNTY OF _____)

ss.

Subscribed and sworn to before me this _____ day of _____, 2003.

Witness my hand and official seal.

Notary Public

My Commission expires: _____
Address: _____

EXHIBIT E

(Attached to and forming a part of the Water Rights Purchase and Sale Agreement between LAWMA and Mary Alice Broyles, Jake O. Broyles Trust No. 1, and Prowers Enterprises, LLC)

Affidavit of _____

STATE OF COLORADO)
) ss
COUNTY _____)

I, _____, being first duly sworn upon oath, depose and state as follows:

1. I am over the age of 21 years.

2. I am a member of the Broyles family, which has owned the Keesce water rights, including the Water Rights described in the Water Rights Purchase and Sale Agreement between the Broyles family and LAWMA, and have the personal knowledge needed to execute an affidavit of historic use of the Water Rights.

3. I have personal knowledge about the use of the Water Rights from _____ to present.

4. From _____ to the present, the Water Rights were used in connection with the Dry-Up Land that the Broyles family has owned throughout that period, such land is described more fully in Exhibit B attached to the referenced Water Rights Purchase and Sale Agreement. The Water Rights have historically been used to irrigate the Dry-Up Land identified in Exhibit B.

5. From _____ to the date of this affidavit, the Dry-Up Land was devoted to agricultural production, including the growing of _____.

6. From _____ to the date of this affidavit, the Water Rights were properly and continuously used to the fullest extent possible.

7. The Broyles family has not intended to abandon the Water Rights during the period of our ownership, nor has such abandonment been caused by us.

Dated this _____ day of _____, 2003.

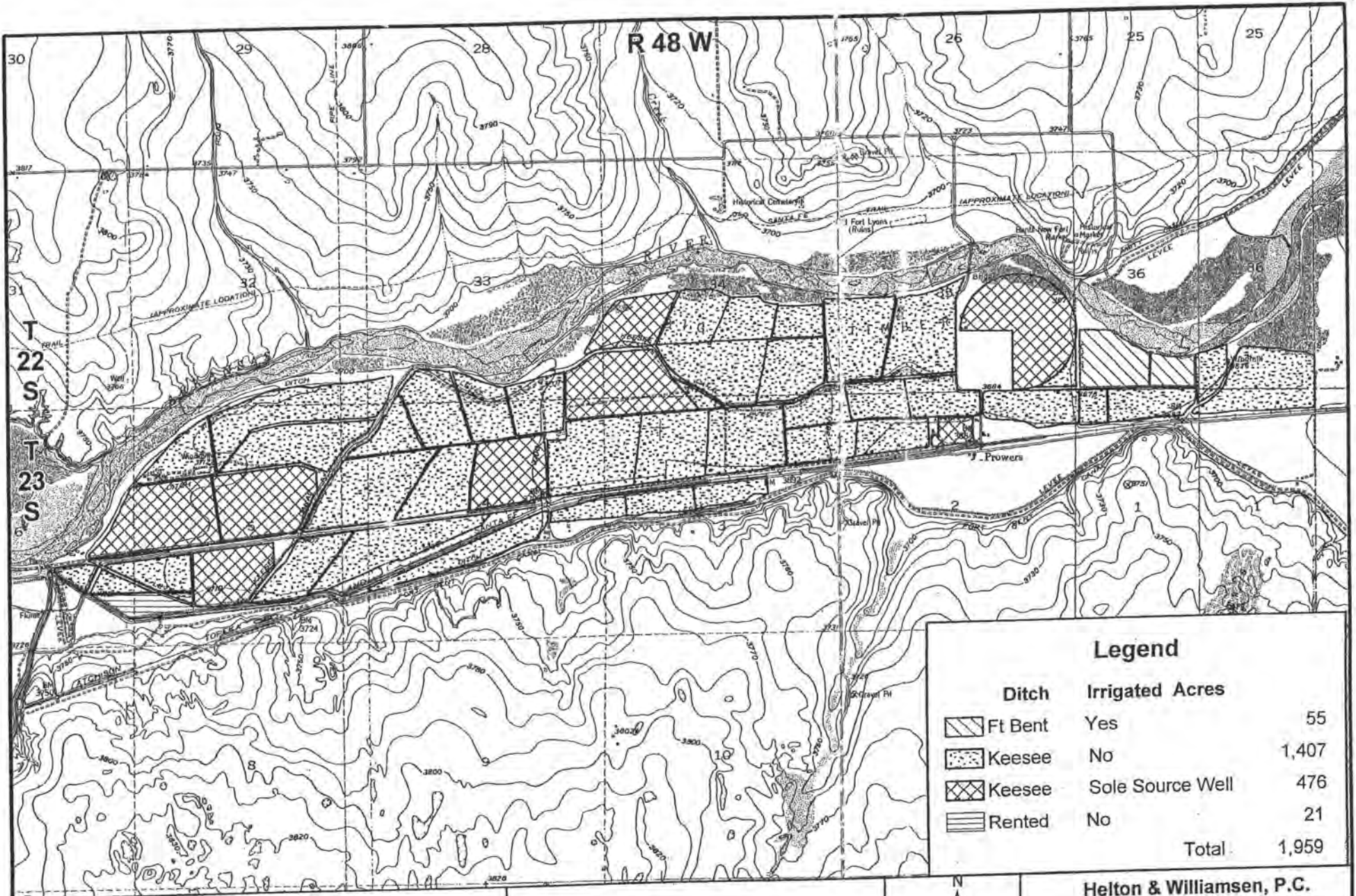
STATE OF COLORADO)
) ss.
COUNTY OF _____)

Subscribed and sworn to before me this _____ day of _____, 2003.

Witness my hand and official seal.

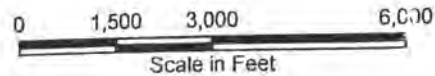
Notary Public

My Commission expires: _____
Address: _____



Attachment 2

Parcels Formerly Irrigated with Keesee Water Right



Helton & Williamsen, P.C.

Drawn by: RLH

Job No.

Checked by: RLH

L101

Date: April 1, 2003

Rev. Date:

Attachement 3
KEESEE DITCH - CONSUMPTIVE USE AS DETERMINED BY THE HI MODEL

Cal Year	Simulated River		Total Crop ET (ac-ft)	Effective Precip (ac-ft)	Crop Con Use From Irrig and Soil Moisture (ac-ft)	Canal Loss (ac-ft)	Off-Farm Lateral Loss (ac-ft)	On-Farm Lateral Loss (ac-ft)	Tail Water (ac-ft)	Total SEV Losses (ac-ft)	Total Con Use (Crop SW Irrig Con Use + SEV) (ac-ft/ac)	HIM Farm Efficiency (%)
	HIM Model (ac)	Headgate Diversions (ac-ft)										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1950	1,500	4,499	3,902	1,592	2,310	150	157	147	405	295	2,605	64.8
1951	1,500	3,516	3,750	1,858	1,892	117	123	115	316	231	2,123	61.4
1952	1,500	4,895	4,155	1,096	3,059	163	171	160	440	321	3,380	60.2
1953	1,500	4,771	4,179	1,596	2,583	159	167	155	429	313	2,896	65.0
1954	1,500	5,258	4,355	1,180	3,175	175	184	171	473	345	3,520	62.0
1955	1,500	5,174	4,229	1,142	3,087	172	181	169	465	340	3,427	65.0
1956	1,500	4,858	4,286	1,554	2,732	162	170	158	437	319	3,051	65.0
1957	1,500	3,949	4,035	2,046	1,989	132	138	129	355	259	2,248	59.2
1958	1,500	4,740	4,215	1,809	2,408	158	166	155	426	311	2,717	58.6
1959	1,500	4,634	4,170	1,549	2,621	154	162	151	417	304	2,925	62.2
1960	1,500	5,262	4,184	1,640	2,544	175	184	171	473	345	2,889	56.8
1961	1,500	4,237	3,930	1,848	2,084	141	148	138	381	273	2,332	57.3
1962	1,500	4,878	4,080	1,437	2,643	163	171	159	439	321	2,964	60.0
1963	1,500	6,016	4,546	1,160	3,388	201	210	196	541	395	3,781	60.1
1964	1,500	4,302	4,017	1,129	2,888	143	151	140	387	282	3,170	65.0
1965	1,500	4,389	3,959	1,997	1,962	145	153	142	393	287	2,240	61.2
1966	1,500	4,593	4,035	1,667	2,368	153	161	150	413	302	2,670	58.8
1967	1,500	4,653	3,915	1,404	2,511	155	163	152	418	305	2,816	60.5
1968	1,538	4,464	3,929	1,458	2,471	149	156	146	401	293	2,764	61.4
1969	1,950	4,799	5,265	2,862	2,403	160	168	156	431	315	2,718	58.9
1970	1,950	5,429	5,318	1,826	3,492	181	190	177	488	356	3,848	61.9
1971	1,950	4,921	5,258	2,157	3,101	164	172	160	443	323	3,424	65.0
1972	1,950	4,807	5,175	2,404	2,771	160	168	157	432	315	3,086	65.0
1973	1,950	5,452	5,227	2,323	2,904	182	191	178	490	358	3,262	62.0
1974	1,950	5,847	5,358	1,448	3,910	195	205	191	526	384	4,294	64.4
1975	1,950	5,460	5,173	2,190	2,983	182	191	178	491	358	3,341	65.0
1976	1,950	4,363	5,045	2,048	2,997	146	153	142	392	287	3,284	65.0
1977	1,950	5,132	5,136	1,949	3,187	171	180	167	461	337	3,524	65.0
1978	1,950	4,454	5,140	2,526	2,614	148	156	145	400	292	2,906	65.0
1979	1,950	5,189	5,370	2,754	2,616	173	182	169	467	341	2,957	65.0
1980	1,950	6,015	5,461	2,093	3,368	201	211	196	541	395	3,763	56.8
1981	1,950	5,858	5,198	1,476	3,722	195	205	191	527	385	4,107	65.0
1982	1,950	4,527	5,003	2,358	2,645	151	158	147	407	297	2,942	65.0
1983	1,950	5,910	5,298	1,872	3,426	197	207	193	531	388	3,814	65.0
1984	1,950	6,254	5,439	2,141	3,298	208	219	204	562	410	3,708	63.0
1985	1,950	5,436	5,362	1,909	3,453	181	190	177	489	357	3,810	65.0
1986	1,950	6,158	5,639	2,337	3,302	205	216	201	554	405	3,707	65.0
1987	1,950	5,945	5,659	2,461	3,198	198	208	194	535	390	3,588	59.0
1988	1,950	5,467	5,538	1,773	3,765	182	191	178	492	359	4,124	65.0
1989	1,950	4,863	5,031	1,979	3,052	182	170	159	437	319	3,371	65.0
1990	1,950	5,327	5,439	2,365	3,074	178	186	174	479	350	3,424	65.0
1991	1,950	5,095	5,361	2,446	2,915	170	178	166	458	334	3,249	65.0
1992	1,950	4,814	4,867	2,572	2,295	160	168	157	433	316	2,611	62.7
1993	1,950	4,281	5,275	2,963	2,312	143	150	140	385	281	2,593	58.6
1994	1,950	5,844	5,838	2,205	3,633	195	204	190	526	384	4,017	64.8
50-94 Avg	1,761	5,038	4,794	1,924	2,870	168	176	164	453	331	3,201	61.1
80-94 Avg	1,950	5,453	5,361	2,197	3,164	182	191	178	490	358	3,522	62.3
Max	1,950	6,254	5,838	2,963	3,910	208	219	204	562	410	4,294	65.0
Min	1,500	3,516	3,750	1,096	1,892	117	123	115	316	231	2,123	56.8

- Column Description**
- (1) Calendar Year
 - (2) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (3) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (4) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (5) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (6) Calculated as (4)-(5)
 - (7) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (8) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (9) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (10) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
 - (11) Calculated as $0.344 * [(7) + (8) + (9) + (10)]$. The 0.344 SEV factor is determined from 1950-94 average monthly simulated diversions and monthly SEV factors from the HI model.
 - (12) Calculated as (6)+(11)
 - (13) Output from 6/6/96 version of HI Model - Compact Run (PE 803). Average is calculated as $(6)/[(3)-(7)-(8)]$

Attachment 4
Average Monthly Water Balance for the Keesee Ditch
 (average is for the period of 1950-94, units of ac-ft)

Row	Item	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Total	
(1)	Historical Diversions	195	31	0	0	125	502	576	801	936	781	619	473	5,038	
(2)	SEV Loss	9.9%	8.1%	8.7%	12.6%	21.3%	29.1%	34.8%	42.0%	45.3%	38.7%	29.4%	20.1%		
(3)	Canal Loss	6.4	1.0	0.0	0.0	4.1	16.6	19.0	26.4	30.9	25.8	20.4	15.6	166.3	
(4)	Off-Farm Lateral Loss	6.8	1.1	0.0	0.0	4.4	17.6	20.2	28.0	32.8	27.3	21.7	16.5	176.3	
(5)	On-Farm Lateral Loss	6.4	1.0	0.0	0.0	4.1	16.4	18.8	26.1	30.5	25.5	20.2	15.4	164.3	
(6)	SEV for Canal and Lateral Loss	1.9	0.3	0.0	0.0	2.7	14.7	20.2	33.8	42.7	30.4	18.3	9.6	174.5	
(7)	Net Recharge	17.7	2.9	0.0	0.0	9.9	35.8	37.8	46.7	51.5	48.1	44.0	38.0	332.4	
(8)	Deep Percolation	46.9	7.5	0.0	0.0	29.9	120.6	138.2	192.2	224.6	187.3	148.5	113.5	1,209.1	
(9)	Total Net GW Returns	64.6	10.4	0.0	0.0	39.8	156.4	175.9	238.9	276.1	235.5	192.5	151.5	1,541.5	
(10)	GW Returns Lagged to the stream	158.0	117.4	82.6	59.2	50.5	71.4	105.1	138.2	176.1	198.3	198.4	186.3	1,541.5	
(11)	Tail Water	17.6	2.8	0.0	0.0	11.2	45.2	51.8	72.0	84.2	70.2	55.7	42.5	453.1	
(12)	SEV on Tail Water	1.7	0.2	0.0	0.0	2.4	13.1	18.0	30.2	38.1	27.2	16.4	8.5	156.0	
(13)	Net Tail Water to the Stream	15.8	2.6	0.0	0.0	8.8	32.0	33.8	41.8	46.0	43.0	39.3	34.0	297.1	
(14)	Total Return flow to Stream	173.8	120.0	82.6	59.2	59.3	103.4	138.9	180.0	222.1	241.3	237.7	220.2	1,838.7	
(15)	Stream Depletions	21.5	-88.8	-82.6	-59.2	65.4	398.9	436.9	620.8	713.9	539.3	381.1	252.5	3,199.5	
(16)	Stream Depletions as % of HG Divs	Winter Return Flow Obligation =					143.7	79.4%	75.9%	77.5%	76.3%	69.1%	61.6%	53.4%	63.5%
(17)	Crop ET from SW Diversions	111.2	17.8	0.0	0.0	71.0	286.1	327.9	456.0	533.0	444.5	352.4	269.2	2,869.0	
(18)	Total SEV Losses	3.7	0.5	0.0	0.0	5.1	27.9	38.2	64.1	80.8	57.6	34.7	18.1	330.5	
(19)	Total of Crop Con Use and SEV	114.9	18.2	0.0	0.0	76.1	313.9	366.0	520.1	613.8	502.1	387.0	287.3	3,199.5	
(20)	Farm Efficiency						61.1%	61.1%	61.1%	61.1%	61.1%	61.1%	61.1%	61.1%	

Explanation of Rows

- (1) Output from 6/6/96 version of HI Model - Compact Run (PE 803)
- (2) Input to 6/6/96 version of HI Model - Compact Run (PE 803)
- (3) Calculated as .033 x Row1. HI Model canal loss is 3.3%.
- (4) Calculated as .035 x Row1. The HI Model canal off-farm canal loss is 3.5%.
- (5) Calculated as .035 x (Row1-Row3-Row4). The HI Model canal on-farm canal loss is 3.5%.
- (6) Calculated as Row2 x (Row3+Row4+Row5)
- (7) Calculated as Row3 + Row4 + Row5 - Row6
- (8) Calculated as Row1 - Row3 - Row4 - Row 5 - Row11 - Row17
- (9) Calculated as Row7 + Row8
- (10) Monthly values is Row 9 lagged back to the stream using the factors in SWRESP.dat
- (11) Calculated as .10 x (Row1 - Row3 - Row4 - Row5)
- (12) Calculated as Row2 x Row11
- (13) Calculated as Row11 - Row12
- (14) Calculated as Row10 + Row13
- (15) Calculated as Row1 - Row14
- (16) For April through October, calculated as Row15/Row1
- (17) Calculated as Row20 x (Row1 - Row3 - Row4)
- (18) Calculated as Row6 + Row12
- (19) Calculated as Row17 + Row18
- (20) Average derived from output from 6/6/96 version of HI Model - Compact Run (PE 803)

SECTION 4

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>

February 10, 2003



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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for November 2002

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, 2002.

Table 1 shows the amount of pumping during the month of November 2002 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 a call by a Colorado surface water right in those reaches on none of the days in November. 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 since there was a call by a Colorado surface water right in those reaches on none of the days in 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 a result of processing the final hydrographic record for the Highland Canal and Purgatoire River gage below Highland Dam, it was determined that the consumptive use water delivered to the Offset Account from the Highland consumptive use credits was overstated by 32.43 acre-feet. On November 1, 2002 the 32.43 acre-feet was transferred out of the Offset Account and booked to Winter Compact Storage.

As indicated in Table 3, 625.08 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 625.08 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, 2002, there was 8140.05 acre-feet being stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November is attached at Enclosure 1.

Additionally, the Lower Arkansas Water Management Association chose to utilize the 1836 acre-feet of delivery credit from the July 2002 Offset Account delivery in lieu of an Offset Account transfer for the 1212.82 acre-feet identified in my November 12, 2002 Offset Account letter for depletions in the month of September 2002. The balance of the delivery credit, 623.18 acre-feet was charged against October 2002 depletions and reduces the amount of the Offset Account transfer identified in my November 21, 2002 Offset Account letter from 1023.74 acre-feet to 400.56 acre-feet, which will be transferred to the Kansas subaccount in February 2003. A revised Table 3 for September 2002 is included at Enclosure 2 and a revised Table 3 for October 2002 is included at Enclosure 3 to document this change in replacement source.

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 Robin Jennison John Draper Monique Morey
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
November, 2002

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	26.24	11.46
2	BOOTH ORCHARD	0.77	0.39
3	EXCELSIOR	1.25	0.93
4	COLLIER	0.00	0.00
5	COLORADO	0.66	0.28
6	ROCKY FORD HIGHLINE	17.25	8.58
7	OXFORD	2.33	0.76
8	OTERO	17.24	5.17
9	CATLIN	655.58	103.60
10	FORT LYON US	71.24	24.63
11	ROCKY FORD	6.10	1.83
12	HOLBROOK	0.10	0.03
13	LAS ANIMAS CONSOLIDATED	9.58	4.25
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	11.29	5.99
16	KEESE	4.44	3.33
17	AMITY	156.40	61.28
18	LAMAR/MANVEL	16.02	5.60
19	HYDE	4.09	1.23
20	FORT LYON DS	90.07	27.12
21	XY GRAHAM	0.00	0.00
22	BUFFALO	88.38	29.75
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	15.84	10.67
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	1194.87	306.88

Enclosure 1

John Martin Offset Accounting for November 2002

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
						8318.37							0.00							3995.05
1	0.00	0.00	32.43	0.00	5.05	8280.89	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	2.41	3992.64
2	0.00	0.00	0.00	0.00	5.01	8275.88	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	2.41	3990.23
3	0.00	0.00	0.00	0.00	4.99	8270.89	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	2.41	3987.82
4	0.00	0.00	0.00	0.00	4.96	8265.93	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	2.39	3985.43
5	0.00	0.00	0.00	0.00	4.94	8260.99	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	2.38	3983.05
6	0.00	0.00	0.00	0.00	4.95	8256.04	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	2.39	3980.66
7	0.00	0.00	0.00	0.00	4.95	8251.09	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	2.40	3978.26
8	0.00	0.00	0.00	0.00	4.94	8246.15	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	2.39	3975.87
9	0.00	0.00	0.00	0.00	4.91	8241.24	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	2.37	3973.50
10	0.00	0.00	0.00	0.00	4.90	8236.34	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	2.36	3971.14
11	0.00	0.00	0.00	0.00	4.90	8231.44	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	2.37	3968.77
12	0.00	0.00	0.00	0.00	4.90	8226.54	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	2.38	3966.39
13	0.00	0.00	0.00	0.00	4.87	8221.67	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	2.35	3964.04
14	0.00	0.00	0.00	0.00	4.86	8216.81	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	2.34	3961.70
15	0.00	0.00	0.00	0.00	4.85	8211.96	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	2.34	3959.36
16	0.00	0.00	0.00	0.00	4.84	8207.12	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	2.34	3957.02
17	0.00	0.00	0.00	0.00	4.82	8202.30	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	2.32	3954.70
18	0.00	0.00	0.00	0.00	4.80	8197.50	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	2.31	3952.39
19	0.00	0.00	0.00	0.00	4.81	8192.69	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	2.33	3950.06
20	0.00	0.00	0.00	0.00	4.78	8187.91	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	2.30	3947.76
21	0.00	0.00	0.00	0.00	4.76	8183.15	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	2.31	3945.45
22	0.00	0.00	0.00	0.00	4.74	8178.41	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	2.29	3943.16
23	0.00	0.00	0.00	0.00	4.72	8173.69	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	2.29	3940.87
24	0.00	0.00	0.00	0.00	4.69	8169.00	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	2.26	3938.61
25	0.00	0.00	0.00	0.00	4.65	8164.35	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	2.24	3936.37
26	0.00	0.00	0.00	0.00	4.63	8159.72	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	2.23	3934.14
27	0.00	0.00	0.00	0.00	4.95	8154.77	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	2.39	3931.75
28	0.00	1230.60	1230.60	0.00	4.94	8149.83	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	1230.60	0.00	0.00	2.39	3929.36
29	0.00	0.00	0.00	0.00	4.90	8144.93	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	3.11	3927.02
30	0.00	0.00	0.00	0.00	4.88	8140.05	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	3.10	3924.73
	0.00	1230.60	1263.03	0.00	145.89			0.00	0.00	0.00	0.00	0.00			0.00	-1230.60	0.00	0.00	71.90	
OffsetAccount-Consumable							OffsetAccount-Consumable							OffsetAccount-Consumable						
Totals							Downstream							Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						5828.68							1677.01							156.62
1	0.00	0.00	32.43	0.00	3.53	5792.72	1	0.00	0.00	30.81	0.00	1.02	1645.18	1	0.00	0.00	1.62	0.00	0.10	154.90
2	0.00	0.00	0.00	0.00	3.50	5789.22	2	0.00	0.00	0.00	0.00	1.00	1644.18	2	0.00	0.00	0.00	0.00	0.09	154.81
3	0.00	0.00	0.00	0.00	3.49	5785.73	3	0.00	0.00	0.00	0.00	0.99	1643.19	3	0.00	0.00	0.00	0.00	0.09	154.72
4	0.00	0.00	0.00	0.00	3.47	5782.26	4	0.00	0.00	0.00	0.00	0.99	1642.20	4	0.00	0.00	0.00	0.00	0.09	154.63
5	0.00	0.00	0.00	0.00	3.45	5778.81	5	0.00	0.00	0.00	0.00	0.98	1641.22	5	0.00	0.00	0.00	0.00	0.09	154.54
6	0.00	0.00	0.00	0.00	3.46	5775.35	6	0.00	0.00	0.00	0.00	0.98	1640.24	6	0.00	0.00	0.00	0.00	0.09	154.45
7	0.00	0.00	0.00	0.00	3.47	5771.88	7	0.00	0.00	0.00	0.00	0.98	1639.26	7	0.00	0.00	0.00	0.00	0.09	154.36
8	0.00	0.00	0.00	0.00	3.46	5768.42	8	0.00	0.00	0.00	0.00	0.98	1638.28	8	0.00	0.00	0.00	0.00	0.09	154.27
9	0.00	0.00	0.00	0.00	3.43	5764.99	9	0.00	0.00	0.00	0.00	0.97	1637.31	9	0.00	0.00	0.00	0.00	0.09	154.18
10	0.00	0.00	0.00	0.00	3.42	5761.57	10	0.00	0.00	0.00	0.00	0.97	1636.34	10	0.00	0.00	0.00	0.00	0.09	154.09
11	0.00	0.00	0.00	0.00	3.43	5758.14	11	0.00	0.00	0.00	0.00	0.97	1635.37	11	0.00	0.00	0.00	0.00	0.09	154.00
12	0.00	0.00	0.00	0.00	3.44	5754.70	12	0.00	0.00	0.00	0.00	0.97	1634.40	12	0.00	0.00	0.00	0.00	0.09	153.91
13	0.00	0.00	0.00	0.00	3.41	5751.29	13	0.00	0.00	0.00	0.00	0.97	1633.43	13	0.00	0.00	0.00	0.00	0.09	153.82
14	0.00	0.00	0.00	0.00	3.40	5747.89	14	0.00	0.00	0.00	0.00	0.97	1632.46	14	0.00	0.00	0.00	0.00	0.09	153.73
15	0.00	0.00	0.00	0.00	3.39	5744.50	15	0.00	0.00	0.00	0.00	0.96	1631.50	15	0.00	0.00	0.00	0.00	0.09	153.64
16	0.00	0.00	0.00	0.00	3.39	5741.11	16	0.00	0.00	0.00	0.00	0.96	1630.54	16	0.00	0.00	0.00	0.00	0.09	153.55
17	0.00	0.00	0.00	0.00	3.37	5737.74	17	0.00	0.00	0.00	0.00	0.96	1629.58	17	0.00	0.00	0.00	0.00	0.09	153.46
18	0.00	0.00	0.00	0.00	3.35	5734.39	18	0.00	0.00	0.00	0.00	0.95	1628.63	18	0.00	0.00	0.00	0.00	0.09	153.37
19	0.00	0.00	0.00	0.00	3.37	5731.02	19	0.00	0.00	0.00	0.00	0.95	1627.68	19	0.00	0.00	0.00	0.00	0.09	153.28
20	0.00	0.00	0.00	0.00	3.34	5727.68	20	0.00	0.00	0.00	0.00	0.95	1626.73	20	0.00	0.00	0.00	0.00	0.09	153.19
21	0.00	0.00	0.00	0.00	3.34	5724.34	21	0.00	0.00	0.00	0.00	0.94	1625.79	21	0.00	0.00	0.00	0.00	0.09	153.10
22	0.00	0.00	0.00	0.00	3.32	5721.02	22	0.00	0.00	0.00	0.00	0.94	1624.85	22	0.00	0.00	0.00	0.00	0.09	153.01
23	0.00	0.00	0.00	0.00	3.31	5717.71	23	0.00	0.00	0.00	0.00	0.93	1623.92	23	0.00	0.00	0.00	0.00	0.09	152.92
24	0.00	0.00	0.00	0.00	3.28	5714.43	24	0.00	0.00	0.00	0.00	0.93	1622.99	24	0.00	0.00	0.00	0.00	0.09	152.83
25	0.00	0.00	0.00	0.00	3.25	5711.18	25	0.00	0.00	0.00	0.00	0.92	1622.07	25	0.00	0.00	0.00	0.00	0.09	152.74
26	0.00	0.00	0.00	0.00	3.24	5707.94	26	0.00	0.00	0.00	0.00	0.92	1621.15	26	0.00	0.00	0.00	0.00	0.09	152.65
27	0.00	0.00	0.00	0.00	3.46	5704.48	27	0.00	0.00	0.00	0.00	0.98	1620.17	27	0.00	0.00	0.00	0.00	0.09	152.56
28	0.00	1230.60	1230.60	0.00	3.46	5701.														

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2489.69							669.98
1	0.00	0.00	0.00	0.00	1.52	2488.17	1	0.00	0.00	0.00	0.00	0.41	669.57
2	0.00	0.00	0.00	0.00	1.51	2486.66	2	0.00	0.00	0.00	0.00	0.41	669.16
3	0.00	0.00	0.00	0.00	1.50	2485.16	3	0.00	0.00	0.00	0.00	0.40	668.76
4	0.00	0.00	0.00	0.00	1.49	2483.67	4	0.00	0.00	0.00	0.00	0.40	668.36
5	0.00	0.00	0.00	0.00	1.49	2482.18	5	0.00	0.00	0.00	0.00	0.40	667.96
6	0.00	0.00	0.00	0.00	1.49	2480.69	6	0.00	0.00	0.00	0.00	0.40	667.56
7	0.00	0.00	0.00	0.00	1.48	2479.21	7	0.00	0.00	0.00	0.00	0.40	667.16
8	0.00	0.00	0.00	0.00	1.48	2477.73	8	0.00	0.00	0.00	0.00	0.40	666.76
9	0.00	0.00	0.00	0.00	1.48	2476.25	9	0.00	0.00	0.00	0.00	0.40	666.36
10	0.00	0.00	0.00	0.00	1.48	2474.77	10	0.00	0.00	0.00	0.00	0.40	665.96
11	0.00	0.00	0.00	0.00	1.47	2473.30	11	0.00	0.00	0.00	0.00	0.40	665.56
12	0.00	0.00	0.00	0.00	1.46	2471.84	12	0.00	0.00	0.00	0.00	0.39	665.17
13	0.00	0.00	0.00	0.00	1.46	2470.38	13	0.00	0.00	0.00	0.00	0.39	664.78
14	0.00	0.00	0.00	0.00	1.46	2468.92	14	0.00	0.00	0.00	0.00	0.39	664.39
15	0.00	0.00	0.00	0.00	1.46	2467.46	15	0.00	0.00	0.00	0.00	0.39	664.00
16	0.00	0.00	0.00	0.00	1.45	2466.01	16	0.00	0.00	0.00	0.00	0.39	663.61
17	0.00	0.00	0.00	0.00	1.45	2464.56	17	0.00	0.00	0.00	0.00	0.39	663.22
18	0.00	0.00	0.00	0.00	1.45	2463.11	18	0.00	0.00	0.00	0.00	0.39	662.83
19	0.00	0.00	0.00	0.00	1.44	2461.67	19	0.00	0.00	0.00	0.00	0.39	662.44
20	0.00	0.00	0.00	0.00	1.44	2460.23	20	0.00	0.00	0.00	0.00	0.39	662.05
21	0.00	0.00	0.00	0.00	1.42	2458.81	21	0.00	0.00	0.00	0.00	0.38	661.67
22	0.00	0.00	0.00	0.00	1.42	2457.39	22	0.00	0.00	0.00	0.00	0.38	661.29
23	0.00	0.00	0.00	0.00	1.41	2455.98	23	0.00	0.00	0.00	0.00	0.38	660.91
24	0.00	0.00	0.00	0.00	1.41	2454.57	24	0.00	0.00	0.00	0.00	0.38	660.53
25	0.00	0.00	0.00	0.00	1.40	2453.17	25	0.00	0.00	0.00	0.00	0.38	660.15
26	0.00	0.00	0.00	0.00	1.39	2451.78	26	0.00	0.00	0.00	0.00	0.37	659.78
27	0.00	0.00	0.00	0.00	1.49	2450.29	27	0.00	0.00	0.00	0.00	0.40	659.38
28	0.00	0.00	0.00	0.00	1.48	2448.81	28	0.00	0.00	0.00	0.00	0.40	658.98
29	0.00	0.00	0.00	0.00	1.47	2447.34	29	0.00	0.00	0.00	0.00	0.40	658.58
30	0.00	0.00	0.00	0.00	1.46	2445.88	30	0.00	0.00	0.00	0.00	0.39	658.19
	0.00	0.00	0.00	0.00	43.81			0.00	0.00	0.00	0.00	11.79	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1819.71							0.00
1	0.00	0.00	0.00	0.00	1.11	1818.60	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.10	1817.50	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.10	1816.40	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.09	1815.31	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.09	1814.22	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.09	1813.13	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.08	1812.05	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.08	1810.97	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.08	1809.89	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.08	1808.81	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.07	1807.74	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.07	1806.67	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.07	1805.60	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.07	1804.53	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.07	1803.46	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.06	1802.40	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.06	1801.34	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.06	1800.28	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.05	1799.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.05	1798.18	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.04	1797.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.04	1796.10	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.03	1795.07	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.03	1794.04	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.02	1793.02	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.02	1792.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.09	1790.91	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.08	1789.83	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.07	1788.76	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.07	1787.69	30	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	32.02			0.00	0.00	0.00	0.00	0.00	

Enclosure 2

Revised Table 3 for September 2002

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
September, 2002

REACH NUMBER

	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	392.30	1128.50	32.46	1553.26
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	321.29	924.24	26.58	1272.11
Replacements										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								68.00		68.00
LAWMA-XY Direct Flow					0.00					0.00
LAWMA-Manvel Direct Flow					2.00					2.00
Offset Account Release Credit	1212.82									1212.82
Offset Account Water	0.00									0.00
Total Replacements	1212.82	0.00	0.00	0.00	2.00	0.00	0.00	68.00	0.00	1282.82

Enclosure 3

Revised Table 3 for October 2002

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
October, 2002

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	356.64	923.56	38.15	1318.35
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	292.09	756.40	31.24	1079.73
Replacements										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								65.00		65.00
LAWMA-XY Direct Flow					0.00					0.00
LAWMA-Manvel Direct Flow					0.00					0.00
Offset Account Release Credit	623.18									623.18
Offset Account Water	400.56									400.56
Total Replacements	1023.74	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	1088.74

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

March 31, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for December 2002

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, 2002.

Table 1 shows the amount of pumping during the month of December 2002 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.

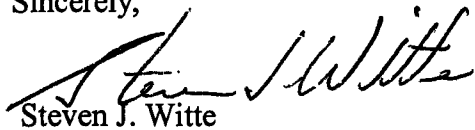
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the 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 a call by a Colorado surface water right in those reaches on none of the days in December. 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 since there was a call by a Colorado surface water right in those reaches on none of the days in December. 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 that were made during the month.

As indicated in Table 3, LAWMA carried forward a deficit of 504.71 acre-feet from December 2002 into January 2003. As of December 31, 2002, there was 8037.73 acre-feet being stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December is attached at Enclosure 1.

Additionally, LAWMA was able to acquire some unused Fryingpan Arkansas Return Flows for November 2002 that reduced the amount of depletions to usable stateline flow. A revised Table 3 for November 2002 is included at Enclosure 2. The revised amount of consumable water to be booked against depletions in Table 3 is 595.22 acre-feet. The February 10, 2003 letter regarding November depletions indicated 625.08 acre-feet of fully consumable water had been made available to Kansas under the provisions of paragraph 5B of the Resolution. The revised amount of consumable water will be moved from the Colorado Consumable Water subaccount to the Kansas Consumable Water subaccount of the Offset Account on March 31, 2003 at 24:00 hours.

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	Robin Jennison	John Draper	Monique Morey
	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
December 2002

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	5.86	4.09
2	BOOTH ORCHARD	0.46	0.12
3	EXCELSIOR	0.20	0.08
4	COLLIER	0.00	0.00
5	COLORADO	48.84	24.43
6	ROCKY FORD HIGHLINE	9.04	6.52
7	OXFORD	0.06	0.02
8	OTERO	12.83	3.85
9	CATLIN	6.54	5.35
10	FORT LYON US	5.17	4.76
11	ROCKY FORD	6.22	1.86
12	HOLBROOK	0.14	0.04
13	LAS ANIMAS CONSOLIDATED	6.27	2.07
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	5.04	2.52
16	KEESE	0.00	0.00
17	AMITY	180.21	83.65
18	LAMAR/MANVEL	5.82	2.04
19	HYDE	0.00	0.00
20	FORT LYON DS	79.26	23.78
21	XY GRAHAM	0.00	0.00
22	BUFFALO	2.96	2.96
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	0.21	0.15
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	375.13	168.29

TABLE 2
Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
December 2002

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
3	0	12	0	0	24	0	0	0	0	39

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
December 2002

	REACH NUMBER									Sum
	11	12	13	14	15	16	17	18	21	
Remaining Depletion	23.68	59.07	187.24	165.36	139.97	163.82	276.87	614.13	36.73	1666.87
Depletion to Usable SL Flow	8.26	20.62	65.35	57.71	48.85	57.17	96.63	214.33	12.82	581.74
Replacements										
FRY-ARK Return Flows	7.70	18.79	29.78	20.76						77.03
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								0.00		0.00
LAWMA-XY Direct Flow					0.00					0.00
LAWMA-Manvel Direct Flow					0.00					0.00
Offset Account Release Credit										0.00
Offset Account Water	0.00									0.00
Total Replacements	7.70	18.79	29.78	20.76	0.00	0.00	0.00	0.00	0.00	77.03
Depletions Carried Forward	0.00	0.00	17.20	57.71	48.85	57.17	96.63	214.33	12.82	504.71

Enclosure 1

John Martin Offset Accounting for December 2002

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	
						8140.05							0.00								5153.75
1	0.00	0.00	0.00	0.00	4.14	8135.91	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	2.62	5151.13	
2	0.00	63.90	63.90	0.00	4.10	8131.81	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	63.90	0.00	0.00	2.59	5212.44	
3	0.00	0.00	0.00	0.00	4.10	8127.71	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	2.62	5209.82	
4	0.00	0.00	0.00	0.00	4.04	8123.67	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	2.59	5207.23	
5	0.00	0.00	0.00	0.00	4.01	8119.66	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	2.57	5204.66	
6	0.00	0.00	0.00	0.00	3.97	8115.69	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	2.54	5202.12	
7	0.00	0.00	0.00	0.00	3.95	8111.74	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	2.54	5199.58	
8	0.00	0.00	0.00	0.00	3.93	8107.81	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	2.53	5197.05	
9	0.00	0.00	0.00	0.00	3.88	8103.93	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	2.48	5194.57	
10	0.00	0.00	0.00	0.00	3.85	8100.08	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	2.47	5192.10	
11	0.00	0.00	0.00	0.00	3.83	8096.25	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	2.45	5189.65	
12	0.00	0.00	0.00	0.00	3.79	8092.46	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	2.43	5187.22	
13	0.00	0.00	0.00	0.00	3.76	8088.70	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	2.40	5184.82	
14	0.00	0.00	0.00	0.00	3.74	8084.96	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	2.39	5182.43	
15	0.00	0.00	0.00	0.00	3.70	8081.26	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	2.36	5180.07	
16	0.00	0.00	0.00	0.00	3.69	8077.57	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	2.36	5177.71	
17	0.00	0.00	0.00	0.00	3.66	8073.91	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	2.34	5175.37	
18	0.00	0.00	0.00	0.00	3.64	8070.27	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	2.33	5173.04	
19	0.00	0.00	0.00	0.00	3.63	8066.64	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	2.33	5170.71	
20	0.00	0.00	0.00	0.00	3.60	8063.04	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	2.30	5168.41	
21	0.00	0.00	0.00	0.00	3.57	8059.47	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	2.28	5166.13	
22	0.00	0.00	0.00	0.00	3.57	8055.90	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	2.29	5163.84	
23	0.00	0.00	0.00	0.00	3.55	8052.35	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	2.27	5161.57	
24	0.00	0.00	0.00	0.00	3.24	8049.11	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	2.08	5159.49	
25	0.00	0.00	0.00	0.00	3.22	8045.89	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	2.06	5157.43	
26	0.00	0.00	0.00	0.00	3.78	8042.11	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	2.42	5155.01	
27	0.00	0.00	0.00	0.00	0.89	8041.22	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.57	5154.44	
28	0.00	0.00	0.00	0.00	0.88	8040.34	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.56	5153.88	
29	0.00	0.00	0.00	0.00	0.87	8039.47	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.56	5153.32	
30	0.00	0.00	0.00	0.00	0.88	8038.59	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.57	5152.75	
31	0.00	0.00	0.00	0.00	0.86	8037.73	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	0.55	5152.20	
	0.00	63.90	63.90	0.00	102.32			0.00	0.00	0.00	0.00	0.00			0.00	63.90	0.00	0.00	65.45		

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	
						5694.17							388.13								152.29
1	0.00	0.00	0.00	0.00	2.90	5691.27	1	0.00	0.00	0.00	0.00	0.20	387.93	1	0.00	0.00	0.00	0.00	0.08	152.21	
2	0.00	63.90	0.00	0.00	2.87	5752.30	2	0.00	0.00	0.00	0.00	0.20	387.73	2	0.00	0.00	0.00	0.00	0.08	152.13	
3	0.00	0.00	0.00	0.00	2.90	5749.40	3	0.00	0.00	0.00	0.00	0.20	387.53	3	0.00	0.00	0.00	0.00	0.08	152.05	
4	0.00	0.00	0.00	0.00	2.86	5746.54	4	0.00	0.00	0.00	0.00	0.19	387.34	4	0.00	0.00	0.00	0.00	0.08	151.97	
5	0.00	0.00	0.00	0.00	2.84	5743.70	5	0.00	0.00	0.00	0.00	0.19	387.15	5	0.00	0.00	0.00	0.00	0.08	151.89	
6	0.00	0.00	0.00	0.00	2.80	5740.90	6	0.00	0.00	0.00	0.00	0.19	386.96	6	0.00	0.00	0.00	0.00	0.07	151.82	
7	0.00	0.00	0.00	0.00	2.80	5738.10	7	0.00	0.00	0.00	0.00	0.19	386.77	7	0.00	0.00	0.00	0.00	0.07	151.75	
8	0.00	0.00	0.00	0.00	2.79	5735.31	8	0.00	0.00	0.00	0.00	0.19	386.58	8	0.00	0.00	0.00	0.00	0.07	151.68	
9	0.00	0.00	0.00	0.00	2.74	5732.57	9	0.00	0.00	0.00	0.00	0.19	386.39	9	0.00	0.00	0.00	0.00	0.07	151.61	
10	0.00	0.00	0.00	0.00	2.72	5729.85	10	0.00	0.00	0.00	0.00	0.18	386.21	10	0.00	0.00	0.00	0.00	0.07	151.54	
11	0.00	0.00	0.00	0.00	2.70	5727.15	11	0.00	0.00	0.00	0.00	0.18	386.03	11	0.00	0.00	0.00	0.00	0.07	151.47	
12	0.00	0.00	0.00	0.00	2.68	5724.47	12	0.00	0.00	0.00	0.00	0.18	385.85	12	0.00	0.00	0.00	0.00	0.07	151.40	
13	0.00	0.00	0.00	0.00	2.65	5721.82	13	0.00	0.00	0.00	0.00	0.18	385.67	13	0.00	0.00	0.00	0.00	0.07	151.33	
14	0.00	0.00	0.00	0.00	2.64	5719.18	14	0.00	0.00	0.00	0.00	0.18	385.49	14	0.00	0.00	0.00	0.00	0.07	151.26	
15	0.00	0.00	0.00	0.00	2.61	5716.57	15	0.00	0.00	0.00	0.00	0.18	385.31	15	0.00	0.00	0.00	0.00	0.07	151.19	
16	0.00	0.00	0.00	0.00	2.61	5713.96	16	0.00	0.00	0.00	0.00	0.18	385.13	16	0.00	0.00	0.00	0.00	0.07	151.12	
17	0.00	0.00	0.00	0.00	2.59	5711.37	17	0.00	0.00	0.00	0.00	0.18	384.95	17	0.00	0.00	0.00	0.00	0.07	151.05	
18	0.00	0.00	0.00	0.00	2.57	5708.80	18	0.00	0.00	0.00	0.00	0.17	384.78	18	0.00	0.00	0.00	0.00	0.07	150.98	
19	0.00	0.00	0.00	0.00	2.57	5706.23	19	0.00	0.00	0.00	0.00	0.17	384.61	19	0.00	0.00	0.00	0.00	0.07	150.91	
20	0.00	0.00	0.00	0.00	2.54	5703.69	20	0.00	0.00	0.00	0.00	0.17	384.44	20	0.00	0.00	0.00	0.00	0.07	150.84	
21	0.00	0.00	0.00	0.00	2.52	5701.17	21	0.00	0.00	0.00	0.00	0.17	384.27	21	0.00	0.00	0.00	0.00	0.07	150.77	
22	0.00	0.00	0.00	0.00	2.53	5698.64	22	0.00	0.00	0.00	0.00	0.17	384.10	22	0.00	0.00	0.00	0.00	0.07	150.70	
23	0.00	0.00	0.00	0.00	2.51	5696.13	23	0.00	0.00	0.00	0.00	0.17	383.93	23	0.00	0.00	0.00	0.00	0.07	150.63	
24	0.00	0.00	0.00	0.00	2.29	5693.84	24	0.00	0.00	0.00	0.00	0.15	383.78	24	0.00	0.00	0.00	0.00	0.06	150.57	
25	0.00	0.00	0.00	0.00	2.27	5691.57	25	0.00	0.00	0.00	0.00	0.15	383.63	25	0.00	0.00	0.00	0.00	0.06	150.51	
26	0.00	0.00	0.00	0.00	2.67	5688.90	26	0.00	0.00	0.00	0.00	0.18	383.45	26	0.00	0.00	0.00	0.00	0.07	150.44	
27	0.00	0.00	0.00	0.00	0.63	5688.27	27	0.00	0.00	0.00	0.00	0.04	383.41	27	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
						2445.88							658.19
1	0.00	0.00	0.00	0.00	1.24	2444.64	1	0.00	0.00	0.00	0.00	0.33	657.86
2	0.00	0.00	63.90	0.00	1.23	2379.51	2	0.00	0.00	9.96	0.00	0.33	647.57
3	0.00	0.00	0.00	0.00	1.20	2378.31	3	0.00	0.00	0.00	0.00	0.33	647.24
4	0.00	0.00	0.00	0.00	1.18	2377.13	4	0.00	0.00	0.00	0.00	0.32	646.92
5	0.00	0.00	0.00	0.00	1.17	2375.96	5	0.00	0.00	0.00	0.00	0.32	646.60
6	0.00	0.00	0.00	0.00	1.17	2374.79	6	0.00	0.00	0.00	0.00	0.32	646.28
7	0.00	0.00	0.00	0.00	1.15	2373.64	7	0.00	0.00	0.00	0.00	0.31	645.97
8	0.00	0.00	0.00	0.00	1.14	2372.50	8	0.00	0.00	0.00	0.00	0.31	645.66
9	0.00	0.00	0.00	0.00	1.14	2371.36	9	0.00	0.00	0.00	0.00	0.31	645.35
10	0.00	0.00	0.00	0.00	1.13	2370.23	10	0.00	0.00	0.00	0.00	0.31	645.04
11	0.00	0.00	0.00	0.00	1.13	2369.10	11	0.00	0.00	0.00	0.00	0.31	644.73
12	0.00	0.00	0.00	0.00	1.11	2367.99	12	0.00	0.00	0.00	0.00	0.30	644.43
13	0.00	0.00	0.00	0.00	1.11	2366.88	13	0.00	0.00	0.00	0.00	0.30	644.13
14	0.00	0.00	0.00	0.00	1.10	2365.78	14	0.00	0.00	0.00	0.00	0.30	643.83
15	0.00	0.00	0.00	0.00	1.09	2364.69	15	0.00	0.00	0.00	0.00	0.30	643.53
16	0.00	0.00	0.00	0.00	1.08	2363.61	16	0.00	0.00	0.00	0.00	0.29	643.24
17	0.00	0.00	0.00	0.00	1.07	2362.54	17	0.00	0.00	0.00	0.00	0.29	642.95
18	0.00	0.00	0.00	0.00	1.07	2361.47	18	0.00	0.00	0.00	0.00	0.29	642.66
19	0.00	0.00	0.00	0.00	1.06	2360.41	19	0.00	0.00	0.00	0.00	0.29	642.37
20	0.00	0.00	0.00	0.00	1.06	2359.35	20	0.00	0.00	0.00	0.00	0.29	642.08
21	0.00	0.00	0.00	0.00	1.05	2358.30	21	0.00	0.00	0.00	0.00	0.29	641.79
22	0.00	0.00	0.00	0.00	1.04	2357.26	22	0.00	0.00	0.00	0.00	0.28	641.51
23	0.00	0.00	0.00	0.00	1.04	2356.22	23	0.00	0.00	0.00	0.00	0.28	641.23
24	0.00	0.00	0.00	0.00	0.95	2355.27	24	0.00	0.00	0.00	0.00	0.26	640.97
25	0.00	0.00	0.00	0.00	0.95	2354.32	25	0.00	0.00	0.00	0.00	0.26	640.71
26	0.00	0.00	0.00	0.00	1.11	2353.21	26	0.00	0.00	0.00	0.00	0.30	640.41
27	0.00	0.00	0.00	0.00	0.26	2352.95	27	0.00	0.00	0.00	0.00	0.07	640.34
28	0.00	0.00	0.00	0.00	0.26	2352.69	28	0.00	0.00	0.00	0.00	0.07	640.27
29	0.00	0.00	0.00	0.00	0.25	2352.44	29	0.00	0.00	0.00	0.00	0.07	640.20
30	0.00	0.00	0.00	0.00	0.25	2352.19	30	0.00	0.00	0.00	0.00	0.07	640.13
31	0.00	0.00	0.00	0.00	0.25	2351.94	31	0.00	0.00	0.00	0.00	0.07	640.06
	0.00	0.00	63.90	0.00	30.04			0.00	0.00	9.96	0.00	8.17	

OffsetAccount-ReturnFlow

OffsetAccount-ReturnFlow

Return Flow

Unused

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1787.69							0.00
1	0.00	0.00	0.00	0.00	0.91	1786.78	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	53.94	0.00	0.90	1731.94	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.87	1731.07	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.86	1730.21	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.85	1729.36	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.85	1728.51	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.84	1727.67	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.83	1726.84	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.83	1726.01	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.82	1725.19	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.82	1724.37	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.81	1723.56	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.81	1722.75	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.80	1721.95	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.79	1721.16	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.79	1720.37	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.78	1719.59	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.78	1718.81	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.77	1718.04	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.77	1717.27	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.76	1716.51	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.76	1715.75	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.76	1714.99	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.69	1714.30	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.69	1713.61	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.81	1712.80	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.19	1712.61	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.19	1712.42	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.18	1712.24	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.18	1712.06	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.18	1711.88	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	53.94	0.00	21.87			0.00	0.00	0.00	0.00	0.00	

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

March 31, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for January 2003

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, 2003.

Table 1 shows the amount of pumping during the month of January 2003 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.

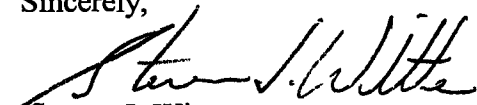
Since the depletions caused by pumping above John Martin Reservoir were fully replaced, and that accounting has been provided to Kansas, and the depletions caused by pumping below John Martin Reservoir which affect senior surface water rights in Colorado were fully replaced, and that accounting has been 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 a call by a Colorado surface water right in those reaches on none of the days in January. 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 since there was a call by a Colorado surface water right in those reaches on none of the days in 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 that were made during the month.

As indicated in Table 3, LAWMA carried forward a deficit of 947.91 acre-feet from January 2003 into February 2003. As of January 31, 2003, there was 7976.40 acre-feet being stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of January 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	Robin Jennison	John Draper	Monique Morey
	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
January 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	3.74	3.08
2	BOOTH ORCHARD	0.40	0.13
3	EXCELSIOR	4.74	2.32
4	COLLIER	0.00	0.00
5	COLORADO	0.59	0.31
6	ROCKY FORD HIGHLINE	7.40	7.19
7	OXFORD	0.40	0.12
8	OTERO	0.00	0.00
9	CATLIN	12.85	12.44
10	FORT LYON US	15.59	8.73
11	ROCKY FORD	4.46	1.34
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	1.30	0.95
14	BALDWIN-STUBBS	0.23	0.12
15	FORT BENT	1.63	0.57
16	KEESE	0.00	0.00
17	AMITY	157.23	78.30
18	LAMAR/MANVEL	50.59	15.52
19	HYDE	0.00	0.00
20	FORT LYON DS	148.02	44.49
21	XY GRAHAM	74.82	23.94
22	BUFFALO	4.45	4.45
23	SISSON	0.06	0.06
24	STATELINE SOLE SOURCE	6.89	3.95
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	495.39	208.01

TABLE 2
Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
January 2003

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
1	0	3	13	0	44	24	0	0	4	89

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
January 2003

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Balance Forward from Dec02	0.00	0.00	17.20	57.71	48.85	57.17	96.63	214.33	12.82	504.71
Remaining Depletion	21.42	49.85	165.23	148.84	116.83	149.68	254.18	530.53	33.77	1470.33
Depletion to Usable SL Flow	7.48	17.40	74.86	109.66	89.62	109.41	185.34	399.49	24.60	1017.86
Replacements										
FRY-ARK Return Flows	6.95	15.85	27.92	19.23						69.95
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								0.00		0.00
LAWMA-XY Direct Flow					0.00					0.00
LAWMA-Manvel Direct Flow					0.00					0.00
Offset Account Release Credit										0.00
Offset Account Water	0.00									0.00
Total Replacements	6.95	15.85	27.92	19.23	0.00	0.00	0.00	0.00	0.00	69.95
Depletions Carried Forward	0.00	0.00	29.79	109.66	89.62	109.41	185.34	399.49	24.60	947.91

Enclosure 1

John Martin Offset Accounting for January 2003

Offset Account

January 2003

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
						8037.73							0.00							5152.20
1	0.00	0.00	0.00	0.00	0.85	8036.88	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.54	5151.66
2	0.00	0.00	0.00	0.00	0.84	8036.04	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.53	5151.13
3	0.00	0.00	0.00	0.00	0.82	8035.22	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.51	5150.62
4	0.00	0.00	0.00	0.00	0.83	8034.39	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.53	5150.09
5	0.00	0.00	0.00	0.00	0.81	8033.58	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.52	5149.57
6	0.00	0.00	0.00	0.00	0.81	8032.77	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.52	5149.05
7	0.00	0.00	0.00	0.00	0.80	8031.97	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.51	5148.54
8	0.00	0.00	0.00	0.00	1.32	8030.65	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.85	5147.69
9	0.00	0.00	0.00	0.00	1.32	8029.33	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.85	5146.84
10	0.00	0.00	0.00	0.00	1.30	8028.03	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.84	5146.00
11	0.00	0.00	0.00	0.00	1.30	8026.73	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.84	5145.16
12	0.00	0.00	0.00	0.00	1.29	8025.44	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.83	5144.33
13	0.00	0.00	0.00	0.00	1.54	8023.90	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.99	5143.34
14	0.00	0.00	0.00	0.00	2.06	8021.84	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	1.32	5142.02
15	0.00	0.00	0.00	0.00	2.54	8019.30	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	1.63	5140.39
16	0.00	0.00	0.00	0.00	2.53	8016.77	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	1.62	5138.77
17	0.00	0.00	0.00	0.00	2.52	8014.25	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	1.61	5137.16
18	0.00	0.00	0.00	0.00	2.50	8011.75	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	1.60	5135.56
19	0.00	0.00	0.00	0.00	2.50	8009.25	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	1.60	5133.96
20	0.00	0.00	0.00	0.00	2.49	8006.76	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	1.59	5132.37
21	0.00	0.00	0.00	0.00	2.97	8003.79	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	1.90	5130.47
22	0.00	0.00	0.00	0.00	2.46	8001.33	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	1.57	5128.90
23	0.00	0.00	0.00	0.00	2.45	7998.88	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	1.57	5127.33
24	0.00	0.00	0.00	0.00	2.44	7996.44	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	1.56	5125.77
25	0.00	0.00	0.00	0.00	2.44	7994.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	1.56	5124.21
26	0.00	0.00	0.00	0.00	2.66	7991.34	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	1.70	5122.51
27	0.00	0.00	0.00	0.00	2.88	7988.46	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	1.85	5120.66
28	0.00	0.00	0.00	0.00	2.87	7985.59	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	1.84	5118.82
29	0.00	0.00	0.00	0.00	2.85	7982.74	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	1.82	5117.00
30	0.00	0.00	0.00	0.00	3.06	7979.68	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	1.96	5115.04
31	0.00	0.00	0.00	0.00	3.28	7976.40	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	0.00	0.00	0.00	2.10	5112.94
	0.00	0.00	0.00	0.00	61.33			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	39.26	
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
						5685.79							383.25							150.34
1	0.00	0.00	0.00	0.00	0.60	5685.19	1	0.00	0.00	0.00	0.00	0.04	383.21	1	0.00	0.00	0.00	0.00	0.02	150.32
2	0.00	0.00	0.00	0.00	0.59	5684.60	2	0.00	0.00	0.00	0.00	0.04	383.17	2	0.00	0.00	0.00	0.00	0.02	150.30
3	0.00	0.00	0.00	0.00	0.57	5684.03	3	0.00	0.00	0.00	0.00	0.04	383.13	3	0.00	0.00	0.00	0.00	0.02	150.28
4	0.00	0.00	0.00	0.00	0.59	5683.44	4	0.00	0.00	0.00	0.00	0.04	383.09	4	0.00	0.00	0.00	0.00	0.02	150.26
5	0.00	0.00	0.00	0.00	0.58	5682.86	5	0.00	0.00	0.00	0.00	0.04	383.05	5	0.00	0.00	0.00	0.00	0.02	150.24
6	0.00	0.00	0.00	0.00	0.58	5682.28	6	0.00	0.00	0.00	0.00	0.04	383.01	6	0.00	0.00	0.00	0.00	0.02	150.22
7	0.00	0.00	0.00	0.00	0.57	5681.71	7	0.00	0.00	0.00	0.00	0.04	382.97	7	0.00	0.00	0.00	0.00	0.02	150.20
8	0.00	0.00	0.00	0.00	0.93	5680.78	8	0.00	0.00	0.00	0.00	0.06	382.91	8	0.00	0.00	0.00	0.00	0.02	150.18
9	0.00	0.00	0.00	0.00	0.93	5679.85	9	0.00	0.00	0.00	0.00	0.06	382.85	9	0.00	0.00	0.00	0.00	0.02	150.16
10	0.00	0.00	0.00	0.00	0.92	5678.93	10	0.00	0.00	0.00	0.00	0.06	382.79	10	0.00	0.00	0.00	0.00	0.02	150.14
11	0.00	0.00	0.00	0.00	0.92	5678.01	11	0.00	0.00	0.00	0.00	0.06	382.73	11	0.00	0.00	0.00	0.00	0.02	150.12
12	0.00	0.00	0.00	0.00	0.91	5677.10	12	0.00	0.00	0.00	0.00	0.06	382.67	12	0.00	0.00	0.00	0.00	0.02	150.10
13	0.00	0.00	0.00	0.00	1.09	5676.01	13	0.00	0.00	0.00	0.00	0.07	382.60	13	0.00	0.00	0.00	0.00	0.03	150.07
14	0.00	0.00	0.00	0.00	1.46	5674.55	14	0.00	0.00	0.00	0.00	0.10	382.50	14	0.00	0.00	0.00	0.00	0.04	150.03
15	0.00	0.00	0.00	0.00	1.80	5672.75	15	0.00	0.00	0.00	0.00	0.12	382.38	15	0.00	0.00	0.00	0.00	0.05	149.98
16	0.00	0.00	0.00	0.00	1.79	5670.96	16	0.00	0.00	0.00	0.00	0.12	382.26	16	0.00	0.00	0.00	0.00	0.05	149.93
17	0.00	0.00	0.00	0.00	1.78	5669.18	17	0.00	0.00	0.00	0.00	0.12	382.14	17	0.00	0.00	0.00	0.00	0.05	149.88
18	0.00	0.00	0.00	0.00	1.77	5667.41	18	0.00	0.00	0.00	0.00	0.12	382.02	18	0.00	0.00	0.00	0.00	0.05	149.83
19	0.00	0.00	0.00	0.00	1.77	5665.64	19	0.00	0.00	0.00	0.00	0.12	381.90	19	0.00	0.00	0.00	0.00	0.05	149.78
20	0.00	0.00	0.00	0.00	1.76	5663.88	20	0.00	0.00	0.00	0.00	0.12	381.78	20	0.00	0.00	0.00	0.00	0.05	149.73
21	0.00	0.00	0.00	0.00	2.10	5661.78	21	0.00	0.00	0.00	0.00	0.14	381.64	21	0.00	0.00	0.00	0.00	0.06	149.67
22	0.00	0.00	0.00	0.00	1.74	5660.04	22	0.00	0.00	0.00	0.00	0.12	381.52	22	0.00	0.00	0.00	0.00	0.05	149.62
23	0.00	0.00	0.00	0.00	1.74	5658.30	23	0.00	0.00	0.00	0.00	0.12	381.40	23	0.00	0.00	0.00	0.00	0.05	149.57
24	0.00	0.00	0.00	0.00	1.73	5656.57	24	0.00	0.00	0.00	0.00	0.12	381.28	24	0.00	0.00	0.00	0.00	0.05	149.52
25	0.00	0.00	0.00	0.00	1.73	5654.84	25	0.00	0.00	0.00	0.00	0.12	381.16	25	0.00	0.00	0.00	0.00	0.05	149.47
26	0.00	0.00	0.00	0.00	1.88	5652.96	26	0.00	0.00	0.00	0.00	0.13	381.03	26	0.00	0.00	0.00	0.00	0.05	149.42
27	0.00	0.00	0.00	0.00	2.04	5650.92	27	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
						2351.94							640.06
1	0.00	0.00	0.00	0.00	0.25	2351.69	1	0.00	0.00	0.00	0.00	0.07	639.99
2	0.00	0.00	0.00	0.00	0.25	2351.44	2	0.00	0.00	0.00	0.00	0.07	639.92
3	0.00	0.00	0.00	0.00	0.25	2351.19	3	0.00	0.00	0.00	0.00	0.07	639.85
4	0.00	0.00	0.00	0.00	0.24	2350.95	4	0.00	0.00	0.00	0.00	0.07	639.78
5	0.00	0.00	0.00	0.00	0.23	2350.72	5	0.00	0.00	0.00	0.00	0.06	639.72
6	0.00	0.00	0.00	0.00	0.23	2350.49	6	0.00	0.00	0.00	0.00	0.06	639.66
7	0.00	0.00	0.00	0.00	0.23	2350.26	7	0.00	0.00	0.00	0.00	0.06	639.60
8	0.00	0.00	0.00	0.00	0.39	2349.87	8	0.00	0.00	0.00	0.00	0.11	639.49
9	0.00	0.00	0.00	0.00	0.39	2349.48	9	0.00	0.00	0.00	0.00	0.11	639.38
10	0.00	0.00	0.00	0.00	0.38	2349.10	10	0.00	0.00	0.00	0.00	0.10	639.28
11	0.00	0.00	0.00	0.00	0.38	2348.72	11	0.00	0.00	0.00	0.00	0.10	639.18
12	0.00	0.00	0.00	0.00	0.38	2348.34	12	0.00	0.00	0.00	0.00	0.10	639.08
13	0.00	0.00	0.00	0.00	0.45	2347.89	13	0.00	0.00	0.00	0.00	0.12	638.96
14	0.00	0.00	0.00	0.00	0.60	2347.29	14	0.00	0.00	0.00	0.00	0.16	638.80
15	0.00	0.00	0.00	0.00	0.74	2346.55	15	0.00	0.00	0.00	0.00	0.20	638.60
16	0.00	0.00	0.00	0.00	0.74	2345.81	16	0.00	0.00	0.00	0.00	0.20	638.40
17	0.00	0.00	0.00	0.00	0.74	2345.07	17	0.00	0.00	0.00	0.00	0.20	638.20
18	0.00	0.00	0.00	0.00	0.73	2344.34	18	0.00	0.00	0.00	0.00	0.20	638.00
19	0.00	0.00	0.00	0.00	0.73	2343.61	19	0.00	0.00	0.00	0.00	0.20	637.80
20	0.00	0.00	0.00	0.00	0.73	2342.88	20	0.00	0.00	0.00	0.00	0.20	637.60
21	0.00	0.00	0.00	0.00	0.87	2342.01	21	0.00	0.00	0.00	0.00	0.24	637.36
22	0.00	0.00	0.00	0.00	0.72	2341.29	22	0.00	0.00	0.00	0.00	0.20	637.16
23	0.00	0.00	0.00	0.00	0.71	2340.58	23	0.00	0.00	0.00	0.00	0.19	636.97
24	0.00	0.00	0.00	0.00	0.71	2339.87	24	0.00	0.00	0.00	0.00	0.19	636.78
25	0.00	0.00	0.00	0.00	0.71	2339.16	25	0.00	0.00	0.00	0.00	0.19	636.59
26	0.00	0.00	0.00	0.00	0.78	2338.38	26	0.00	0.00	0.00	0.00	0.21	636.38
27	0.00	0.00	0.00	0.00	0.84	2337.54	27	0.00	0.00	0.00	0.00	0.23	636.15
28	0.00	0.00	0.00	0.00	0.84	2336.70	28	0.00	0.00	0.00	0.00	0.23	635.92
29	0.00	0.00	0.00	0.00	0.84	2335.86	29	0.00	0.00	0.00	0.00	0.23	635.69
30	0.00	0.00	0.00	0.00	0.89	2334.97	30	0.00	0.00	0.00	0.00	0.24	635.45
31	0.00	0.00	0.00	0.00	0.96	2334.01	31	0.00	0.00	0.00	0.00	0.26	635.19
	0.00	0.00	0.00	0.00	17.93			0.00	0.00	0.00	0.00	4.87	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Unused						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1711.88							0.00
1	0.00	0.00	0.00	0.00	0.18	1711.70	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.18	1711.52	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.18	1711.34	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.17	1711.17	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.17	1711.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.17	1710.83	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.17	1710.66	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.28	1710.38	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.28	1710.10	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.28	1709.82	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.28	1709.54	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.28	1709.26	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.33	1708.93	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.44	1708.49	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.54	1707.95	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.54	1707.41	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.54	1706.87	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.53	1706.34	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.53	1705.81	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.53	1705.28	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.63	1704.65	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.52	1704.13	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.52	1703.61	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.52	1703.09	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.52	1702.57	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.57	1702.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.61	1701.39	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.61	1700.78	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.61	1700.17	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.65	1699.52	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.70	1698.82	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	13.06			0.00	0.00	0.00	0.00	0.00	

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

April 21, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for February 2003

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 February, 2003.

Table 1 shows the amount of pumping during the month of February 2003 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.

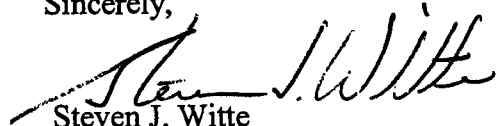
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the 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 a call by a Colorado surface water right in those reaches on none of the days in February. 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 since there was a call by a Colorado surface water right in those reaches on none of the days in 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 that were made during the month.

At 2400 hours on February 28, 2003, 286.96 acre-feet of water was transferred to the Offset Account from LAWMA's XY/Graham and Stubbs Article II accounts. 153.99 acre-feet from this transfer was placed in the Colorado Consumable subaccount of the Offset Account and 14.35 acre-feet was placed in the Kansas Charge subaccount as payment for the 5% charge for deliveries over 10,000 acre-feet. The remaining 118.62 acre-feet of the transfer was placed in the Stateline Return Flow subaccount (86.62 acre-feet) and the Return Flow Transit Loss subaccount (32 acre-feet) of the Offset Account.

As indicated in Table 3, LAWMA carried forward a deficit of 1346.53 acre-feet from February 2003 into March 2003. As of February 28, 2003, there was 8122.03 acre-feet being stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of February 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	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
February 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	23.49	9.38
2	BOOTH ORCHARD	0.58	0.17
3	EXCELSIOR	34.06	19.58
4	COLLIER	0.00	0.00
5	COLORADO	45.70	22.82
6	ROCKY FORD HIGHLINE	4.91	4.48
7	OXFORD	28.50	8.57
8	OTERO	0.00	0.00
9	CATLIN	9.12	9.00
10	FORT LYON US	13.99	8.49
11	ROCKY FORD	36.87	11.06
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	3.75	1.40
14	BALDWIN-STUBBS	5.50	2.75
15	FORT BENT	5.16	1.55
16	KEESE	0.00	0.00
17	AMITY	538.84	205.37
18	LAMAR/MANVEL	6.31	2.21
19	HYDE	0.00	0.00
20	FORT LYON DS	377.39	121.34
21	XY GRAHAM	0.00	0.00
22	BUFFALO	5.38	4.55
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	101.74	73.13
600	LAWMA A.P.D.	255.30	81.70
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	1496.59	587.55

TABLE 2
Wellhead Depletions From Irrigation Wells Below John Martin Reservoir (Acre-Feet)
(Reduced By Pre-Compact Entitlements)
February 2003

USER NUMBER										
15	16	17	18	19	20	21	22	23	24	Total
2	0	137	0	0	121	0	0	0	73	333

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
February 2003

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Balance Forward from Jan03	0.00	0.00	29.79	109.66	89.62	109.41	185.34	399.49	24.60	947.91
Remaining Depletion	20.24	45.28	155.08	138.71	98.56	138.47	237.93	470.88	29.53	1334.68
Depletion to Usable SL Flow	7.06	15.80	83.91	158.07	124.02	157.74	268.37	563.82	34.91	1413.70
Replacements										
FRY-ARK Return Flows	6.58	14.48	27.32	18.79						67.17
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								0.00		0.00
LAWMA-XY Direct Flow					0.00					0.00
LAWMA-Manvel Direct Flow					0.00					0.00
Offset Account Release Credit										0.00
Offset Account Water	0.00									0.00
Total Replacements	6.58	14.48	27.32	18.79	0.00	0.00	0.00	0.00	0.00	67.17
Depletions Carried Forward	0.00	0.00	39.60	158.07	124.02	157.74	268.37	563.82	34.91	1346.53

Enclosure 1

John Martin Offset Accounting for February 2003

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				
						7976.40							0.00							5112.94				
1	0.00	0.00	0.00	0.00	5.11	7971.29	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	3.27	5109.67				
2	0.00	0.00	0.00	0.00	5.08	7966.21	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	3.26	5106.41				
3	0.00	0.00	0.00	0.00	5.03	7961.18	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	3.23	5103.18				
4	0.00	0.00	0.00	0.00	5.02	7956.16	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	3.22	5099.96				
5	0.00	0.00	0.00	0.00	5.23	7950.93	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	3.35	5096.61				
6	0.00	0.00	0.00	0.00	5.20	7945.73	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	3.33	5093.28				
7	0.00	0.00	0.00	0.00	5.17	7940.56	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	3.31	5089.97				
8	0.00	0.00	0.00	0.00	5.16	7935.40	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	3.30	5086.67				
9	0.00	0.00	0.00	0.00	5.13	7930.27	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	3.29	5083.38				
10	0.00	0.00	0.00	0.00	5.11	7925.16	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	3.27	5080.11				
11	0.00	0.00	0.00	0.00	5.11	7920.05	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	3.27	5076.84				
12	0.00	0.00	0.00	0.00	5.06	7914.99	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	3.25	5073.59				
13	0.00	0.00	0.00	0.00	5.03	7909.96	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	3.23	5070.36				
14	0.00	0.00	0.00	0.00	5.01	7904.95	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	3.21	5067.15				
15	0.00	0.00	0.00	0.00	4.98	7899.97	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	3.19	5063.96				
16	0.00	0.00	0.00	0.00	4.94	7895.03	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	3.17	5060.79				
17	0.00	0.00	0.00	0.00	5.13	7889.90	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	3.29	5057.50				
18	0.00	0.00	0.00	0.00	5.12	7884.78	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	3.28	5054.22				
19	0.00	0.00	0.00	0.00	5.06	7879.72	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	3.25	5050.97				
20	0.00	0.00	0.00	0.00	5.03	7874.69	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	3.23	5047.74				
21	0.00	0.00	0.00	0.00	5.01	7869.68	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	3.21	5044.53				
22	0.00	0.00	0.00	0.00	4.99	7864.69	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	3.20	5041.33				
23	0.00	0.00	0.00	0.00	4.98	7859.71	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	3.19	5038.14				
24	0.00	0.00	0.00	0.00	4.96	7854.75	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	3.18	5034.96				
25	0.00	0.00	0.00	0.00	4.94	7849.81	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	3.17	5031.79				
26	0.00	0.00	0.00	0.00	4.92	7844.89	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	3.16	5028.63				
27	0.00	0.00	0.00	0.00	4.91	7839.98	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	3.15	5025.48				
28	0.00	824.91	537.95	0.00	4.88	8122.06	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	537.95	0.00	0.00	3.13	5560.30				
0.00						824.91	0.00						0.00	0.00	0.00						537.95	0.00	0.00	90.59

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												
						5642.39							380.30							149.15												
1	0.00	0.00	0.00	0.00	3.61	5638.78	1	0.00	0.00	0.00	0.00	0.24	380.06	1	0.00	0.00	0.00	0.00	0.10	149.05												
2	0.00	0.00	0.00	0.00	3.60	5635.18	2	0.00	0.00	0.00	0.00	0.24	379.82	2	0.00	0.00	0.00	0.00	0.10	148.95												
3	0.00	0.00	0.00	0.00	3.56	5631.62	3	0.00	0.00	0.00	0.00	0.24	379.58	3	0.00	0.00	0.00	0.00	0.09	148.86												
4	0.00	0.00	0.00	0.00	3.55	5628.07	4	0.00	0.00	0.00	0.00	0.24	379.34	4	0.00	0.00	0.00	0.00	0.09	148.77												
5	0.00	0.00	0.00	0.00	3.70	5624.37	5	0.00	0.00	0.00	0.00	0.25	379.09	5	0.00	0.00	0.00	0.00	0.10	148.67												
6	0.00	0.00	0.00	0.00	3.68	5620.69	6	0.00	0.00	0.00	0.00	0.25	378.84	6	0.00	0.00	0.00	0.00	0.10	148.57												
7	0.00	0.00	0.00	0.00	3.66	5617.03	7	0.00	0.00	0.00	0.00	0.25	378.59	7	0.00	0.00	0.00	0.00	0.10	148.47												
8	0.00	0.00	0.00	0.00	3.65	5613.38	8	0.00	0.00	0.00	0.00	0.25	378.34	8	0.00	0.00	0.00	0.00	0.10	148.37												
9	0.00	0.00	0.00	0.00	3.63	5609.75	9	0.00	0.00	0.00	0.00	0.24	378.10	9	0.00	0.00	0.00	0.00	0.10	148.27												
10	0.00	0.00	0.00	0.00	3.61	5606.14	10	0.00	0.00	0.00	0.00	0.24	377.86	10	0.00	0.00	0.00	0.00	0.10	148.17												
11	0.00	0.00	0.00	0.00	3.61	5602.53	11	0.00	0.00	0.00	0.00	0.24	377.62	11	0.00	0.00	0.00	0.00	0.10	148.07												
12	0.00	0.00	0.00	0.00	3.58	5598.95	12	0.00	0.00	0.00	0.00	0.24	377.38	12	0.00	0.00	0.00	0.00	0.09	147.98												
13	0.00	0.00	0.00	0.00	3.56	5595.39	13	0.00	0.00	0.00	0.00	0.24	377.14	13	0.00	0.00	0.00	0.00	0.09	147.89												
14	0.00	0.00	0.00	0.00	3.54	5591.85	14	0.00	0.00	0.00	0.00	0.24	376.90	14	0.00	0.00	0.00	0.00	0.09	147.80												
15	0.00	0.00	0.00	0.00	3.52	5588.33	15	0.00	0.00	0.00	0.00	0.24	376.66	15	0.00	0.00	0.00	0.00	0.09	147.71												
16	0.00	0.00	0.00	0.00	3.50	5584.83	16	0.00	0.00	0.00	0.00	0.24	376.42	16	0.00	0.00	0.00	0.00	0.09	147.62												
17	0.00	0.00	0.00	0.00	3.63	5581.20	17	0.00	0.00	0.00	0.00	0.24	376.18	17	0.00	0.00	0.00	0.00	0.10	147.52												
18	0.00	0.00	0.00	0.00	3.62	5577.58	18	0.00	0.00	0.00	0.00	0.24	375.94	18	0.00	0.00	0.00	0.00	0.10	147.42												
19	0.00	0.00	0.00	0.00	3.58	5574.00	19	0.00	0.00	0.00	0.00	0.24	375.70	19	0.00	0.00	0.00	0.00	0.09	147.33												
20	0.00	0.00	0.00	0.00	3.56	5570.44	20	0.00	0.00	0.00	0.00	0.24	375.46	20	0.00	0.00	0.00	0.00	0.09	147.24												
21	0.00	0.00	0.00	0.00	3.54	5566.90	21	0.00	0.00	0.00	0.00	0.24	375.22	21	0.00	0.00	0.00	0.00	0.09	147.15												
22	0.00	0.00	0.00	0.00	3.53	5563.37	22	0.00	0.00	0.00	0.00	0.24	374.98	22	0.00	0.00	0.00	0.00	0.09	147.06												
23	0.00	0.00	0.00	0.00	3.52	5559.85	23	0.00	0.00	0.00	0.00	0.24	374.74	23	0.00	0.00	0.00	0.00	0.09	146.97												
24	0.00	0.00	0.00	0.00	3.51	5556.34	24	0.00	0.00	0.00	0.00	0.24	374.50	24	0.00	0.00	0.00	0.00	0.09	146.88												
25	0.00	0.00	0.00	0.00	3.50	5552.84	25	0.00	0.00	0.00	0.00	0.24	374.26	25	0.00	0.00	0.00	0.00	0.09	146.79												
26	0.00	0.00	0.00	0.00	3.48	5549.36	26	0.00	0.00	0.00	0.00	0.23	374.03	26	0.00	0.00	0.00	0.00	0.09	146.70												
27	0.00	0.00	0.00	0.00	3.47	5545.89	27	0.00	0.00	0.00	0.00	0.23	373.80	27	0.00	0.00	0.00	0.00	0.09	146.61												
28	0.00	706.29	400.56	0.00	3.45	5848.17	28	0.00	153.99	400.56	0.00	0.23	127.00	28	0.00	14.35	0.00	0.00	0.09	160.87												
0.00						706.29	0.00						153.99	400.56	0.00						0.23	6.73	0.00						14.35	0.00	0.00	2.63

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2334.01							635.19
1	0.00	0.00	0.00	0.00	1.50	2332.51	1	0.00	0.00	0.00	0.00	0.41	634.78
2	0.00	0.00	0.00	0.00	1.48	2331.03	2	0.00	0.00	0.00	0.00	0.40	634.38
3	0.00	0.00	0.00	0.00	1.47	2329.56	3	0.00	0.00	0.00	0.00	0.40	633.98
4	0.00	0.00	0.00	0.00	1.47	2328.09	4	0.00	0.00	0.00	0.00	0.40	633.58
5	0.00	0.00	0.00	0.00	1.53	2326.56	5	0.00	0.00	0.00	0.00	0.42	633.16
6	0.00	0.00	0.00	0.00	1.52	2325.04	6	0.00	0.00	0.00	0.00	0.41	632.75
7	0.00	0.00	0.00	0.00	1.51	2323.53	7	0.00	0.00	0.00	0.00	0.41	632.34
8	0.00	0.00	0.00	0.00	1.51	2322.02	8	0.00	0.00	0.00	0.00	0.41	631.93
9	0.00	0.00	0.00	0.00	1.50	2320.52	9	0.00	0.00	0.00	0.00	0.41	631.52
10	0.00	0.00	0.00	0.00	1.50	2319.02	10	0.00	0.00	0.00	0.00	0.41	631.11
11	0.00	0.00	0.00	0.00	1.50	2317.52	11	0.00	0.00	0.00	0.00	0.41	630.70
12	0.00	0.00	0.00	0.00	1.48	2316.04	12	0.00	0.00	0.00	0.00	0.40	630.30
13	0.00	0.00	0.00	0.00	1.47	2314.57	13	0.00	0.00	0.00	0.00	0.40	629.90
14	0.00	0.00	0.00	0.00	1.47	2313.10	14	0.00	0.00	0.00	0.00	0.40	629.50
15	0.00	0.00	0.00	0.00	1.46	2311.64	15	0.00	0.00	0.00	0.00	0.40	629.10
16	0.00	0.00	0.00	0.00	1.44	2310.20	16	0.00	0.00	0.00	0.00	0.39	628.71
17	0.00	0.00	0.00	0.00	1.50	2308.70	17	0.00	0.00	0.00	0.00	0.41	628.30
18	0.00	0.00	0.00	0.00	1.50	2307.20	18	0.00	0.00	0.00	0.00	0.41	627.89
19	0.00	0.00	0.00	0.00	1.48	2305.72	19	0.00	0.00	0.00	0.00	0.40	627.49
20	0.00	0.00	0.00	0.00	1.47	2304.25	20	0.00	0.00	0.00	0.00	0.40	627.09
21	0.00	0.00	0.00	0.00	1.47	2302.78	21	0.00	0.00	0.00	0.00	0.40	626.69
22	0.00	0.00	0.00	0.00	1.46	2301.32	22	0.00	0.00	0.00	0.00	0.40	626.29
23	0.00	0.00	0.00	0.00	1.46	2299.86	23	0.00	0.00	0.00	0.00	0.40	625.89
24	0.00	0.00	0.00	0.00	1.45	2298.41	24	0.00	0.00	0.00	0.00	0.39	625.50
25	0.00	0.00	0.00	0.00	1.44	2296.97	25	0.00	0.00	0.00	0.00	0.39	625.11
26	0.00	0.00	0.00	0.00	1.44	2295.53	26	0.00	0.00	0.00	0.00	0.39	624.72
27	0.00	0.00	0.00	0.00	1.44	2294.09	27	0.00	0.00	0.00	0.00	0.39	624.33
28	0.00	118.62	137.39	0.00	1.43	2273.89	28	0.00	32.00	21.14	0.00	0.39	634.80
	0.00	118.62	137.39	0.00	41.35			0.00	32.00	21.14	0.00	11.25	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1698.82							0.00
1	0.00	0.00	0.00	0.00	1.09	1697.73	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.08	1696.65	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.07	1695.58	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.07	1694.51	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.11	1693.40	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.11	1692.29	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.10	1691.19	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.10	1690.09	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.09	1689.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.09	1687.91	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.09	1686.82	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.08	1685.74	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.07	1684.67	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.07	1683.60	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.06	1682.54	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.05	1681.49	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.09	1680.40	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.09	1679.31	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.08	1678.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.07	1677.16	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.07	1676.09	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.06	1675.03	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.06	1673.97	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.06	1672.91	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.05	1671.86	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	1.05	1670.81	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.05	1669.76	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	86.62	116.25	0.00	1.04	1639.09	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	86.62	116.25	0.00	30.10			0.00	0.00	0.00	0.00	0.00	

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

May 30, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for March 2003

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, 2003.

Table 1 shows the amount of pumping during the month of March 2003 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.

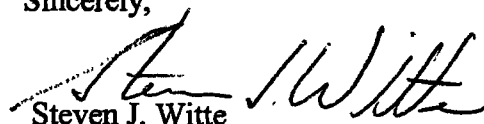
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the 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 a call by a Colorado surface water right in those reaches on none of the days in March. 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 since there was a call by a Colorado surface water right in those reaches on none of the days in 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 that were made during the month.

At 2400 hours on March 31, 2003, 1000 acre-feet of water was transferred to the Offset Account from a contract lease/exchange of Fort Lyon Article III water. The transfer involved 500 acre-feet being placed in the Colorado Consumable subaccount of the Offset Account and 500 acre-feet was placed in the Kansas Charge subaccount as payment for the 5% charge for deliveries up to 10,000 acre-feet. The delivery was more fully described in the April 4, 2003 letter to you.

As indicated in Table 3, 1753.97 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 1753.97 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 March 31, 2003, there was 8870.30 acre-feet being stored in 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	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
March 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	297.81	106.89
2	BOOTH ORCHARD	16.21	9.53
3	EXCELSIOR	115.36	69.86
4	COLLIER	0.00	0.00
5	COLORADO	24.57	12.25
6	ROCKY FORD HIGHLINE	62.64	24.86
7	OXFORD	255.43	83.88
8	OTERO	0.40	0.20
9	CATLIN	121.14	55.16
10	FORT LYON US	152.05	46.37
11	ROCKY FORD	7.87	2.37
12	HOLBROOK	74.18	22.26
13	LAS ANIMAS CONSOLIDATED	8.02	4.74
14	BALDWIN-STUBBS	29.66	14.83
15	FORT BENT	127.47	42.25
16	KEESE	27.47	16.12
17	AMITY	1098.75	470.07
18	LAMAR/MANVEL	634.22	247.45
19	HYDE	7.41	2.22
20	FORT LYON DS	688.85	228.24
21	XY GRAHAM	218.64	98.19
22	BUFFALO	112.74	37.54
23	SISSON	0.06	0.06
24	STATELINE SOLE SOURCE	426.66	277.34
600	LAWMA A.P.D.	617.44	197.58
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	5125.05	2070.26

Enclosure 1

John Martin Offset Accounting for March 2003

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2273.89							634.80
1	0.00	0.00	0.00	0.00	2.34	2271.55	1	0.00	0.00	0.00	0.00	0.65	634.15
2	0.00	0.00	0.00	0.00	2.33	2269.22	2	0.00	0.00	0.00	0.00	0.65	633.50
3	0.00	0.00	0.00	0.00	2.32	2266.90	3	0.00	0.00	0.00	0.00	0.65	632.85
4	0.00	0.00	0.00	0.00	2.30	2264.60	4	0.00	0.00	0.00	0.00	0.64	632.21
5	0.00	0.00	0.00	0.00	2.29	2262.31	5	0.00	0.00	0.00	0.00	0.64	631.57
6	0.00	0.00	0.00	0.00	2.28	2260.03	6	0.00	0.00	0.00	0.00	0.64	630.93
7	0.00	0.00	0.00	0.00	2.27	2257.76	7	0.00	0.00	0.00	0.00	0.63	630.30
8	0.00	0.00	0.00	0.00	2.26	2255.50	8	0.00	0.00	0.00	0.00	0.63	629.67
9	0.00	0.00	0.00	0.00	2.26	2253.24	9	0.00	0.00	0.00	0.00	0.63	629.04
10	0.00	0.00	0.00	0.00	2.30	2250.94	10	0.00	0.00	0.00	0.00	0.64	628.40
11	0.00	0.00	0.00	0.00	2.29	2248.65	11	0.00	0.00	0.00	0.00	0.64	627.76
12	0.00	0.00	0.00	0.00	2.28	2246.37	12	0.00	0.00	0.00	0.00	0.64	627.12
13	0.00	0.00	0.00	0.00	2.26	2244.11	13	0.00	0.00	0.00	0.00	0.63	626.49
14	0.00	0.00	0.00	0.00	2.25	2241.86	14	0.00	0.00	0.00	0.00	0.63	625.86
15	0.00	0.00	0.00	0.00	2.25	2239.61	15	0.00	0.00	0.00	0.00	0.63	625.23
16	0.00	0.00	0.00	0.00	2.23	2237.38	16	0.00	0.00	0.00	0.00	0.62	624.61
17	0.00	0.00	0.00	0.00	2.22	2235.16	17	0.00	0.00	0.00	0.00	0.62	623.99
18	0.00	0.00	0.00	0.00	2.27	2232.89	18	0.00	0.00	0.00	0.00	0.63	623.36
19	0.00	0.00	0.00	0.00	2.26	2230.63	19	0.00	0.00	0.00	0.00	0.63	622.73
20	0.00	0.00	0.00	0.00	2.25	2228.38	20	0.00	0.00	0.00	0.00	0.63	622.10
21	0.00	0.00	0.00	0.00	2.23	2226.15	21	0.00	0.00	0.00	0.00	0.62	621.48
22	0.00	0.00	0.00	0.00	2.23	2223.92	22	0.00	0.00	0.00	0.00	0.62	620.86
23	0.00	0.00	0.00	0.00	2.22	2221.70	23	0.00	0.00	0.00	0.00	0.62	620.24
24	0.00	0.00	0.00	0.00	2.22	2219.48	24	0.00	0.00	0.00	0.00	0.62	619.62
25	0.00	0.00	0.00	0.00	1.79	2217.69	25	0.00	0.00	0.00	0.00	0.50	619.12
26	0.00	0.00	0.00	0.00	3.25	2214.44	26	0.00	0.00	0.00	0.00	0.91	618.21
27	0.00	0.00	0.00	0.00	2.40	2212.04	27	0.00	0.00	0.00	0.00	0.67	617.54
28	0.00	0.00	0.00	0.00	1.97	2210.07	28	0.00	0.00	0.00	0.00	0.55	616.99
29	0.00	0.00	0.00	0.00	2.07	2208.00	29	0.00	0.00	0.00	0.00	0.58	616.41
30	0.00	0.00	0.00	0.00	2.10	2205.90	30	0.00	0.00	0.00	0.00	0.59	615.82
31	0.00	0.00	53.16	0.00	2.48	2150.26	31	0.00	0.00	8.88	0.00	0.69	606.25
	0.00	0.00	53.16	0.00	70.47			0.00	0.00	8.88	0.00	19.67	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1639.09							0.00
1	0.00	0.00	0.00	0.00	1.69	1637.40	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.68	1635.72	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.67	1634.05	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.66	1632.39	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.65	1630.74	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.64	1629.10	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.64	1627.46	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.63	1625.83	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.63	1624.20	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.66	1622.54	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.65	1620.89	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	1.64	1619.25	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	1.63	1617.62	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	1.62	1616.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.62	1614.38	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	1.61	1612.77	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	1.60	1611.17	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	1.64	1609.53	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.63	1607.90	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.62	1606.28	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	1.61	1604.67	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.61	1603.06	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.60	1601.46	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.60	1599.86	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	1.29	1598.57	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	2.34	1596.23	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.73	1594.50	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	1.42	1593.08	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.49	1591.59	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	1.51	1590.08	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	44.28	0.00	1.79	1544.01	31	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	44.28	0.00	50.80			0.00	0.00	0.00	0.00	0.00	

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

June 18, 2003



<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
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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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for April 2003

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, 2003.

Table 1 shows the amount of pumping during the month of April 2003 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 April. 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 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 that were made during the month.

A delivery of water to the Offset Account was initiated during the month of April 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 1469.28 acre-feet of fully consumable water into the Offset Account during April, 2003. A portion of the Keese consumable water (12 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation as described in the April 23, 2003 letter to you. Additionally, the following delivery was made by LAWMA to the Offset Account during the month of April 2003. At 2400 hours on April 24, 2003, 418 acre-feet of water was transferred to the Offset Account on behalf of LAWMA from the Lamar Article II account. 188.1 acre-feet from this transfer was placed in the Colorado Consumable subaccount of the Offset Account. The remaining 229.9 acre-feet of the transfer was placed in the Stateline Return Flow subaccount (188.1 acre-feet) and the Return Flow Transit Loss subaccount (41.8 acre-feet) of the Offset Account. This operation was described in the May 5, 2003 letter to you.

As indicated in Table 3, 461.59 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 461.59 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 April 30, 2003, there was 10373.39 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.

Mr. David L. Pope and Ms. Jan Anderson
June 18, 2003

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

cc: Kevin Salter Robin Jennison John Draper Monique Morey
Randy Hayzlett Dale Book David A. Brenn Steve Sims
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
April 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	108.22	40.19
2	BOOTH ORCHARD	0.36	0.13
3	EXCELSIOR	105.08	66.87
4	COLLIER	0.00	0.00
5	COLORADO	16.27	5.44
6	ROCKY FORD HIGHLINE	35.53	14.06
7	OXFORD	171.14	163.44
8	OTERO	0.35	0.10
9	CATLIN	269.02	171.04
10	FORT LYON US	108.17	44.81
11	ROCKY FORD	9.23	2.77
12	HOLBROOK	9.72	2.95
13	LAS ANIMAS CONSOLIDATED	11.23	6.16
14	BALDWIN-STUBBS	0.89	0.44
15	FORT BENT	22.30	16.71
16	KEESE	0.00	0.00
17	AMITY	190.73	80.95
18	LAMAR/MANVEL	157.75	50.02
19	HYDE	12.70	3.81
20	FORT LYON DS	173.27	70.45
21	XY GRAHAM	70.66	35.33
22	BUFFALO	7.08	7.08
23	SISSON	38.38	38.38
24	STATELINE SOLE SOURCE	59.22	29.92
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	1577.30	851.05

Enclosure 1

John Martin Offset Accounting for April 2003

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
						8870.30							0.00							6036.35
1	0.00	0.00	0.00	0.00	14.04	8856.26	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	9.56	6026.79
2	61.18	0.00	0.00	0.00	22.69	8894.75	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	15.44	6011.35
3	51.62	0.00	0.00	0.00	18.59	8927.78	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	12.63	5998.72
4	43.93	0.00	0.00	0.00	7.86	8963.85	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	5.33	5993.39
5	38.59	0.00	0.00	0.00	7.85	8994.59	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	5.32	5988.07
6	67.58	0.00	0.00	0.00	7.87	9054.30	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	5.32	5982.75
7	66.42	0.00	0.00	0.00	4.81	9115.91	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	3.24	5979.51
8	66.58	0.00	0.00	0.00	10.96	9171.53	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	7.39	5972.12
9	66.63	0.00	0.00	0.00	10.95	9227.21	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	7.37	5964.75
10	66.55	0.00	0.00	0.00	15.08	9278.68	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	10.12	5954.63
11	61.96	0.00	0.00	0.00	16.22	9324.42	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	10.88	5943.75
12	55.42	0.00	0.00	0.00	16.60	9363.24	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	11.10	5932.65
13	45.43	0.00	0.00	0.00	16.62	9392.05	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	11.10	5921.55
14	39.27	0.00	0.00	0.00	16.20	9415.12	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	10.83	5910.72
15	30.82	0.00	0.00	0.00	8.53	9437.41	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	5.69	5905.03
16	52.24	0.80	0.80	0.00	14.18	9475.47	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	9.45	5895.58
17	48.81	0.80	0.80	0.00	18.60	9505.68	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	12.34	5883.24
18	54.82	0.80	0.80	0.00	8.87	9551.63	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	5.52	5877.72
19	44.35	0.80	0.80	0.00	8.52	9587.46	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	5.28	5872.44
20	46.05	0.80	0.80	0.00	8.42	9625.09	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	5.20	5867.24
21	47.51	0.80	0.80	0.00	23.04	9649.56	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	14.15	5853.09
22	47.19	0.80	0.80	0.00	13.11	9683.64	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	8.02	5845.07
23	47.24	0.80	0.80	0.00	15.08	9715.80	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	9.17	5835.90
24	47.28	418.80	0.80	0.00	10.63	10170.45	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	6.44	5829.46
25	47.60	0.80	0.80	0.00	13.17	10204.88	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	7.61	5821.85
26	47.60	0.80	0.80	0.00	13.76	10238.72	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	7.92	5813.93
27	47.60	0.80	0.80	0.00	13.35	10272.97	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	7.65	5806.28
28	47.01	0.80	0.80	0.00	4.48	10315.50	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	2.56	5803.72
29	47.06	0.80	0.80	0.00	21.25	10341.31	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	12.05	5791.67
30	46.94	199.19	199.19	0.00	14.86	10373.39	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	198.39	0.00	0.00	8.39	5981.67
	1481.28	628.39	210.39	0.00	396.19			0.00	0.00	0.00	0.00	0.00			0.00	198.39	0.00	0.00	253.07	

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
						6720.04							27.82							655.87
1	0.00	0.00	0.00	0.00	10.64	6709.40	1	0.00	0.00	0.00	0.00	0.04	27.78	1	0.00	0.00	0.00	0.00	1.04	654.83
2	61.18	0.00	0.00	0.00	17.19	6753.39	2	61.18	0.00	0.00	0.00	0.07	88.89	2	0.00	0.00	0.00	0.00	1.68	653.15
3	51.62	0.00	0.00	0.00	14.09	6790.92	3	51.62	0.00	0.00	0.00	0.09	140.42	3	0.00	0.00	0.00	0.00	1.37	651.78
4	43.93	0.00	0.00	0.00	5.96	6828.89	4	43.93	0.00	0.00	0.00	0.05	184.30	4	0.00	0.00	0.00	0.00	0.58	651.20
5	38.59	0.00	0.00	0.00	5.96	6861.52	5	38.59	0.00	0.00	0.00	0.06	222.83	5	0.00	0.00	0.00	0.00	0.58	650.62
6	67.58	0.00	0.00	0.00	5.98	6923.12	6	67.58	0.00	0.00	0.00	0.08	290.33	6	0.00	0.00	0.00	0.00	0.58	650.04
7	66.42	0.00	0.00	0.00	3.65	6985.89	7	66.42	0.00	0.00	0.00	0.06	356.69	7	0.00	0.00	0.00	0.00	0.35	649.69
8	66.58	0.00	0.00	0.00	8.33	7044.14	8	66.58	0.00	0.00	0.00	0.14	423.13	8	0.00	0.00	0.00	0.00	0.80	648.89
9	66.63	0.00	0.00	0.00	8.33	7102.44	9	66.63	0.00	0.00	0.00	0.16	489.60	9	0.00	0.00	0.00	0.00	0.80	648.09
10	66.55	0.00	0.00	0.00	11.47	7157.52	10	66.55	0.00	0.00	0.00	0.25	555.90	10	0.00	0.00	0.00	0.00	1.10	646.99
11	61.96	0.00	0.00	0.00	12.35	7207.13	11	61.96	0.00	0.00	0.00	0.29	617.57	11	0.00	0.00	0.00	0.00	1.18	645.81
12	55.42	0.00	0.00	0.00	12.64	7249.91	12	55.42	0.00	0.00	0.00	0.33	672.66	12	0.00	0.00	0.00	0.00	1.21	644.60
13	45.43	0.00	0.00	0.00	12.67	7282.67	13	45.43	0.00	0.00	0.00	0.36	717.73	13	0.00	0.00	0.00	0.00	1.21	643.39
14	39.27	0.00	0.00	0.00	12.35	7309.59	14	39.27	0.00	0.00	0.00	0.35	756.65	14	0.00	0.00	0.00	0.00	1.17	642.22
15	30.82	0.00	0.00	0.00	6.51	7333.90	15	30.82	0.00	0.00	0.00	0.20	787.27	15	0.00	0.00	0.00	0.00	0.62	641.60
16	52.24	0.00	0.80	0.00	10.82	7374.52	16	52.24	0.00	0.80	0.00	0.35	838.36	16	0.00	0.00	0.00	0.00	1.02	640.58
17	48.81	0.00	0.80	0.00	14.21	7408.32	17	48.81	0.00	0.80	0.00	0.53	885.84	17	0.00	0.00	0.00	0.00	1.34	639.24
18	54.82	0.00	0.80	0.00	6.91	7455.43	18	54.82	0.00	0.80	0.00	0.79	939.07	18	0.00	0.00	0.00	0.00	0.60	638.64
19	44.35	0.00	0.80	0.00	6.65	7492.33	19	44.35	0.00	0.80	0.00	0.80	981.82	19	0.00	0.00	0.00	0.00	0.57	638.07
20	46.05	0.00	0.80	0.00	6.58	7531.00	20	46.05	0.00	0.80	0.00	0.82	1026.25	20	0.00	0.00	0.00	0.00	0.56	637.51
21	47.51	0.00	0.80	0.00	18.03	7559.68	21	47.51	0.00	0.80	0.00	2.35	1070.61	21	0.00	0.00	0.00	0.00	1.53	635.98
22	47.19	0.00	0.80	0.00	10.27	7595.80	22	47.19	0.00	0.80	0.00	1.39	1115.61	22	0.00	0.00	0.00	0.00	0.86	635.12
23	47.24	0.00	0.80	0.00	11.83	7630.41	23	47.24	0.00	0.80	0.00	1.67	1160.38	23	0.00	0.00	0.00	0.00	0.99	634.13
24	47.28	188.10	0.80	0.00	8.35	7856.64	24	47.28	188.10	0.80	0.00	1.22	1393.74	24	0.00	0.00	0.00	0.00	0.69	633.44
25	47.60	0.00	0.80	0.00	10.18	7893.26	25	47.60	0.00	0.80	0.00	1.75	1438.79	25	0.00	0.00	0.00	0.00	0.82	632.62
26	47.60	0.00	0.80	0.00	10.65	7929.41	26	47.60	0.00	0.80	0.00	1.88	1483.71	26	0.00	0.00	0.00	0.00	0.85	631.77
27	47.60	0.00	0.80	0.00	10.34	7965.87	27	47.60	0.00	0.80	0.00	1.87	1528.64	27	0.00	0.00	0.00	0.00	0.82	630.95
28	47.01	0.00	0.80	0.00	3.48	8008.60	28	47.01	0.00	0.80	0.00	0.65	1574.20	28	0.00	0.00	0.00	0.00	0.2	

OffsetAccount-ReturnFlow Totals						OffsetAccount-ReturnFlow RF Transit Loss							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2150.26							606.25
1	0.00	0.00	0.00	0.00	3.40	2146.86	1	0.00	0.00	0.00	0.00	0.96	605.29
2	0.00	0.00	0.00	0.00	5.50	2141.36	2	0.00	0.00	0.00	0.00	1.55	603.74
3	0.00	0.00	0.00	0.00	4.50	2136.86	3	0.00	0.00	0.00	0.00	1.27	602.47
4	0.00	0.00	0.00	0.00	1.90	2134.96	4	0.00	0.00	0.00	0.00	0.54	601.93
5	0.00	0.00	0.00	0.00	1.89	2133.07	5	0.00	0.00	0.00	0.00	0.53	601.40
6	0.00	0.00	0.00	0.00	1.89	2131.18	6	0.00	0.00	0.00	0.00	0.53	600.87
7	0.00	0.00	0.00	0.00	1.16	2130.02	7	0.00	0.00	0.00	0.00	0.33	600.54
8	0.00	0.00	0.00	0.00	2.63	2127.39	8	0.00	0.00	0.00	0.00	0.74	599.80
9	0.00	0.00	0.00	0.00	2.62	2124.77	9	0.00	0.00	0.00	0.00	0.74	599.06
10	0.00	0.00	0.00	0.00	3.61	2121.16	10	0.00	0.00	0.00	0.00	1.02	598.04
11	0.00	0.00	0.00	0.00	3.87	2117.29	11	0.00	0.00	0.00	0.00	1.09	596.95
12	0.00	0.00	0.00	0.00	3.96	2113.33	12	0.00	0.00	0.00	0.00	1.12	595.83
13	0.00	0.00	0.00	0.00	3.95	2109.38	13	0.00	0.00	0.00	0.00	1.11	594.72
14	0.00	0.00	0.00	0.00	3.85	2105.53	14	0.00	0.00	0.00	0.00	1.09	593.63
15	0.00	0.00	0.00	0.00	2.02	2103.51	15	0.00	0.00	0.00	0.00	0.57	593.06
16	0.00	0.80	0.00	0.00	3.36	2100.95	16	0.00	0.00	0.00	0.00	0.95	592.11
17	0.00	0.80	0.00	0.00	4.39	2097.36	17	0.00	0.00	0.00	0.00	1.24	590.87
18	0.00	0.80	0.00	0.00	1.96	2096.20	18	0.00	0.00	0.00	0.00	0.55	590.32
19	0.00	0.80	0.00	0.00	1.87	2095.13	19	0.00	0.00	0.00	0.00	0.53	589.79
20	0.00	0.80	0.00	0.00	1.84	2094.09	20	0.00	0.00	0.00	0.00	0.52	589.27
21	0.00	0.80	0.00	0.00	5.01	2089.88	21	0.00	0.00	0.00	0.00	1.41	587.86
22	0.00	0.80	0.00	0.00	2.84	2087.84	22	0.00	0.00	0.00	0.00	0.80	587.06
23	0.00	0.80	0.00	0.00	3.25	2085.39	23	0.00	0.00	0.00	0.00	0.91	586.15
24	0.00	230.70	0.00	0.00	2.28	2313.81	24	0.00	41.80	0.00	0.00	0.64	627.31
25	0.00	0.80	0.00	0.00	2.99	2311.62	25	0.00	0.00	0.00	0.00	0.81	626.50
26	0.00	0.80	0.00	0.00	3.11	2309.31	26	0.00	0.00	0.00	0.00	0.84	625.66
27	0.00	0.80	0.00	0.00	3.01	2307.10	27	0.00	0.00	0.00	0.00	0.82	624.84
28	0.00	0.80	0.00	0.00	1.00	2306.90	28	0.00	0.00	0.00	0.00	0.27	624.57
29	0.00	0.80	0.00	0.00	4.75	2302.95	29	0.00	0.00	0.00	0.00	1.29	623.28
30	0.00	0.80	198.39	0.00	3.31	2102.05	30	0.00	0.00	33.86	0.00	0.89	588.53
	0.00	241.90	198.39	0.00	91.72			0.00	41.80	33.86	0.00	25.66	

OffsetAccount-ReturnFlow Return Flow						OffsetAccount-ReturnFlow Keese Winter							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1544.01							0.00
1	0.00	0.00	0.00	0.00	2.44	1541.57	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	3.95	1537.62	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.23	1534.39	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.36	1533.03	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.36	1531.67	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.36	1530.31	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.83	1529.48	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.89	1527.59	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.88	1525.71	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.59	1523.12	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.78	1520.34	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.84	1517.50	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	2.84	1514.66	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.76	1511.90	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	1.45	1510.45	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	2.41	1508.04	16	0.00	0.80	0.00	0.00	0.00	0.80
17	0.00	0.00	0.00	0.00	3.15	1504.89	17	0.00	0.80	0.00	0.00	0.00	1.60
18	0.00	0.00	0.00	0.00	1.41	1503.48	18	0.00	0.80	0.00	0.00	0.00	2.40
19	0.00	0.00	0.00	0.00	1.34	1502.14	19	0.00	0.80	0.00	0.00	0.00	3.20
20	0.00	0.00	0.00	0.00	1.32	1500.82	20	0.00	0.80	0.00	0.00	0.00	4.00
21	0.00	0.00	0.00	0.00	3.59	1497.23	21	0.00	0.80	0.00	0.00	0.01	4.79
22	0.00	0.00	0.00	0.00	2.03	1495.20	22	0.00	0.80	0.00	0.00	0.01	5.58
23	0.00	0.00	0.00	0.00	2.33	1492.87	23	0.00	0.80	0.00	0.00	0.01	6.37
24	0.00	188.10	0.00	0.00	1.63	1679.34	24	0.00	0.80	0.00	0.00	0.01	7.16
25	0.00	0.00	0.00	0.00	2.17	1677.17	25	0.00	0.80	0.00	0.00	0.01	7.95
26	0.00	0.00	0.00	0.00	2.26	1674.91	26	0.00	0.80	0.00	0.00	0.01	8.74
27	0.00	0.00	0.00	0.00	2.18	1672.73	27	0.00	0.80	0.00	0.00	0.01	9.53
28	0.00	0.00	0.00	0.00	0.73	1672.00	28	0.00	0.80	0.00	0.00	0.00	10.33
29	0.00	0.00	0.00	0.00	3.44	1668.56	29	0.00	0.80	0.00	0.00	0.02	11.11
30	0.00	0.00	164.53	0.00	2.40	1501.63	30	0.00	0.80	0.00	0.00	0.02	11.89
	0.00	188.10	164.53	0.00	65.95			0.00	12.00	0.00	0.00	0.11	

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

July 18, 2003



<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, 112 West Elm Street

Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for May 2003

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, 2003.

Table 1 shows the amount of pumping during the month of May 2003 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 May. 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 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of May 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 831.46 acre-feet of fully consumable water into the Offset Account during May, 2003. A portion of the Keese consumable water (19.45 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation.

As indicated in Table 3, 486.93 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 486.93 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 May 31, 2003, there was 10666.68 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Steve Sims
	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
May 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	306.75	137.25
2	BOOTH ORCHARD	1.27	0.74
3	EXCELSIOR	121.54	68.74
4	COLLIER	16.89	8.45
5	COLORADO	17.72	6.24
6	ROCKY FORD HIGHLINE	190.37	65.65
7	OXFORD	131.22	43.59
8	OTERO	22.01	6.62
9	CATLIN	723.26	291.19
10	FORT LYON US	675.63	240.12
11	ROCKY FORD	12.39	3.89
12	HOLBROOK	309.32	96.17
13	LAS ANIMAS CONSOLIDATED	85.76	39.78
14	BALDWIN-STUBBS	73.93	36.96
15	FORT BENT	216.44	94.38
16	KEESE	101.81	68.98
17	AMITY	730.26	385.33
18	LAMAR/MANVEL	130.43	57.48
19	HYDE	85.89	25.77
20	FORT LYON DS	467.87	160.76
21	XY GRAHAM	0.00	0.00
22	BUFFALO	20.16	10.20
23	SISSON	50.43	50.43
24	STATELINE SOLE SOURCE	617.98	417.85
600	LAWMA A.P.D.	71.10	22.75
601	LAWMA A.P.D.	25.32	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	5205.75	2339.32

Enclosure 1

John Martin Offset Accounting for May 2003

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
						10373.39							0.00							5981.67
1	45.91	0.77	0.77	0.00	19.51	10399.79	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	11.31	5970.36
2	48.20	0.77	0.77	0.00	16.37	10431.62	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	9.40	5960.96
3	50.49	0.77	0.77	0.00	16.48	10465.63	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	9.41	5951.55
4	45.01	0.77	0.77	0.00	16.08	10494.56	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	9.14	5942.41
5	42.38	0.77	0.77	0.00	15.67	10521.27	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	8.88	5933.53
6	38.14	0.77	0.77	0.00	16.65	10542.76	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	9.39	5924.14
7	24.58	0.51	0.51	0.00	15.64	10551.70	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	8.81	5915.33
8	30.56	0.51	0.51	0.00	30.67	10551.59	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	17.18	5898.15
9	28.21	0.51	0.51	0.00	16.99	10562.81	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	9.50	5888.65
10	26.01	0.51	0.51	0.00	16.98	10571.84	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	9.47	5879.18
11	24.27	0.51	0.51	0.00	17.54	10578.57	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	9.76	5869.42
12	23.38	0.51	0.51	0.00	19.58	10582.37	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	10.87	5858.55
13	23.15	0.51	0.51	0.00	20.20	10585.32	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	11.18	5847.37
14	22.16	0.51	0.51	0.00	18.13	10589.35	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	10.03	5837.34
15	21.14	0.51	0.51	0.00	27.04	10583.45	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	14.90	5822.44
16	25.34	0.71	0.71	0.00	15.32	10593.47	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	8.44	5814.00
17	28.36	0.51	0.51	0.00	15.27	10606.56	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	8.39	5805.61
18	20.26	0.51	0.51	0.00	15.96	10610.86	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	8.74	5796.87
19	18.13	0.51	0.51	0.00	16.29	10612.70	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	8.89	5787.98
20	16.91	0.51	0.51	0.00	16.01	10613.60	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	8.74	5779.24
21	15.90	0.51	0.51	0.00	16.98	10612.52	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	9.25	5769.99
22	13.69	0.51	0.51	0.00	20.53	10605.68	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	11.16	5758.83
23	13.73	0.51	0.51	0.00	17.98	10601.43	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	9.76	5749.07
24	13.85	0.51	0.51	0.00	18.00	10597.28	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	9.76	5739.31
25	21.57	0.77	0.77	0.00	17.68	10601.17	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	9.57	5729.74
26	47.03	0.77	0.77	0.00	17.72	10630.48	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	9.58	5720.16
27	43.84	0.77	0.77	0.00	20.37	10653.95	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	10.97	5709.19
28	31.58	0.77	0.77	0.00	20.70	10664.83	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	11.10	5698.09
29	34.51	0.77	0.77	0.00	31.63	10667.71	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	16.90	5681.19
30	32.41	0.77	0.77	0.00	10.33	10689.79	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	5.50	5675.69
31	27.00	245.55	245.55	39.58	10.53	10666.68	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	243.74	0.00	0.00	5.59	5913.84
897.70 264.17 264.17 39.58 564.83							0.00 0.00 0.00 0.00 0.00						0.00 243.74 0.00 0.00 311.57							
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
						8271.34							1661.19							628.48
1	45.91	0.00	0.77	0.00	15.53	8300.95	1	45.91	0.00	0.77	0.00	3.04	1703.29	1	0.00	0.00	0.00	0.00	1.18	627.30
2	48.20	0.00	0.77	0.00	13.07	8335.31	2	48.20	0.00	0.77	0.00	2.68	1748.04	2	0.00	0.00	0.00	0.00	0.99	626.31
3	50.49	0.00	0.77	0.00	13.16	8371.87	3	50.49	0.00	0.77	0.00	2.76	1795.00	3	0.00	0.00	0.00	0.00	0.99	625.32
4	45.01	0.00	0.77	0.00	12.86	8403.25	4	45.01	0.00	0.77	0.00	2.76	1836.48	4	0.00	0.00	0.00	0.00	0.96	624.36
5	42.38	0.00	0.77	0.00	12.55	8432.31	5	42.38	0.00	0.77	0.00	2.74	1875.35	5	0.00	0.00	0.00	0.00	0.93	623.43
6	38.14	0.00	0.77	0.00	13.35	8456.33	6	38.14	0.00	0.77	0.00	2.97	1909.75	6	0.00	0.00	0.00	0.00	0.99	622.44
7	24.58	0.00	0.51	0.00	12.56	8467.84	7	24.58	0.00	0.51	0.00	2.83	1930.99	7	0.00	0.00	0.00	0.00	0.92	621.52
8	30.56	0.00	0.51	0.00	24.61	8473.28	8	30.56	0.00	0.51	0.00	5.62	1955.42	8	0.00	0.00	0.00	0.00	1.81	619.71
9	28.21	0.00	0.51	0.00	13.65	8487.33	9	28.21	0.00	0.51	0.00	3.15	1979.97	9	0.00	0.00	0.00	0.00	1.00	618.71
10	26.01	0.00	0.51	0.00	13.64	8499.19	10	26.01	0.00	0.51	0.00	3.18	2002.29	10	0.00	0.00	0.00	0.00	0.99	617.72
11	24.27	0.00	0.51	0.00	14.10	8508.85	11	24.27	0.00	0.51	0.00	3.32	2022.73	11	0.00	0.00	0.00	0.00	1.02	616.70
12	23.38	0.00	0.51	0.00	15.75	8515.97	12	23.38	0.00	0.51	0.00	3.74	2041.86	12	0.00	0.00	0.00	0.00	1.14	615.56
13	23.15	0.00	0.51	0.00	16.25	8522.36	13	23.15	0.00	0.51	0.00	3.90	2060.60	13	0.00	0.00	0.00	0.00	1.17	614.39
14	22.16	0.00	0.51	0.00	14.61	8529.40	14	22.16	0.00	0.51	0.00	3.53	2078.72	14	0.00	0.00	0.00	0.00	1.05	613.34
15	21.14	0.00	0.51	0.00	21.78	8528.25	15	21.14	0.00	0.51	0.00	5.31	2094.04	15	0.00	0.00	0.00	0.00	1.57	611.77
16	25.34	0.00	0.71	0.00	12.35	8540.53	16	25.34	0.00	0.71	0.00	3.03	2115.64	16	0.00	0.00	0.00	0.00	0.88	610.89
17	28.36	0.00	0.51	0.00	12.32	8556.06	17	28.36	0.00	0.51	0.00	3.05	2140.44	17	0.00	0.00	0.00	0.00	0.88	610.01
18	20.26	0.00	0.51	0.00	12.88	8562.93	18	20.26	0.00	0.51	0.00	3.22	2156.97	18	0.00	0.00	0.00	0.00	0.92	609.09
19	18.13	0.00	0.51	0.00	13.14	8567.41	19	18.13	0.00	0.51	0.00	3.31	2171.28	19	0.00	0.00	0.00	0.00	0.94	608.15
20	16.91	0.00	0.51	0.00	12.93	8570.88	20	16.91	0.00	0.51	0.00	3.27	2184.41	20	0.00	0.00	0.00	0.00	0.92	607.23
21	15.90	0.00	0.51	0.00	13.71	8572.56	21	15.90	0.00	0.51	0.00	3.49	2196.31	21	0.00	0.00	0.00	0.00	0.97	606.2

OffsetAccount-ReturnFlow Totals							OffsetAccount-ReturnFlow RF Transit Loss						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2102.05							588.53
1	0.00	0.77	0.00	0.00	3.98	2098.84	1	0.00	0.00	0.00	0.00	1.11	587.42
2	0.00	0.77	0.00	0.00	3.30	2096.31	2	0.00	0.00	0.00	0.00	0.92	586.50
3	0.00	0.77	0.00	0.00	3.32	2093.76	3	0.00	0.00	0.00	0.00	0.93	585.57
4	0.00	0.77	0.00	0.00	3.22	2091.31	4	0.00	0.00	0.00	0.00	0.90	584.67
5	0.00	0.77	0.00	0.00	3.12	2088.96	5	0.00	0.00	0.00	0.00	0.87	583.80
6	0.00	0.77	0.00	0.00	3.30	2086.43	6	0.00	0.00	0.00	0.00	0.92	582.88
7	0.00	0.51	0.00	0.00	3.08	2083.86	7	0.00	0.00	0.00	0.00	0.86	582.02
8	0.00	0.51	0.00	0.00	6.06	2078.31	8	0.00	0.00	0.00	0.00	1.69	580.33
9	0.00	0.51	0.00	0.00	3.34	2075.48	9	0.00	0.00	0.00	0.00	0.93	579.40
10	0.00	0.51	0.00	0.00	3.34	2072.65	10	0.00	0.00	0.00	0.00	0.93	578.47
11	0.00	0.51	0.00	0.00	3.44	2069.72	11	0.00	0.00	0.00	0.00	0.96	577.51
12	0.00	0.51	0.00	0.00	3.83	2066.40	12	0.00	0.00	0.00	0.00	1.07	576.44
13	0.00	0.51	0.00	0.00	3.95	2062.96	13	0.00	0.00	0.00	0.00	1.10	575.34
14	0.00	0.51	0.00	0.00	3.52	2059.95	14	0.00	0.00	0.00	0.00	0.98	574.36
15	0.00	0.51	0.00	0.00	5.26	2055.20	15	0.00	0.00	0.00	0.00	1.47	572.89
16	0.00	0.71	0.00	0.00	2.97	2052.94	16	0.00	0.00	0.00	0.00	0.83	572.06
17	0.00	0.51	0.00	0.00	2.95	2050.50	17	0.00	0.00	0.00	0.00	0.82	571.24
18	0.00	0.51	0.00	0.00	3.08	2047.93	18	0.00	0.00	0.00	0.00	0.86	570.38
19	0.00	0.51	0.00	0.00	3.15	2045.29	19	0.00	0.00	0.00	0.00	0.88	569.50
20	0.00	0.51	0.00	0.00	3.08	2042.72	20	0.00	0.00	0.00	0.00	0.86	568.64
21	0.00	0.51	0.00	0.00	3.27	2039.96	21	0.00	0.00	0.00	0.00	0.91	567.73
22	0.00	0.51	0.00	0.00	3.95	2036.52	22	0.00	0.00	0.00	0.00	1.10	566.63
23	0.00	0.51	0.00	0.00	3.45	2033.58	23	0.00	0.00	0.00	0.00	0.96	565.67
24	0.00	0.51	0.00	0.00	3.45	2030.64	24	0.00	0.00	0.00	0.00	0.96	564.71
25	0.00	0.77	0.00	0.00	3.39	2028.02	25	0.00	0.00	0.00	0.00	0.94	563.77
26	0.00	0.77	0.00	0.00	3.38	2025.41	26	0.00	0.00	0.00	0.00	0.94	562.83
27	0.00	0.77	0.00	0.00	3.88	2022.30	27	0.00	0.00	0.00	0.00	1.08	561.75
28	0.00	0.77	0.00	0.00	3.92	2019.15	28	0.00	0.00	0.00	0.00	1.09	560.66
29	0.00	0.77	0.00	0.00	5.98	2013.94	29	0.00	0.00	0.00	0.00	1.66	559.00
30	0.00	0.77	0.00	0.00	1.95	2012.76	30	0.00	0.00	0.00	0.00	0.54	558.46
31	0.00	1.81	243.74	0.00	1.98	1768.85	31	0.00	0.00	41.39	0.00	0.55	516.52
	0.00	20.43	243.74	0.00	109.89			0.00	0.00	41.39	0.00	30.62	

OffsetAccount-ReturnFlow
Return FlowOffsetAccount-ReturnFlow
Keesee Winter

Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1501.63							11.89
1	0.00	0.00	0.00	0.00	2.85	1498.78	1	0.00	0.77	0.00	0.00	0.02	12.64
2	0.00	0.00	0.00	0.00	2.36	1496.42	2	0.00	0.77	0.00	0.00	0.02	13.39
3	0.00	0.00	0.00	0.00	2.37	1494.05	3	0.00	0.77	0.00	0.00	0.02	14.14
4	0.00	0.00	0.00	0.00	2.30	1491.75	4	0.00	0.77	0.00	0.00	0.02	14.89
5	0.00	0.00	0.00	0.00	2.23	1489.52	5	0.00	0.77	0.00	0.00	0.02	15.64
6	0.00	0.00	0.00	0.00	2.36	1487.16	6	0.00	0.77	0.00	0.00	0.02	16.39
7	0.00	0.00	0.00	0.00	2.20	1484.96	7	0.00	0.51	0.00	0.00	0.02	16.88
8	0.00	0.00	0.00	0.00	4.32	1480.64	8	0.00	0.51	0.00	0.00	0.05	17.34
9	0.00	0.00	0.00	0.00	2.38	1478.26	9	0.00	0.51	0.00	0.00	0.03	17.82
10	0.00	0.00	0.00	0.00	2.38	1475.88	10	0.00	0.51	0.00	0.00	0.03	18.30
11	0.00	0.00	0.00	0.00	2.45	1473.43	11	0.00	0.51	0.00	0.00	0.03	18.78
12	0.00	0.00	0.00	0.00	2.73	1470.70	12	0.00	0.51	0.00	0.00	0.03	19.26
13	0.00	0.00	0.00	0.00	2.81	1467.89	13	0.00	0.51	0.00	0.00	0.04	19.73
14	0.00	0.00	0.00	0.00	2.51	1465.38	14	0.00	0.51	0.00	0.00	0.03	20.21
15	0.00	0.00	0.00	0.00	3.74	1461.64	15	0.00	0.51	0.00	0.00	0.05	20.67
16	0.00	0.00	0.00	0.00	2.11	1459.53	16	0.00	0.71	0.00	0.00	0.03	21.35
17	0.00	0.00	0.00	0.00	2.10	1457.43	17	0.00	0.51	0.00	0.00	0.03	21.83
18	0.00	0.00	0.00	0.00	2.19	1455.24	18	0.00	0.51	0.00	0.00	0.03	22.31
19	0.00	0.00	0.00	0.00	2.24	1453.00	19	0.00	0.51	0.00	0.00	0.03	22.79
20	0.00	0.00	0.00	0.00	2.19	1450.81	20	0.00	0.51	0.00	0.00	0.03	23.27
21	0.00	0.00	0.00	0.00	2.32	1448.49	21	0.00	0.51	0.00	0.00	0.04	23.74
22	0.00	0.00	0.00	0.00	2.80	1445.69	22	0.00	0.51	0.00	0.00	0.05	24.20
23	0.00	0.00	0.00	0.00	2.45	1443.24	23	0.00	0.51	0.00	0.00	0.04	24.67
24	0.00	0.00	0.00	0.00	2.45	1440.79	24	0.00	0.51	0.00	0.00	0.04	25.14
25	0.00	0.00	0.00	0.00	2.41	1438.38	25	0.00	0.77	0.00	0.00	0.04	25.87
26	0.00	0.00	0.00	0.00	2.40	1435.98	26	0.00	0.77	0.00	0.00	0.04	26.60
27	0.00	0.00	0.00	0.00	2.75	1433.23	27	0.00	0.77	0.00	0.00	0.05	27.32
28	0.00	0.00	0.00	0.00	2.78	1430.45	28	0.00	0.77	0.00	0.00	0.05	28.04
29	0.00	0.00	0.00	0.00	4.24	1426.21	29	0.00	0.77	0.00	0.00	0.08	28.73
30	0.00	0.00	0.00	0.00	1.38	1424.83	30	0.00	0.77	0.00	0.00	0.03	29.47
31	0.00	0.00	202.35	0.00	1.40	1221.08	31	0.00	1.81	0.00	0.00	0.03	31.25
	0.00	0.00	202.35	0.00	78.20			0.00	20.43	0.00	0.00	1.07	

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

August 25, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for June 2003 and Revisions to the Monthly Report for May 2003

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, 2003.

Table 1 shows the amount of pumping during the month of June 2003 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 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. 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of June 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 1275.97 acre-feet of fully consumable water into the Offset Account during June 2003. A portion of the Keese consumable water (26.55 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation. At 2400 hours on June 4, 2003, 769.78 acre-feet of water was transferred to the Offset Account on behalf of LAWMA from the X-Y, Stubbs and Keese Article II accounts. 465.02 acre-feet from this transfer was placed in the Colorado Consumable subaccount of the Offset Account. The remaining 304.76 acre-feet of the transfer was placed in the Stateline Return Flow subaccount (244.1 acre-feet) and the Return Flow Transit Loss subaccount (60.66 acre-feet) of the Offset Account. At 2400 hours on June 13, 2003, 4.17 acre-feet of water was transferred to the Offset Account from LAWMA's X-Y, Stubbs and Keese Article II accounts. 2.52 acre-feet from this transfer was placed in the Colorado Consumable subaccount of the Offset Account. The remaining 1.65 acre-feet of the transfer was placed in the Stateline Return Flow subaccount (1.32 acre-feet) and the Return Flow Transit Loss subaccount (0.33 acre-feet) of the Offset Account.

A revised accounting Table 3 for May 2003 is included at Enclosure 2. As you can see from the revised Table 3 for May, LAWMA elected to carry forward a deficit of 482.7 acre-feet from May into June. This deficit was fully replaced in June 2003. My July 18, 2003 letter concerning the Offset Account operations for May 2003 is revised to retract the 486.93 acre-feet of fully consumable water made available to Kansas. No subsequent transfer was made on August 17, 2003 to the Kansas Consumable subaccount and LAWMA remains responsible for the evaporation associated with the 486.93 acre-feet of fully consumable water.

Mr. David L. Pope and Ms. Jan Anderson
August 25, 2003

Page 3

As of June 30, 2003, there was 11944.22 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: Kevin Salter Robin Jennison John Draper Monique Morey
Randy Hayzlett Dale Book David A. Brenn Steve Sims
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 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	399.89	200.31
2	BOOTH ORCHARD	4.84	3.36
3	EXCELSIOR	178.58	106.30
4	COLLIER	37.97	18.99
5	COLORADO	38.15	17.68
6	ROCKY FORD HIGHLINE	153.07	56.76
7	OXFORD	77.66	54.63
8	OTERO	32.76	9.95
9	CATLIN	632.82	360.62
10	FORT LYON US	363.27	155.29
11	ROCKY FORD	18.96	6.40
12	HOLBROOK	249.21	75.22
13	LAS ANIMAS CONSOLIDATED	157.44	73.50
14	BALDWIN-STUBBS	49.63	24.82
15	FORT BENT	102.48	34.24
16	KEESE	0.00	0.00
17	AMITY	316.73	160.74
18	LAMAR/MANVEL	133.94	48.16
19	HYDE	37.58	11.27
20	FORT LYON DS	76.51	23.26
21	XY GRAHAM	10.77	5.39
22	BUFFALO	24.32	13.79
23	SISSON	24.07	24.07
24	STATELINE SOLE SOURCE	120.83	83.14
600	LAWMA A.P.D.	28.13	9.00
601	LAWMA A.P.D.	11.72	3.52
602	LAWMA A.P.D.	0.00	0.00
	Totals	3281.33	1580.41

Enclosure 1

John Martin Offset Accounting for June 2003

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
						10666.68							0.00							5913.84
1	24.70	0.79	0.79	0.00	11.44	10679.94	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	6.34	5907.50
2	31.43	0.79	0.79	0.00	28.88	10682.49	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	15.96	5891.54
3	28.77	0.79	0.79	0.00	11.93	10699.33	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	6.57	5884.97
4	34.49	770.57	0.79	0.00	11.23	11492.37	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	6.18	5878.79
5	31.24	0.79	0.79	0.00	3.62	11519.99	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	1.85	5876.94
6	37.94	0.79	0.79	0.00	21.31	11536.62	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	10.87	5866.07
7	37.48	0.79	0.79	0.00	21.75	11552.35	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	11.06	5855.01
8	49.65	0.79	0.79	0.00	22.10	11579.90	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	11.20	5843.81
9	49.87	0.79	0.79	0.00	22.17	11607.60	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	11.19	5832.62
10	49.59	0.79	0.79	0.00	21.02	11636.17	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	10.56	5822.06
11	49.69	0.79	0.79	0.00	25.59	11660.27	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	12.82	5809.24
12	49.51	0.79	0.79	0.00	27.68	11682.10	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	13.79	5795.45
13	49.64	4.96	0.79	0.00	26.55	11709.36	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	13.16	5782.29
14	49.32	0.79	0.79	0.00	26.63	11732.05	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	13.17	5769.12
15	49.04	0.79	0.79	0.00	27.52	11753.57	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	13.54	5755.58
16	49.22	0.79	0.79	0.00	25.52	11777.27	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	12.50	5743.08
17	48.26	0.79	0.79	0.00	23.11	11802.42	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	11.28	5731.80
18	39.13	0.79	0.79	0.00	12.01	11829.54	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	5.84	5725.96
19	46.76	0.79	0.79	0.00	14.92	11861.38	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	7.21	5718.75
20	49.62	0.79	0.79	0.00	34.07	11876.93	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	16.44	5702.31
21	49.22	0.79	0.79	0.00	34.16	11891.99	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	16.41	5685.90
22	49.33	0.79	0.79	0.00	34.24	11907.08	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	16.38	5669.52
23	45.36	0.79	0.79	0.00	44.78	11907.66	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	21.33	5648.19
24	49.15	0.79	0.79	0.00	51.59	11905.22	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	24.48	5623.71
25	41.74	0.79	0.79	0.00	31.09	11915.87	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	14.67	5609.04
26	37.00	0.79	0.79	0.00	24.44	11928.43	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	11.50	5597.54
27	37.63	0.79	0.79	0.00	32.94	11933.12	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	15.45	5582.09
28	32.77	0.79	0.79	0.00	32.59	11933.30	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	15.24	5566.85
29	29.15	0.79	0.79	0.00	32.65	11929.80	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	15.23	5551.62
30	49.27	2099.46	2099.46	0.00	34.85	11944.22	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	2095.82	0.00	0.00	16.22	7631.22
	1275.97	2896.32	2122.37	0.00	772.38			0.00	0.00	0.00	0.00	0.00			0.00	2095.82	0.00	0.00	378.44	
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
						8897.83							2388.25							595.74
1	24.70	0.00	0.79	0.00	9.55	8912.19	1	24.70	0.00	0.79	0.00	2.57	2409.59	1	0.00	0.00	0.00	0.00	0.64	595.10
2	31.43	0.00	0.79	0.00	24.09	8918.74	2	31.43	0.00	0.79	0.00	6.52	2433.71	2	0.00	0.00	0.00	0.00	1.61	593.49
3	28.77	0.00	0.79	0.00	9.95	8936.77	3	28.77	0.00	0.79	0.00	2.72	2458.97	3	0.00	0.00	0.00	0.00	0.66	592.83
4	34.49	465.02	0.79	0.00	9.38	9426.11	4	34.49	465.02	0.79	0.00	2.58	2955.11	4	0.00	0.00	0.00	0.00	0.62	592.21
5	31.24	0.00	0.79	0.00	2.97	9453.59	5	31.24	0.00	0.79	0.00	0.93	2984.63	5	0.00	0.00	0.00	0.00	0.19	592.02
6	37.94	0.00	0.79	0.00	17.49	9473.25	6	37.94	0.00	0.79	0.00	5.52	3016.26	6	0.00	0.00	0.00	0.00	1.10	590.92
7	37.48	0.00	0.79	0.00	17.86	9492.08	7	37.48	0.00	0.79	0.00	5.69	3047.26	7	0.00	0.00	0.00	0.00	1.11	589.81
8	49.65	0.00	0.79	0.00	18.16	9522.78	8	49.65	0.00	0.79	0.00	5.83	3090.29	8	0.00	0.00	0.00	0.00	1.13	588.68
9	49.87	0.00	0.79	0.00	18.24	9553.62	9	49.87	0.00	0.79	0.00	5.92	3133.45	9	0.00	0.00	0.00	0.00	1.13	587.55
10	49.59	0.00	0.79	0.00	17.30	9585.12	10	49.59	0.00	0.79	0.00	5.68	3176.57	10	0.00	0.00	0.00	0.00	1.06	586.49
11	49.69	0.00	0.79	0.00	21.09	9612.93	11	49.69	0.00	0.79	0.00	6.98	3218.49	11	0.00	0.00	0.00	0.00	1.29	585.20
12	49.51	0.00	0.79	0.00	22.82	9638.83	12	49.51	0.00	0.79	0.00	7.64	3259.57	12	0.00	0.00	0.00	0.00	1.39	583.81
13	49.64	2.52	0.79	0.00	21.90	9668.30	13	49.64	2.52	0.79	0.00	7.41	3303.53	13	0.00	0.00	0.00	0.00	1.33	582.48
14	49.32	0.00	0.79	0.00	22.00	9694.83	14	49.32	0.00	0.79	0.00	7.51	3344.55	14	0.00	0.00	0.00	0.00	1.32	581.16
15	49.04	0.00	0.79	0.00	22.74	9720.34	15	49.04	0.00	0.79	0.00	7.84	3384.96	15	0.00	0.00	0.00	0.00	1.36	579.80
16	49.22	0.00	0.79	0.00	21.11	9747.66	16	49.22	0.00	0.79	0.00	7.35	3426.04	16	0.00	0.00	0.00	0.00	1.26	578.54
17	48.26	0.00	0.79	0.00	19.13	9776.00	17	48.26	0.00	0.79	0.00	6.72	3466.79	17	0.00	0.00	0.00	0.00	1.13	577.41
18	39.13	0.00	0.79	0.00	9.95	9804.39	18	39.13	0.00	0.79	0.00	3.52	3501.61	18	0.00	0.00	0.00	0.00	0.59	576.82
19	46.76	0.00	0.79	0.00	12.36	9838.00	19	46.76	0.00	0.79	0.00	4.42	3543.16	19	0.00	0.00	0.00	0.00	0.73	576.09
20	49.62	0.00	0.79	0.00	28.26	9858.57	20	49.62	0.00	0.79	0.00	10.17	3581.82	20	0.00	0.00	0.00	0.00	1.65	574.44
21	49.22	0.00	0.79	0.00	28.36	9878.64	21	49.22	0.00	0.79	0.00	10.30	3619.95	21	0.00	0.00	0.00	0.00	1.65	572.79
22	49.33	0.00	0.79	0.00	28.45	9898.73	22	49.33	0.00	0.79	0.00	10.42	3658.07	22	0.00	0.00	0.00	0.00	1.65	571.14
23	45.36	0.00	0.79	0.00	37.23	9906.07	23	45.36	0.00	0.79	0.00	13.75	3688.89	23	0.00	0.00	0.00	0.00	2.15	568.99
24	49.15	0.00	0.79	0.00	42.92	9911.51	24	49.15	0.00	0.79	0.00	15.98	3721.27	24	0.00	0.00	0.00	0.00	2.46	566.53
25	41.74	0.00	0.79	0.00	25.87	9926.59	25	41.74	0.00	0.79	0.00	9.72	3752.50	25	0.00	0.00	0.00	0.00	1.48	565.05
26	37.00	0.00	0.79	0.00	20.36	9942.44	26	37.00	0.00	0.79	0.00	7.70	3781.01	26	0.00	0.00	0.00	0.00	1.16	563.89
27	37.63	0.00	0.79	0.00	27.45	9951.83	27	37.63	0.00	0.79	0.00	10.44	3807.41	27	0.00	0.00	0.00	0.00	1.56	562.33
28	32.77	0.00	0.79	0.00	27.18	9956.63	28	32.77	0.00	0.79	0.00	10.40	3828.99	28	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
						1768.85							516.52
1	0.00	0.79	0.00	0.00	1.89	1767.75	1	0.00	0.00	0.00	0.00	0.55	515.97
2	0.00	0.79	0.00	0.00	4.79	1763.75	2	0.00	0.00	0.00	0.00	1.40	514.57
3	0.00	0.79	0.00	0.00	1.98	1762.56	3	0.00	0.00	0.00	0.00	0.58	513.99
4	0.00	305.55	0.00	0.00	1.85	2066.26	4	0.00	60.66	0.00	0.00	0.54	574.11
5	0.00	0.79	0.00	0.00	0.65	2066.40	5	0.00	0.00	0.00	0.00	0.18	573.93
6	0.00	0.79	0.00	0.00	3.82	2063.37	6	0.00	0.00	0.00	0.00	1.06	572.87
7	0.00	0.79	0.00	0.00	3.89	2060.27	7	0.00	0.00	0.00	0.00	1.08	571.79
8	0.00	0.79	0.00	0.00	3.94	2057.12	8	0.00	0.00	0.00	0.00	1.09	570.70
9	0.00	0.79	0.00	0.00	3.93	2053.98	9	0.00	0.00	0.00	0.00	1.09	569.61
10	0.00	0.79	0.00	0.00	3.72	2051.05	10	0.00	0.00	0.00	0.00	1.03	568.58
11	0.00	0.79	0.00	0.00	4.50	2047.34	11	0.00	0.00	0.00	0.00	1.25	567.33
12	0.00	0.79	0.00	0.00	4.86	2043.27	12	0.00	0.00	0.00	0.00	1.35	565.98
13	0.00	2.44	0.00	0.00	4.65	2041.06	13	0.00	0.33	0.00	0.00	1.29	565.02
14	0.00	0.79	0.00	0.00	4.63	2037.22	14	0.00	0.00	0.00	0.00	1.28	563.74
15	0.00	0.79	0.00	0.00	4.78	2033.23	15	0.00	0.00	0.00	0.00	1.32	562.42
16	0.00	0.79	0.00	0.00	4.41	2029.61	16	0.00	0.00	0.00	0.00	1.22	561.20
17	0.00	0.79	0.00	0.00	3.98	2026.42	17	0.00	0.00	0.00	0.00	1.10	560.10
18	0.00	0.79	0.00	0.00	2.06	2025.15	18	0.00	0.00	0.00	0.00	0.57	559.53
19	0.00	0.79	0.00	0.00	2.56	2023.38	19	0.00	0.00	0.00	0.00	0.71	558.82
20	0.00	0.79	0.00	0.00	5.81	2018.36	20	0.00	0.00	0.00	0.00	1.60	557.22
21	0.00	0.79	0.00	0.00	5.80	2013.35	21	0.00	0.00	0.00	0.00	1.60	555.62
22	0.00	0.79	0.00	0.00	5.79	2008.35	22	0.00	0.00	0.00	0.00	1.60	554.02
23	0.00	0.79	0.00	0.00	7.55	2001.59	23	0.00	0.00	0.00	0.00	2.08	551.94
24	0.00	0.79	0.00	0.00	8.67	1993.71	24	0.00	0.00	0.00	0.00	2.39	549.55
25	0.00	0.79	0.00	0.00	5.22	1989.28	25	0.00	0.00	0.00	0.00	1.44	548.11
26	0.00	0.79	0.00	0.00	4.08	1985.99	26	0.00	0.00	0.00	0.00	1.12	546.99
27	0.00	0.79	0.00	0.00	5.49	1981.29	27	0.00	0.00	0.00	0.00	1.51	545.48
28	0.00	0.79	0.00	0.00	5.41	1976.67	28	0.00	0.00	0.00	0.00	1.49	543.99
29	0.00	0.79	0.00	0.00	5.41	1972.05	29	0.00	0.00	0.00	0.00	1.49	542.50
30	0.00	3.64	341.85	0.00	5.76	1628.08	30	0.00	0.00	57.99	0.00	1.58	482.93
	0.00	332.96	341.85	0.00	131.88			0.00	60.99	57.99	0.00	36.59	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1221.08							31.25
1	0.00	0.00	0.00	0.00	1.31	1219.77	1	0.00	0.79	0.00	0.00	0.03	32.01
2	0.00	0.00	0.00	0.00	3.30	1216.47	2	0.00	0.79	0.00	0.00	0.09	32.71
3	0.00	0.00	0.00	0.00	1.36	1215.11	3	0.00	0.79	0.00	0.00	0.04	33.46
4	0.00	244.10	0.00	0.00	1.27	1457.94	4	0.00	0.79	0.00	0.00	0.04	34.21
5	0.00	0.00	0.00	0.00	0.46	1457.48	5	0.00	0.79	0.00	0.00	0.01	34.99
6	0.00	0.00	0.00	0.00	2.70	1454.78	6	0.00	0.79	0.00	0.00	0.06	35.72
7	0.00	0.00	0.00	0.00	2.74	1452.04	7	0.00	0.79	0.00	0.00	0.07	36.44
8	0.00	0.00	0.00	0.00	2.78	1449.26	8	0.00	0.79	0.00	0.00	0.07	37.16
9	0.00	0.00	0.00	0.00	2.77	1446.49	9	0.00	0.79	0.00	0.00	0.07	37.88
10	0.00	0.00	0.00	0.00	2.62	1443.87	10	0.00	0.79	0.00	0.00	0.07	38.60
11	0.00	0.00	0.00	0.00	3.17	1440.70	11	0.00	0.79	0.00	0.00	0.08	39.31
12	0.00	0.00	0.00	0.00	3.42	1437.28	12	0.00	0.79	0.00	0.00	0.09	40.01
13	0.00	1.32	0.00	0.00	3.27	1435.33	13	0.00	0.79	0.00	0.00	0.09	40.71
14	0.00	0.00	0.00	0.00	3.26	1432.07	14	0.00	0.79	0.00	0.00	0.09	41.41
15	0.00	0.00	0.00	0.00	3.36	1428.71	15	0.00	0.79	0.00	0.00	0.10	42.10
16	0.00	0.00	0.00	0.00	3.10	1425.61	16	0.00	0.79	0.00	0.00	0.09	42.80
17	0.00	0.00	0.00	0.00	2.80	1422.81	17	0.00	0.79	0.00	0.00	0.08	43.51
18	0.00	0.00	0.00	0.00	1.45	1421.36	18	0.00	0.79	0.00	0.00	0.04	44.26
19	0.00	0.00	0.00	0.00	1.79	1419.57	19	0.00	0.79	0.00	0.00	0.06	44.99
20	0.00	0.00	0.00	0.00	4.08	1415.49	20	0.00	0.79	0.00	0.00	0.13	45.65
21	0.00	0.00	0.00	0.00	4.07	1411.42	21	0.00	0.79	0.00	0.00	0.13	46.31
22	0.00	0.00	0.00	0.00	4.06	1407.36	22	0.00	0.79	0.00	0.00	0.13	46.97
23	0.00	0.00	0.00	0.00	5.29	1402.07	23	0.00	0.79	0.00	0.00	0.18	47.58
24	0.00	0.00	0.00	0.00	6.07	1396.00	24	0.00	0.79	0.00	0.00	0.21	48.16
25	0.00	0.00	0.00	0.00	3.65	1392.35	25	0.00	0.79	0.00	0.00	0.13	48.82
26	0.00	0.00	0.00	0.00	2.86	1389.49	26	0.00	0.79	0.00	0.00	0.10	49.51
27	0.00	0.00	0.00	0.00	3.84	1385.65	27	0.00	0.79	0.00	0.00	0.14	50.16
28	0.00	0.00	0.00	0.00	3.78	1381.87	28	0.00	0.79	0.00	0.00	0.14	50.81
29	0.00	0.00	0.00	0.00	3.78	1378.09	29	0.00	0.79	0.00	0.00	0.14	51.46
30	0.00	0.00	283.86	0.00	4.03	1090.20	30	0.00	3.64	0.00	0.00	0.15	54.95
	0.00	245.42	283.86	0.00	92.44			0.00	26.55	0.00	0.00	2.85	

Enclosure 2

Revised Table 3 for May 2003

TABLE 3
Remaining Depletions To Usable Stateline Flow (Acre-Feet)
May 2003

	REACH NUMBER									
	11	12	13	14	15	16	17	18	21	Sum
Balance Forward from Apr03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	0.00	0.00	0.00	0.00	0.00	0.00	220.17	433.02	19.21	672.40
Depletion to Usable SL Flow	0.00	0.00	0.00	0.00	0.00	0.00	180.32	354.64	15.73	550.69
Replacements										
FRY-ARK Return Flows	0.00	0.00	0.00	0.00						0.00
LAWMA-Lamar Center Farm					0.00					0.00
LAWMA-Ft Bent Ditch Shrs				0.00						0.00
LAWMA-Stubbs Direct Flow								68.00		68.00
LAWMA-XY Direct Flow					0.00					0.00
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	0.00	0.00	0.00	68.00	0.00	68.00
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	180.32	286.64	15.73	482.69

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

September 16, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for July 2003 and Revisions to the Monthly Report for May 2003

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, 2003.

Table 1 shows the amount of pumping during the month of July 2003 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.

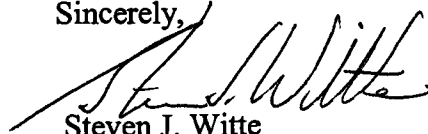
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of July 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 722.57 acre-feet of fully consumable water into the Offset Account during July 2003. A portion of the Keese consumable water (25.1 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation.

As of July 31, 2003, there was 11415.11 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Steve Sims
	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 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1280.86	519.10
2	BOOTH ORCHARD	30.52	19.23
3	EXCELSIOR	284.35	160.91
4	COLLIER	11.20	5.60
5	COLORADO	105.22	47.23
6	ROCKY FORD HIGHLINE	464.24	147.53
7	OXFORD	450.87	261.03
8	OTERO	40.81	12.45
9	CATLIN	2131.17	867.19
10	FORT LYON US	1029.91	383.57
11	ROCKY FORD	47.75	15.86
12	HOLBROOK	654.18	204.21
13	LAS ANIMAS CONSOLIDATED	213.82	106.53
14	BALDWIN-STUBBS	628.56	318.83
15	FORT BENT	97.70	31.48
16	KEESE	0.00	0.00
17	AMITY	325.00	134.28
18	LAMAR/MANVEL	148.33	61.96
19	HYDE	62.78	18.84
20	FORT LYON DS	341.38	124.08
21	XY GRAHAM	0.00	0.00
22	BUFFALO	164.23	58.45
23	SISSON	28.68	28.68
24	STATELINE SOLE SOURCE	184.05	133.68
600	LAWMA A.P.D.	212.94	68.14
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	8938.55	3728.86

Enclosure 1

John Martin Offset Accounting for July 2003

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
11944.22							0.00						7631.22							
1	54.83	0.77	0.77	0.00	42.21	11956.84	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	26.98	7604.24
2	35.07	0.77	0.77	0.00	34.16	11957.75	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	21.71	7582.53
3	32.29	0.77	0.77	0.00	41.09	11948.95	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	26.07	7556.46
4	26.38	0.77	0.77	0.00	40.31	11935.02	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	25.50	7530.96
5	24.52	0.77	0.77	0.00	40.83	11918.71	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	25.76	7505.20
6	23.84	0.77	0.77	0.00	40.91	11901.64	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	25.76	7479.44
7	56.18	2.00	2.00	0.00	40.99	11916.83	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	25.76	7453.68
8	23.10	0.77	0.77	0.00	45.06	11894.87	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	28.18	7425.50
9	23.00	0.77	0.77	0.00	36.91	11880.96	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	23.04	7402.46
10	22.65	0.77	0.77	0.00	39.14	11864.47	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	24.38	7378.08
11	22.74	0.77	0.77	0.00	39.68	11847.53	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	24.67	7353.41
12	22.62	0.77	0.77	0.00	39.76	11830.39	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	24.68	7328.73
13	22.56	0.77	0.77	0.00	39.85	11813.10	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	24.69	7304.04
14	22.58	0.77	0.77	0.00	34.70	11800.98	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	21.45	7282.59
15	20.65	0.77	0.77	0.00	50.23	11771.40	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	31.00	7251.59
16	20.65	0.77	0.77	0.00	56.61	11735.44	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	34.87	7216.72
17	20.85	0.77	0.77	0.00	53.71	11702.38	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	33.03	7183.69
18	20.65	462.36	462.36	0.00	36.97	11686.06	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	461.59	0.00	0.00	22.69	7622.59
19	20.65	0.77	0.77	0.00	37.05	11669.66	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	24.17	7598.42
20	20.65	0.77	0.77	0.00	37.12	11653.19	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	24.17	7574.25
21	20.65	0.77	0.77	0.00	46.61	11627.23	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	30.29	7543.96
22	20.65	0.77	0.77	0.00	34.14	11613.74	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	22.15	7521.81
23	20.65	0.77	0.77	0.00	39.68	11594.71	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	25.70	7496.11
24	20.65	0.77	0.77	0.00	49.78	11565.58	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	32.18	7463.93
25	20.65	0.77	0.77	0.00	44.93	11541.30	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	29.00	7434.93
26	20.65	0.77	0.77	0.00	44.20	11517.75	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	28.48	7406.45
27	20.65	0.77	0.77	0.00	44.33	11494.07	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	28.51	7377.94
28	20.65	0.77	0.77	0.00	18.80	11495.92	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	12.06	7365.88
29	20.65	0.77	0.77	0.00	23.93	11492.64	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	15.33	7350.55
30	20.65	0.77	0.77	0.00	36.56	11476.73	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	23.38	7327.17
31	20.65	424.72	424.72	40.84	41.43	11415.11	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	423.95	0.00	0.00	26.45	7724.67
763.41	910.64	910.64	40.84	1251.68								0.00	885.54	0.00	0.00	792.09				
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
10316.14							2127.29						557.63							
1	54.83	0.00	0.77	0.00	36.46	10333.74	1	54.83	0.00	0.77	0.00	7.51	2173.84	1	0.00	0.00	0.00	0.00	1.97	555.66
2	35.07	0.00	0.77	0.00	29.51	10338.53	2	35.07	0.00	0.77	0.00	6.21	2201.93	2	0.00	0.00	0.00	0.00	1.59	554.07
3	32.29	0.00	0.77	0.00	35.53	10334.52	3	32.29	0.00	0.77	0.00	7.56	2225.89	3	0.00	0.00	0.00	0.00	1.90	552.17
4	26.38	0.00	0.77	0.00	34.87	10325.26	4	26.38	0.00	0.77	0.00	7.51	2243.99	4	0.00	0.00	0.00	0.00	1.86	550.31
5	24.52	0.00	0.77	0.00	35.32	10313.69	5	24.52	0.00	0.77	0.00	7.68	2260.06	5	0.00	0.00	0.00	0.00	1.88	548.43
6	23.84	0.00	0.77	0.00	35.40	10301.36	6	23.84	0.00	0.77	0.00	7.76	2275.37	6	0.00	0.00	0.00	0.00	1.88	546.55
7	56.18	0.00	2.00	0.00	35.48	10320.06	7	56.18	0.00	2.00	0.00	7.84	2321.71	7	0.00	0.00	0.00	0.00	1.88	544.67
8	23.10	0.00	0.77	0.00	39.02	10303.37	8	23.10	0.00	0.77	0.00	8.78	2335.26	8	0.00	0.00	0.00	0.00	2.06	542.61
9	23.00	0.00	0.77	0.00	31.97	10293.63	9	23.00	0.00	0.77	0.00	7.25	2350.24	9	0.00	0.00	0.00	0.00	1.68	540.93
10	22.65	0.00	0.77	0.00	33.91	10281.60	10	22.65	0.00	0.77	0.00	7.75	2364.37	10	0.00	0.00	0.00	0.00	1.78	539.15
11	22.74	0.00	0.77	0.00	34.38	10269.19	11	22.74	0.00	0.77	0.00	7.91	2378.43	11	0.00	0.00	0.00	0.00	1.80	537.35
12	22.62	0.00	0.77	0.00	34.46	10256.58	12	22.62	0.00	0.77	0.00	7.98	2392.30	12	0.00	0.00	0.00	0.00	1.80	535.55
13	22.56	0.00	0.77	0.00	34.55	10243.82	13	22.56	0.00	0.77	0.00	8.06	2406.03	13	0.00	0.00	0.00	0.00	1.80	533.75
14	22.58	0.00	0.77	0.00	30.09	10235.54	14	22.58	0.00	0.77	0.00	7.07	2420.77	14	0.00	0.00	0.00	0.00	1.57	532.18
15	20.65	0.00	0.77	0.00	43.57	10211.85	15	20.65	0.00	0.77	0.00	10.30	2430.35	15	0.00	0.00	0.00	0.00	2.27	529.91
16	20.65	0.00	0.77	0.00	49.11	10182.62	16	20.65	0.00	0.77	0.00	11.69	2438.54	16	0.00	0.00	0.00	0.00	2.55	527.36
17	20.65	0.00	0.77	0.00	46.60	10155.90	17	20.65	0.00	0.77	0.00	11.16	2447.26	17	0.00	0.00	0.00	0.00	2.41	524.95
18	20.65	461.59	462.36	0.00	32.08	10143.70	18	20.65	0.00	462.36	0.00	7.73	1997.82	18	0.00	0.00	0.00	0.00	1.66	523.29
19	20.65	0.00	0.77	0.00	32.16	10131.42	19	20.65	0.00	0.77	0.00	6.33	2011.37	19	0.00	0.00	0.00	0.00	1.66	521.63
20	20.65	0.00	0.77	0.00	32.23	10119.07	20	20.65	0.00	0.77	0.00	6.40	2024.85	20	0.00	0.00	0.00	0.00	1.66	519.97
21	20.65	0.00	0.77	0.00	40.47	10098.48	21	20.65	0.00	0.77	0.00	8.10	2036.63	21	0.00	0.00	0.00	0.00	2.08	517.89
22	20.65	0.00	0.77	0.00	29.65	10088.71	22	20.65	0.00	0.77	0.00	5.98	2050.53	22	0.00	0.00	0.00	0.00	1.52	516.37
23	20.65	0.00	0.77	0.00	34.47	10074.12	23	20.65	0.00	0.77	0.00	7.01	2063.40	23	0.00	0.00	0.00	0.00	1.76	514.61
24	20.65	0.00	0.77	0.00	43.25	10050.75	24	20.65	0.00	0.77	0.00	8.86	2074.42	24	0.00	0.00	0.00	0.00	2.21	512.40
25	20.65	0.00	0.77	0.00	39.05	10031.58	25	20.65	0.00	0.77	0.00	8.06	2086.24	25	0.00	0.00	0.00	0.00	1.99	510.41
26	20.65	0.00	0.77	0.00	38.42	10013.04	26	20.65	0.00	0.77	0.00	7.99	2098.13	26	0.00	0.00	0.00	0.00	1.95	508.46
27	20.65	0.00	0.77	0.00	38.54	9994.38	27	20.65	0.00	0.77	0.00	8.07	2109.94	27	0.00	0.00	0.00	0.00	1.96	506.50
28	20.65	0.00	0.77	0.00	16.34	9997.92	28	20.65	0.00	0.77	0.00	3.45	2126.							

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	0.77	0.00	0.00	5.75	1623.10	1	0.00	0.00	0.00	0.00	1.71	482.93
2	0.00	0.77	0.00	0.00	4.65	1619.22	2	0.00	0.00	0.00	0.00	1.38	479.84
3	0.00	0.77	0.00	0.00	5.56	1614.43	3	0.00	0.00	0.00	0.00	1.65	478.19
4	0.00	0.77	0.00	0.00	5.44	1609.76	4	0.00	0.00	0.00	0.00	1.61	476.58
5	0.00	0.77	0.00	0.00	5.51	1605.02	5	0.00	0.00	0.00	0.00	1.63	474.95
6	0.00	0.77	0.00	0.00	5.51	1600.28	6	0.00	0.00	0.00	0.00	1.63	473.32
7	0.00	2.00	0.00	0.00	5.51	1596.77	7	0.00	0.00	0.00	0.00	1.63	471.69
8	0.00	0.77	0.00	0.00	6.04	1591.50	8	0.00	0.00	0.00	0.00	1.78	469.91
9	0.00	0.77	0.00	0.00	4.94	1587.33	9	0.00	0.00	0.00	0.00	1.46	468.45
10	0.00	0.77	0.00	0.00	5.23	1582.87	10	0.00	0.00	0.00	0.00	1.54	466.91
11	0.00	0.77	0.00	0.00	5.30	1578.34	11	0.00	0.00	0.00	0.00	1.56	465.35
12	0.00	0.77	0.00	0.00	5.30	1573.81	12	0.00	0.00	0.00	0.00	1.56	463.79
13	0.00	0.77	0.00	0.00	5.30	1569.28	13	0.00	0.00	0.00	0.00	1.56	462.23
14	0.00	0.77	0.00	0.00	4.61	1565.44	14	0.00	0.00	0.00	0.00	1.36	460.87
15	0.00	0.77	0.00	0.00	6.66	1559.55	15	0.00	0.00	0.00	0.00	1.96	458.91
16	0.00	0.77	0.00	0.00	7.50	1552.82	16	0.00	0.00	0.00	0.00	2.21	456.70
17	0.00	0.77	0.00	0.00	7.11	1546.48	17	0.00	0.00	0.00	0.00	2.09	454.61
18	0.00	0.77	0.00	0.00	4.89	1542.36	18	0.00	0.00	0.00	0.00	1.44	453.17
19	0.00	0.77	0.00	0.00	4.89	1538.24	19	0.00	0.00	0.00	0.00	1.44	451.73
20	0.00	0.77	0.00	0.00	4.89	1534.12	20	0.00	0.00	0.00	0.00	1.44	450.29
21	0.00	0.77	0.00	0.00	6.14	1528.75	21	0.00	0.00	0.00	0.00	1.80	448.49
22	0.00	0.77	0.00	0.00	4.49	1525.03	22	0.00	0.00	0.00	0.00	1.32	447.17
23	0.00	0.77	0.00	0.00	5.21	1520.59	23	0.00	0.00	0.00	0.00	1.53	445.64
24	0.00	0.77	0.00	0.00	6.53	1514.83	24	0.00	0.00	0.00	0.00	1.91	443.73
25	0.00	0.77	0.00	0.00	5.88	1509.72	25	0.00	0.00	0.00	0.00	1.72	442.01
26	0.00	0.77	0.00	0.00	5.78	1504.71	26	0.00	0.00	0.00	0.00	1.69	440.32
27	0.00	0.77	0.00	0.00	5.79	1499.69	27	0.00	0.00	0.00	0.00	1.69	438.63
28	0.00	0.77	0.00	0.00	2.46	1498.00	28	0.00	0.00	0.00	0.00	0.72	437.91
29	0.00	0.77	0.00	0.00	3.12	1495.65	29	0.00	0.00	0.00	0.00	0.91	437.00
30	0.00	0.77	0.00	0.00	4.76	1491.66	30	0.00	0.00	0.00	0.00	1.39	435.61
31	0.00	0.77	423.95	0.00	5.38	1063.10	31	0.00	0.00	73.49	0.00	1.57	360.55
0.00 25.10 423.95 0.00 166.13							0.00 0.00 73.49 0.00 48.89						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1					3.85	1090.20	1	0.00	0.77	0.00	0.00	0.19	54.95
2	0.00	0.00	0.00	0.00	3.11	1086.35	2	0.00	0.77	0.00	0.00	0.16	55.53
3	0.00	0.00	0.00	0.00	3.72	1083.24	3	0.00	0.77	0.00	0.00	0.19	56.14
4	0.00	0.00	0.00	0.00	3.64	1079.52	4	0.00	0.77	0.00	0.00	0.19	57.30
5	0.00	0.00	0.00	0.00	3.68	1075.88	5	0.00	0.77	0.00	0.00	0.20	57.87
6	0.00	0.00	0.00	0.00	3.68	1072.20	6	0.00	0.77	0.00	0.00	0.20	58.44
7	0.00	0.00	0.00	0.00	3.68	1068.52	7	0.00	2.00	0.00	0.00	0.20	60.24
8	0.00	0.00	0.00	0.00	4.03	1064.84	8	0.00	0.77	0.00	0.00	0.23	60.78
9	0.00	0.00	0.00	0.00	3.29	1060.81	9	0.00	0.77	0.00	0.00	0.19	61.36
10	0.00	0.00	0.00	0.00	3.49	1057.52	10	0.00	0.77	0.00	0.00	0.20	61.93
11	0.00	0.00	0.00	0.00	3.53	1054.03	11	0.00	0.77	0.00	0.00	0.21	62.49
12	0.00	0.00	0.00	0.00	3.53	1050.50	12	0.00	0.77	0.00	0.00	0.21	62.91
13	0.00	0.00	0.00	0.00	3.53	1046.97	13	0.00	0.77	0.00	0.00	0.21	63.05
14	0.00	0.00	0.00	0.00	3.06	1043.44	14	0.00	0.77	0.00	0.00	0.19	63.61
15	0.00	0.00	0.00	0.00	4.43	1040.38	15	0.00	0.77	0.00	0.00	0.27	64.19
16	0.00	0.00	0.00	0.00	4.98	1035.95	16	0.00	0.77	0.00	0.00	0.31	64.69
17	0.00	0.00	0.00	0.00	4.72	1030.97	17	0.00	0.77	0.00	0.00	0.30	65.15
18	0.00	0.00	0.00	0.00	3.24	1026.25	18	0.00	0.77	0.00	0.00	0.21	65.62
19	0.00	0.00	0.00	0.00	3.24	1023.01	19	0.00	0.77	0.00	0.00	0.21	66.18
20	0.00	0.00	0.00	0.00	3.24	1019.77	20	0.00	0.77	0.00	0.00	0.21	66.74
21	0.00	0.00	0.00	0.00	4.07	1016.53	21	0.00	0.77	0.00	0.00	0.27	67.30
22	0.00	0.00	0.00	0.00	2.97	1012.46	22	0.00	0.77	0.00	0.00	0.20	67.80
23	0.00	0.00	0.00	0.00	3.45	1009.49	23	0.00	0.77	0.00	0.00	0.23	68.37
24	0.00	0.00	0.00	0.00	4.32	1006.04	24	0.00	0.77	0.00	0.00	0.30	68.91
25	0.00	0.00	0.00	0.00	3.89	1001.72	25	0.00	0.77	0.00	0.00	0.27	69.38
26	0.00	0.00	0.00	0.00	3.82	997.83	26	0.00	0.77	0.00	0.00	0.27	69.88
27	0.00	0.00	0.00	0.00	3.83	994.01	27	0.00	0.77	0.00	0.00	0.27	70.38
28	0.00	0.00	0.00	0.00	1.62	990.18	28	0.00	0.77	0.00	0.00	0.12	70.88
29	0.00	0.00	0.00	0.00	2.06	988.56	29	0.00	0.77	0.00	0.00	0.15	71.53
30	0.00	0.00	0.00	0.00	3.14	986.50	30	0.00	0.77	0.00	0.00	0.23	72.15
31	0.00	0.00	350.46	0.00	3.55	983.36	31	0.00	0.77	0.00	0.00	0.26	72.69
0.00 0.00 350.46 0.00 110.39							0.00 25.10 0.00 0.00 6.85						

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

October 16, 2003



<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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for August 2003

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, 2003.

Table 1 shows the amount of pumping during the month of August 2003 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of August 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 709.38 acre-feet of fully consumable water into the Offset Account during August 2003. A portion of the Keese consumable water (27.42 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation.

As of August 31, 2003, there was 11066.10 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.

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

Sincerely,

Steven J. Witte
Division Engineer
Colorado Division of Water Resources

cc:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Steve Sims
	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 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1232.32	474.28
2	BOOTH ORCHARD	10.36	5.79
3	EXCELSIOR	344.12	207.82
4	COLLIER	81.75	31.45
5	COLORADO	86.86	39.38
6	ROCKY FORD HIGHLINE	373.71	128.75
7	OXFORD	588.10	277.15
8	OTERO	63.86	19.37
9	CATLIN	1534.51	702.99
10	FORT LYON US	1303.21	446.33
11	ROCKY FORD	50.54	17.81
12	HOLBROOK	665.41	208.08
13	LAS ANIMAS CONSOLIDATED	184.23	84.40
14	BALDWIN-STUBBS	397.96	200.80
15	FORT BENT	56.99	24.01
16	KEESE	146.17	99.48
17	AMITY	769.35	322.05
18	LAMAR/MANVEL	481.49	174.62
19	HYDE	80.09	24.03
20	FORT LYON DS	194.87	80.89
21	XY GRAHAM	295.86	181.04
22	BUFFALO	107.59	40.72
23	SISSON	156.71	156.71
24	STATELINE SOLE SOURCE	679.80	481.70
600	LAWMA A.P.D.	111.56	35.70
601	LAWMA A.P.D.	6.64	1.99
602	LAWMA A.P.D.	0.00	0.00
	Totals	10004.06	4467.34

Enclosure 1

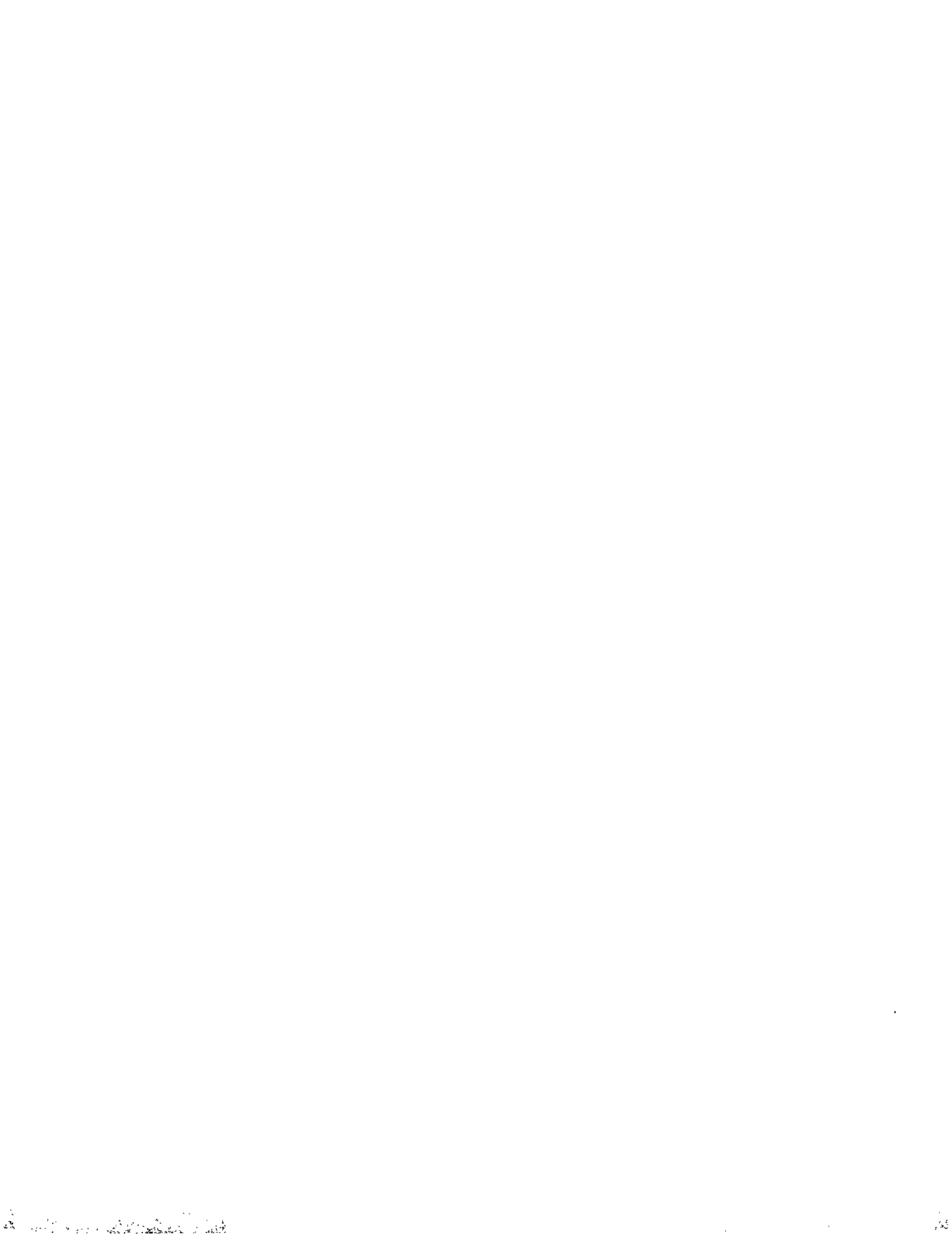
John Martin Offset Accounting for August 2003

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
						11415.11							0.00							7724.67
1	18.82	7.56	7.56	0.00	32.71	11401.22	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	22.14	7702.53
2	18.82	0.71	0.71	0.00	32.90	11387.14	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	22.23	7680.30
3	18.82	0.71	0.71	0.00	32.51	11373.45	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	21.93	7658.37
4	18.82	0.71	0.71	0.00	27.87	11364.40	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	18.76	7639.61
5	18.82	0.71	0.71	0.00	24.15	11359.07	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	16.24	7623.37
6	49.69	0.71	0.71	0.00	33.70	11375.06	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	22.61	7600.76
7	24.72	0.71	0.71	0.00	41.47	11358.31	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	27.71	7573.05
8	21.52	0.71	0.71	0.00	24.39	11355.44	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	16.27	7556.78
9	20.76	0.71	0.71	0.00	24.44	11351.76	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	16.25	7540.53
10	29.07	0.71	0.71	0.00	25.47	11355.36	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	16.92	7523.61
11	49.94	0.71	0.71	0.00	41.40	11363.90	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	27.42	7496.19
12	34.81	0.71	0.71	0.00	39.14	11359.57	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	25.81	7470.38
13	48.57	0.71	0.71	0.00	40.19	11367.95	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	26.43	7443.95
14	34.63	0.71	0.71	0.00	43.24	11359.34	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	28.31	7415.64
15	27.45	0.71	0.71	0.00	45.31	11341.48	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	29.58	7386.06
16	22.37	0.71	0.71	0.00	45.92	11317.93	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	29.90	7356.16
17	20.81	0.71	0.71	0.00	46.04	11292.70	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	29.91	7326.25
18	20.01	0.71	0.71	0.00	24.06	11288.65	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	15.61	7310.64
19	19.40	0.71	0.71	0.00	28.53	11279.52	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	18.47	7292.17
20	19.25	0.71	0.71	0.00	31.57	11267.20	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	20.42	7271.75
21	19.19	0.71	0.71	0.00	49.41	11236.98	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	31.88	7239.87
22	19.15	0.71	0.71	0.00	49.52	11206.61	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	31.91	7207.96
23	19.15	0.71	0.71	0.00	48.61	11177.15	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	31.26	7176.70
24	19.07	0.71	0.71	0.00	49.70	11146.52	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	31.91	7144.79
25	19.09	0.71	0.71	0.00	36.35	11129.26	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	23.30	7121.49
26	12.76	0.47	0.47	0.00	25.43	11116.59	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	16.26	7105.23
27	12.76	0.47	0.47	0.00	41.39	11087.96	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	26.44	7078.79
28	12.76	0.47	0.47	0.00	30.95	11069.77	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	19.77	7059.02
29	12.78	0.47	0.47	0.00	14.00	11068.55	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	8.92	7050.10
30	12.82	0.47	0.47	0.00	14.01	11067.36	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	8.92	7041.18
31	12.75	61.57	61.57	0.00	14.01	11066.10	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	61.10	0.00	0.00	8.90	7093.38
709.38	88.52	88.52	0.00	1058.39			0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.10	0.00	0.00	0.00	692.39		

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
						10352.01							2126.15							501.19
1	18.82	0.00	7.56	0.00	29.67	10333.60	1	18.82	0.00	7.56	0.00	6.09	2131.32	1	0.00	0.00	0.00	0.00	1.44	499.75
2	18.82	0.00	0.71	0.00	29.82	10321.89	2	18.82	0.00	0.71	0.00	6.15	2143.28	2	0.00	0.00	0.00	0.00	1.44	498.31
3	18.82	0.00	0.71	0.00	29.47	10310.53	3	18.82	0.00	0.71	0.00	6.12	2155.27	3	0.00	0.00	0.00	0.00	1.42	496.89
4	18.82	0.00	0.71	0.00	25.26	10303.38	4	18.82	0.00	0.71	0.00	5.28	2168.10	4	0.00	0.00	0.00	0.00	1.22	495.67
5	18.82	0.00	0.71	0.00	21.90	10299.59	5	18.82	0.00	0.71	0.00	4.61	2181.60	5	0.00	0.00	0.00	0.00	1.05	494.62
6	49.69	0.00	0.71	0.00	30.55	10318.02	6	49.69	0.00	0.71	0.00	6.47	2224.11	6	0.00	0.00	0.00	0.00	1.47	493.15
7	24.72	0.00	0.71	0.00	37.62	10304.41	7	24.72	0.00	0.71	0.00	8.11	2240.01	7	0.00	0.00	0.00	0.00	1.80	491.35
8	21.52	0.00	0.71	0.00	22.13	10303.09	8	21.52	0.00	0.71	0.00	4.81	2256.01	8	0.00	0.00	0.00	0.00	1.05	490.30
9	20.76	0.00	0.71	0.00	22.17	10300.97	9	20.76	0.00	0.71	0.00	4.86	2271.20	9	0.00	0.00	0.00	0.00	1.06	489.24
10	29.07	0.00	0.71	0.00	23.11	10306.22	10	29.07	0.00	0.71	0.00	5.09	2294.47	10	0.00	0.00	0.00	0.00	1.10	488.14
11	49.94	0.00	0.71	0.00	37.57	10317.88	11	49.94	0.00	0.71	0.00	8.37	2335.33	11	0.00	0.00	0.00	0.00	1.78	486.36
12	34.81	0.00	0.71	0.00	35.54	10316.44	12	34.81	0.00	0.71	0.00	8.05	2361.38	12	0.00	0.00	0.00	0.00	1.68	484.68
13	48.57	0.00	0.71	0.00	36.51	10327.79	13	48.57	0.00	0.71	0.00	8.36	2400.88	13	0.00	0.00	0.00	0.00	1.72	482.96
14	34.63	0.00	0.71	0.00	39.28	10322.43	14	34.63	0.00	0.71	0.00	9.13	2425.67	14	0.00	0.00	0.00	0.00	1.84	481.12
15	27.45	0.00	0.71	0.00	41.17	10308.00	15	27.45	0.00	0.71	0.00	9.67	2442.74	15	0.00	0.00	0.00	0.00	1.92	479.20
16	22.37	0.00	0.71	0.00	41.73	10287.93	16	22.37	0.00	0.71	0.00	9.89	2454.51	16	0.00	0.00	0.00	0.00	1.94	477.26
17	20.81	0.00	0.71	0.00	41.84	10266.19	17	20.81	0.00	0.71	0.00	9.99	2464.62	17	0.00	0.00	0.00	0.00	1.94	475.32
18	20.01	0.00	0.71	0.00	21.87	10263.62	18	20.01	0.00	0.71	0.00	5.25	2478.67	18	0.00	0.00	0.00	0.00	1.01	474.31
19	19.40	0.00	0.71	0.00	25.94	10256.37	19	19.40	0.00	0.71	0.00	6.27	2491.09	19	0.00	0.00	0.00	0.00	1.20	473.11
20	19.25	0.00	0.71	0.00	28.71	10246.20	20	19.25	0.00	0.71	0.00	6.97	2502.66	20	0.00	0.00	0.00	0.00	1.32	471.79
21	19.19	0.00	0.71	0.00	44.93	10219.75	21	19.19	0.00	0.71	0.00	10.98	2510.16	21	0.00	0.00	0.00	0.00	2.07	469.72
22	19.15	0.00	0.71	0.00	45.04	10193.15	22	19.15	0.00	0.71	0.00	11.06	2517.54	22	0.00	0.00	0.00	0.00	2.07	467.65
23	19.15	0.00	0.71	0.00	44.21	10167.38	23	19.15	0.00	0.71	0.00	10.92	2525.06	23	0.00	0.00	0.00	0.00	2.03	465.62
24	19.07	0.00	0.71	0.00	45.21	10140.53	24	19.07	0.00	0.71	0.00	11.23	2532.19	24	0.00	0.00	0.00	0.00	2.07	463.55
25	19.09	0.00	0.71	0.00	33.07	10125.84	25	19.09	0.00	0.71	0.00	8.26	2542.31	25	0.00	0.00	0.00	0.00	1.51	462.04
26	12.76	0.00	0.47	0.00	23.13	10115.00	26	12.76	0.00	0.47	0.00	5.81	2548.79	26	0.00	0.00	0.00	0.00	1.06	460.98
27	12.76	0.00	0.47	0.00	37.65	10089.64	27	12.76	0.00											

OffsetAccount-ReturnFlow						OffsetAccount-ReturnFlow							
Totals						RF Transit Loss							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						1063.10							360.55
1	0.00	7.56	0.00	0.00	3.04	1067.62	1	0.00	0.00	0.00	0.00	1.03	359.52
2	0.00	0.71	0.00	0.00	3.08	1065.25	2	0.00	0.00	0.00	0.00	1.04	358.48
3	0.00	0.71	0.00	0.00	3.04	1062.92	3	0.00	0.00	0.00	0.00	1.02	357.46
4	0.00	0.71	0.00	0.00	2.61	1061.02	4	0.00	0.00	0.00	0.00	0.88	356.58
5	0.00	0.71	0.00	0.00	2.25	1059.48	5	0.00	0.00	0.00	0.00	0.76	355.82
6	0.00	0.71	0.00	0.00	3.15	1057.04	6	0.00	0.00	0.00	0.00	1.06	354.76
7	0.00	0.71	0.00	0.00	3.85	1053.90	7	0.00	0.00	0.00	0.00	1.29	353.47
8	0.00	0.71	0.00	0.00	2.26	1052.35	8	0.00	0.00	0.00	0.00	0.76	352.71
9	0.00	0.71	0.00	0.00	2.27	1050.79	9	0.00	0.00	0.00	0.00	0.76	351.95
10	0.00	0.71	0.00	0.00	2.36	1049.14	10	0.00	0.00	0.00	0.00	0.79	351.16
11	0.00	0.71	0.00	0.00	3.83	1046.02	11	0.00	0.00	0.00	0.00	1.28	349.88
12	0.00	0.71	0.00	0.00	3.60	1043.13	12	0.00	0.00	0.00	0.00	1.21	348.67
13	0.00	0.71	0.00	0.00	3.68	1040.16	13	0.00	0.00	0.00	0.00	1.23	347.44
14	0.00	0.71	0.00	0.00	3.96	1036.91	14	0.00	0.00	0.00	0.00	1.32	346.12
15	0.00	0.71	0.00	0.00	4.14	1033.48	15	0.00	0.00	0.00	0.00	1.38	344.74
16	0.00	0.71	0.00	0.00	4.19	1030.00	16	0.00	0.00	0.00	0.00	1.40	343.34
17	0.00	0.71	0.00	0.00	4.20	1026.51	17	0.00	0.00	0.00	0.00	1.40	341.94
18	0.00	0.71	0.00	0.00	2.19	1025.03	18	0.00	0.00	0.00	0.00	0.73	341.21
19	0.00	0.71	0.00	0.00	2.59	1023.15	19	0.00	0.00	0.00	0.00	0.86	340.35
20	0.00	0.71	0.00	0.00	2.86	1021.00	20	0.00	0.00	0.00	0.00	0.95	339.40
21	0.00	0.71	0.00	0.00	4.48	1017.23	21	0.00	0.00	0.00	0.00	1.49	337.91
22	0.00	0.71	0.00	0.00	4.48	1013.46	22	0.00	0.00	0.00	0.00	1.49	336.42
23	0.00	0.71	0.00	0.00	4.40	1009.77	23	0.00	0.00	0.00	0.00	1.46	334.96
24	0.00	0.71	0.00	0.00	4.49	1005.99	24	0.00	0.00	0.00	0.00	1.49	333.47
25	0.00	0.71	0.00	0.00	3.28	1003.42	25	0.00	0.00	0.00	0.00	1.09	332.38
26	0.00	0.47	0.00	0.00	2.30	1001.59	26	0.00	0.00	0.00	0.00	0.76	331.62
27	0.00	0.47	0.00	0.00	3.74	998.32	27	0.00	0.00	0.00	0.00	1.24	330.38
28	0.00	0.47	0.00	0.00	2.78	996.01	28	0.00	0.00	0.00	0.00	0.92	329.46
29	0.00	0.47	0.00	0.00	1.27	995.21	29	0.00	0.00	0.00	0.00	0.42	329.04
30	0.00	0.47	0.00	0.00	1.27	994.41	30	0.00	0.00	0.00	0.00	0.42	328.62
31	0.00	0.47	61.10	0.00	1.27	932.51	31	0.00	0.00	8.32	0.00	0.42	319.88
	0.00	27.42	61.10	0.00	96.91			0.00	0.00	8.32	0.00	32.35	

OffsetAccount-ReturnFlow						OffsetAccount-ReturnFlow							
Return Flow						Keesee Winter							
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						629.35							73.20
1	0.00	0.00	0.00	0.00	1.80	627.55	1	0.00	7.56	0.00	0.00	0.21	80.55
2	0.00	0.00	0.00	0.00	1.81	625.74	2	0.00	0.71	0.00	0.00	0.23	81.03
3	0.00	0.00	0.00	0.00	1.79	623.95	3	0.00	0.71	0.00	0.00	0.23	81.51
4	0.00	0.00	0.00	0.00	1.53	622.42	4	0.00	0.71	0.00	0.00	0.20	82.02
5	0.00	0.00	0.00	0.00	1.32	621.10	5	0.00	0.71	0.00	0.00	0.17	82.56
6	0.00	0.00	0.00	0.00	1.84	619.26	6	0.00	0.71	0.00	0.00	0.25	83.02
7	0.00	0.00	0.00	0.00	2.26	617.00	7	0.00	0.71	0.00	0.00	0.30	83.43
8	0.00	0.00	0.00	0.00	1.32	615.68	8	0.00	0.71	0.00	0.00	0.18	83.96
9	0.00	0.00	0.00	0.00	1.33	614.35	9	0.00	0.71	0.00	0.00	0.18	84.49
10	0.00	0.00	0.00	0.00	1.38	612.97	10	0.00	0.71	0.00	0.00	0.19	85.01
11	0.00	0.00	0.00	0.00	2.24	610.73	11	0.00	0.71	0.00	0.00	0.31	85.41
12	0.00	0.00	0.00	0.00	2.10	608.63	12	0.00	0.71	0.00	0.00	0.29	85.83
13	0.00	0.00	0.00	0.00	2.15	606.48	13	0.00	0.71	0.00	0.00	0.30	86.24
14	0.00	0.00	0.00	0.00	2.31	604.17	14	0.00	0.71	0.00	0.00	0.33	86.62
15	0.00	0.00	0.00	0.00	2.41	601.76	15	0.00	0.71	0.00	0.00	0.35	86.98
16	0.00	0.00	0.00	0.00	2.44	599.32	16	0.00	0.71	0.00	0.00	0.35	87.34
17	0.00	0.00	0.00	0.00	2.44	596.88	17	0.00	0.71	0.00	0.00	0.36	87.69
18	0.00	0.00	0.00	0.00	1.27	595.61	18	0.00	0.71	0.00	0.00	0.19	88.21
19	0.00	0.00	0.00	0.00	1.51	594.10	19	0.00	0.71	0.00	0.00	0.22	88.70
20	0.00	0.00	0.00	0.00	1.66	592.44	20	0.00	0.71	0.00	0.00	0.25	89.16
21	0.00	0.00	0.00	0.00	2.60	589.84	21	0.00	0.71	0.00	0.00	0.39	89.48
22	0.00	0.00	0.00	0.00	2.60	587.24	22	0.00	0.71	0.00	0.00	0.39	89.80
23	0.00	0.00	0.00	0.00	2.55	584.69	23	0.00	0.71	0.00	0.00	0.39	90.12
24	0.00	0.00	0.00	0.00	2.60	582.09	24	0.00	0.71	0.00	0.00	0.40	90.43
25	0.00	0.00	0.00	0.00	1.90	580.19	25	0.00	0.71	0.00	0.00	0.29	90.85
26	0.00	0.00	0.00	0.00	1.33	578.86	26	0.00	0.47	0.00	0.00	0.21	91.11
27	0.00	0.00	0.00	0.00	2.16	576.70	27	0.00	0.47	0.00	0.00	0.34	91.24
28	0.00	0.00	0.00	0.00	1.61	575.09	28	0.00	0.47	0.00	0.00	0.25	91.46
29	0.00	0.00	0.00	0.00	0.73	574.36	29	0.00	0.47	0.00	0.00	0.12	91.81
30	0.00	0.00	0.00	0.00	0.73	573.63	30	0.00	0.47	0.00	0.00	0.12	92.16
31	0.00	0.00	52.78	0.00	0.73	520.12	31	0.00	0.47	0.00	0.00	0.12	92.51
	0.00	0.00	52.78	0.00	56.45			0.00	27.42	0.00	0.00	8.11	



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>

November 11, 2003



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, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for September 2003

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, 2003.

Table 1 shows the amount of pumping during the month of September 2003 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.

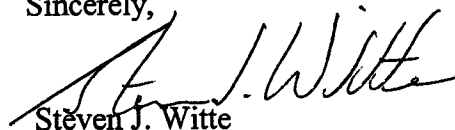
Table 3 shows the remaining stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements, which were not replaced by making replacements to senior surface water rights in Colorado. These stream depletions were computed using the wellhead depletions shown in Table 2 with the 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of September 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 642.57 acre-feet of fully consumable water into the Offset Account during September 2003. A portion of the Keese consumable water (26.59 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation.

As indicated in Table 3, 462.67 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 462.67 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 September 30, 2003, there was 11001.78 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Steve Sims
	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 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	838.78	356.82
2	BOOTH ORCHARD	8.23	5.86
3	EXCELSIOR	341.54	211.08
4	COLLIER	169.45	69.20
5	COLORADO	307.61	100.17
6	ROCKY FORD HIGHLINE	287.67	98.43
7	OXFORD	335.90	111.46
8	OTERO	100.04	30.24
9	CATLIN	1653.84	569.49
10	FORT LYON US	616.46	226.49
11	ROCKY FORD	47.35	15.41
12	HOLBROOK	678.95	205.01
13	LAS ANIMAS CONSOLIDATED	64.66	34.10
14	BALDWIN-STUBBS	837.51	418.75
15	FORT BENT	7.50	5.31
16	KEESE	0.14	0.10
17	AMITY	240.99	105.12
18	LAMAR/MANVEL	209.60	74.02
19	HYDE	10.50	3.15
20	FORT LYON DS	205.48	90.50
21	XY GRAHAM	166.17	83.49
22	BUFFALO	9.50	9.50
23	SISSON	83.86	83.86
24	STATELINE SOLE SOURCE	141.09	100.38
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	82.25	24.67
602	LAWMA A.P.D.	0.00	0.00
	Totals	7445.07	3032.61

Enclosure 1

John Martin Offset Accounting for September 2003

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
						11066.10							0.00							7093.38
1	11.43	8.53	8.53	0.00	15.00	11062.53	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	9.61	7083.77
2	11.48	0.42	0.42	0.00	25.04	11048.97	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	16.04	7067.73
3	17.10	0.63	0.63	0.00	15.02	11051.05	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	9.61	7058.12
4	16.90	0.63	0.63	0.00	35.10	11032.85	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	22.43	7035.69
5	16.90	0.63	0.63	0.00	25.08	11024.67	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	16.00	7019.69
6	16.90	0.63	0.63	0.00	25.09	11016.48	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	15.98	7003.71
7	16.90	0.63	0.63	0.00	23.61	11009.77	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	15.00	6988.71
8	16.90	0.63	0.63	0.00	26.13	11000.54	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	16.58	6972.13
9	29.71	0.63	0.63	0.00	18.61	11011.64	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	11.78	6960.35
10	41.93	0.63	0.63	0.00	26.71	11026.86	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	16.88	6943.47
11	42.04	0.63	0.63	0.00	21.70	11047.20	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	13.66	6929.81
12	41.73	0.63	0.63	0.00	21.75	11067.18	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	13.63	6916.18
13	33.84	0.63	0.63	0.00	21.78	11079.24	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	13.60	6902.58
14	26.83	0.63	0.63	0.00	20.81	11085.26	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	12.97	6889.61
15	22.78	0.63	0.63	0.00	29.97	11078.07	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	18.62	6870.99
16	21.56	0.63	0.63	0.00	26.94	11072.69	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	16.70	6854.28
17	20.21	0.63	0.63	0.00	40.73	11052.17	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	25.21	6829.08
18	19.25	0.63	0.63	0.00	18.85	11052.57	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	11.65	6817.43
19	17.70	0.63	0.63	0.00	21.95	11048.32	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	13.55	6803.88
20	17.77	0.63	0.63	0.00	21.95	11044.14	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	13.52	6790.36
21	19.74	0.63	0.63	0.00	21.98	11041.90	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	13.51	6776.85
22	19.82	0.63	0.63	0.00	17.36	11044.36	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	10.65	6766.20
23	19.03	0.63	0.63	0.00	31.83	11031.56	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	19.51	6746.69
24	18.11	0.63	0.63	0.00	23.26	11026.41	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	14.24	6732.45
25	17.69	0.63	0.63	0.00	27.56	11016.54	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	16.84	6715.61
26	17.73	0.63	0.63	0.00	24.57	11009.70	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	14.96	6700.65
27	17.78	0.63	0.63	0.00	24.21	11003.27	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	14.74	6685.91
28	17.58	0.63	0.63	0.00	22.78	10998.07	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	13.84	6672.07
29	17.58	0.63	0.63	0.00	24.53	10991.12	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	14.88	6657.19
30	17.65	0.63	0.63	0.00	6.99	11001.78	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	4.24	6652.95
642.57	26.59	26.59	0.00	706.89			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	440.43	

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
						10133.59							2583.97							456.24
1	11.43	0.00	8.53	0.00	13.73	10122.76	1	11.43	0.00	8.53	0.00	3.50	2583.37	1	0.00	0.00	0.00	0.00	0.62	455.62
2	11.48	0.00	0.42	0.00	22.91	10110.91	2	11.48	0.00	0.42	0.00	5.84	2588.59	2	0.00	0.00	0.00	0.00	1.03	454.59
3	17.10	0.00	0.63	0.00	13.75	10113.63	3	17.10	0.00	0.63	0.00	3.52	2601.54	3	0.00	0.00	0.00	0.00	0.62	453.97
4	16.90	0.00	0.63	0.00	32.13	10097.77	4	16.90	0.00	0.63	0.00	8.26	2609.55	4	0.00	0.00	0.00	0.00	1.44	452.53
5	16.90	0.00	0.63	0.00	22.96	10091.08	5	16.90	0.00	0.63	0.00	5.93	2619.89	5	0.00	0.00	0.00	0.00	1.03	451.50
6	16.90	0.00	0.63	0.00	22.97	10084.38	6	16.90	0.00	0.63	0.00	5.96	2630.20	6	0.00	0.00	0.00	0.00	1.03	450.47
7	16.90	0.00	0.63	0.00	21.61	10079.04	7	16.90	0.00	0.63	0.00	5.64	2640.83	7	0.00	0.00	0.00	0.00	0.97	449.50
8	16.90	0.00	0.63	0.00	23.92	10071.39	8	16.90	0.00	0.63	0.00	6.27	2650.83	8	0.00	0.00	0.00	0.00	1.07	448.43
9	29.71	0.00	0.63	0.00	17.03	10083.44	9	29.71	0.00	0.63	0.00	4.49	2675.42	9	0.00	0.00	0.00	0.00	0.76	447.67
10	41.93	0.00	0.63	0.00	24.46	10100.28	10	41.93	0.00	0.63	0.00	6.49	2710.23	10	0.00	0.00	0.00	0.00	1.09	445.58
11	42.04	0.00	0.63	0.00	19.87	10121.82	11	42.04	0.00	0.63	0.00	5.33	2746.31	11	0.00	0.00	0.00	0.00	0.88	445.70
12	41.73	0.00	0.63	0.00	19.92	10143.00	12	41.73	0.00	0.63	0.00	5.41	2782.00	12	0.00	0.00	0.00	0.00	0.88	444.82
13	33.84	0.00	0.63	0.00	19.96	10156.25	13	33.84	0.00	0.63	0.00	5.48	2809.73	13	0.00	0.00	0.00	0.00	0.88	443.94
14	26.83	0.00	0.63	0.00	19.08	10163.37	14	26.83	0.00	0.63	0.00	5.28	2830.65	14	0.00	0.00	0.00	0.00	0.83	443.11
15	22.78	0.00	0.63	0.00	27.47	10158.05	15	22.78	0.00	0.63	0.00	7.65	2845.15	15	0.00	0.00	0.00	0.00	1.20	441.91
16	21.56	0.00	0.63	0.00	24.70	10154.28	16	21.56	0.00	0.63	0.00	6.92	2859.16	16	0.00	0.00	0.00	0.00	1.08	440.83
17	20.21	0.00	0.63	0.00	37.35	10136.51	17	20.21	0.00	0.63	0.00	10.52	2868.22	17	0.00	0.00	0.00	0.00	1.62	439.21
18	19.25	0.00	0.63	0.00	17.29	10137.84	18	19.25	0.00	0.63	0.00	4.89	2881.95	18	0.00	0.00	0.00	0.00	0.75	438.46
19	17.70	0.00	0.63	0.00	20.14	10134.77	19	17.70	0.00	0.63	0.00	5.72	2893.30	19	0.00	0.00	0.00	0.00	0.87	437.59
20	17.77	0.00	0.63	0.00	20.14	10131.77	20	17.77	0.00	0.63	0.00	5.75	2904.69	20	0.00	0.00	0.00	0.00	0.87	436.72
21	19.74	0.00	0.63	0.00	20.16	10130.72	21	19.74	0.00	0.63	0.00	5.78	2918.02	21	0.00	0.00	0.00	0.00	0.87	435.85
22	19.82	0.00	0.63	0.00	15.93	10133.98	22	19.82	0.00	0.63	0.00	4.59	2932.62	22	0.00	0.00	0.00	0.00	0.69	435.16
23	19.03	0.00	0.63	0.00	29.21	10123.17	23	19.03	0.00	0.63	0.00	8.45	2942.57	23	0.00	0.00	0.00	0.00	1.25	433.91
24	18.11	0.00	0.63	0.00	21.35	10119.30	24	18.11	0.00	0.63	0.00	6.20	2953.85	24	0.00	0.00	0.00	0.00	0.91	433.00
25	17.69	0.00	0.63	0.00	25.30	10111.06	25	17.69	0.00	0.63	0.00	7.38	2963.53	25	0.00	0.00	0.00	0.00	1.08	431.92
26	17.73	0.00	0.63	0.00	22.54	10105.62	26	17.73	0.00	0.63	0.00	6.62	2974.01	26	0.00	0.00	0.00	0.00	0.96	430.96
27	17.78	0.00	0.63	0.00	22.23	10100.54	27	17.78	0.00	0.63	0.00	6.54	2984.62	27	0.00	0.00	0.00	0.00	0.95	430.01
28	17.58	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	8.53	0.00	0.00	1.27	932.51	1	0.00	0.00	0.00	0.00	0.43	319.88
2	0.00	0.42	0.00	0.00	2.13	938.06	2	0.00	0.00	0.00	0.00	0.72	318.73
3	0.00	0.63	0.00	0.00	1.27	937.42	3	0.00	0.00	0.00	0.00	0.43	318.30
4	0.00	0.63	0.00	0.00	2.97	935.08	4	0.00	0.00	0.00	0.00	1.01	317.29
5	0.00	0.63	0.00	0.00	2.12	933.59	5	0.00	0.00	0.00	0.00	0.72	316.57
6	0.00	0.63	0.00	0.00	2.12	932.10	6	0.00	0.00	0.00	0.00	0.72	315.85
7	0.00	0.63	0.00	0.00	2.00	930.73	7	0.00	0.00	0.00	0.00	0.68	315.17
8	0.00	0.63	0.00	0.00	2.21	929.15	8	0.00	0.00	0.00	0.00	0.75	314.42
9	0.00	0.63	0.00	0.00	1.58	928.20	9	0.00	0.00	0.00	0.00	0.53	313.89
10	0.00	0.63	0.00	0.00	2.25	926.58	10	0.00	0.00	0.00	0.00	0.76	313.13
11	0.00	0.63	0.00	0.00	1.83	925.38	11	0.00	0.00	0.00	0.00	0.62	312.51
12	0.00	0.63	0.00	0.00	1.83	924.18	12	0.00	0.00	0.00	0.00	0.62	311.89
13	0.00	0.63	0.00	0.00	1.82	922.99	13	0.00	0.00	0.00	0.00	0.61	311.28
14	0.00	0.63	0.00	0.00	1.73	921.89	14	0.00	0.00	0.00	0.00	0.58	310.70
15	0.00	0.63	0.00	0.00	2.50	920.02	15	0.00	0.00	0.00	0.00	0.84	309.86
16	0.00	0.63	0.00	0.00	2.24	918.41	16	0.00	0.00	0.00	0.00	0.75	309.11
17	0.00	0.63	0.00	0.00	3.38	915.66	17	0.00	0.00	0.00	0.00	1.14	307.97
18	0.00	0.63	0.00	0.00	1.56	914.73	18	0.00	0.00	0.00	0.00	0.53	307.44
19	0.00	0.63	0.00	0.00	1.81	913.55	19	0.00	0.00	0.00	0.00	0.61	306.83
20	0.00	0.63	0.00	0.00	1.81	912.37	20	0.00	0.00	0.00	0.00	0.61	306.22
21	0.00	0.63	0.00	0.00	1.82	911.18	21	0.00	0.00	0.00	0.00	0.61	305.61
22	0.00	0.63	0.00	0.00	1.43	910.38	22	0.00	0.00	0.00	0.00	0.48	305.13
23	0.00	0.63	0.00	0.00	2.62	908.39	23	0.00	0.00	0.00	0.00	0.88	304.25
24	0.00	0.63	0.00	0.00	1.91	907.11	24	0.00	0.00	0.00	0.00	0.64	303.61
25	0.00	0.63	0.00	0.00	2.26	905.48	25	0.00	0.00	0.00	0.00	0.76	302.85
26	0.00	0.63	0.00	0.00	2.03	904.08	26	0.00	0.00	0.00	0.00	0.68	302.17
27	0.00	0.63	0.00	0.00	1.98	902.73	27	0.00	0.00	0.00	0.00	0.66	301.51
28	0.00	0.63	0.00	0.00	1.87	901.49	28	0.00	0.00	0.00	0.00	0.62	300.89
29	0.00	0.63	0.00	0.00	2.01	900.11	29	0.00	0.00	0.00	0.00	0.67	300.22
30	0.00	0.63	0.00	0.00	0.57	900.17	30	0.00	0.00	0.00	0.00	0.19	300.03
	0.00	26.59	0.00	0.00	58.93			0.00	0.00	0.00	0.00	19.85	

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						520.12							92.51
1	0.00	0.00	0.00	0.00	0.71	519.41	1	0.00	8.53	0.00	0.00	0.13	100.91
2	0.00	0.00	0.00	0.00	1.18	518.23	2	0.00	0.42	0.00	0.00	0.23	101.10
3	0.00	0.00	0.00	0.00	0.70	517.53	3	0.00	0.63	0.00	0.00	0.14	101.59
4	0.00	0.00	0.00	0.00	1.64	515.89	4	0.00	0.63	0.00	0.00	0.32	101.90
5	0.00	0.00	0.00	0.00	1.17	514.72	5	0.00	0.63	0.00	0.00	0.23	102.30
6	0.00	0.00	0.00	0.00	1.17	513.55	6	0.00	0.63	0.00	0.00	0.23	102.70
7	0.00	0.00	0.00	0.00	1.10	512.45	7	0.00	0.63	0.00	0.00	0.22	103.11
8	0.00	0.00	0.00	0.00	1.22	511.23	8	0.00	0.63	0.00	0.00	0.24	103.50
9	0.00	0.00	0.00	0.00	0.87	510.36	9	0.00	0.63	0.00	0.00	0.18	103.95
10	0.00	0.00	0.00	0.00	1.24	509.12	10	0.00	0.63	0.00	0.00	0.25	104.33
11	0.00	0.00	0.00	0.00	1.00	508.12	11	0.00	0.63	0.00	0.00	0.21	104.75
12	0.00	0.00	0.00	0.00	1.00	507.12	12	0.00	0.63	0.00	0.00	0.21	105.17
13	0.00	0.00	0.00	0.00	1.00	506.12	13	0.00	0.63	0.00	0.00	0.21	105.59
14	0.00	0.00	0.00	0.00	0.95	505.17	14	0.00	0.63	0.00	0.00	0.20	106.02
15	0.00	0.00	0.00	0.00	1.37	503.80	15	0.00	0.63	0.00	0.00	0.29	106.36
16	0.00	0.00	0.00	0.00	1.23	502.57	16	0.00	0.63	0.00	0.00	0.26	106.73
17	0.00	0.00	0.00	0.00	1.85	500.72	17	0.00	0.63	0.00	0.00	0.39	106.97
18	0.00	0.00	0.00	0.00	0.85	499.87	18	0.00	0.63	0.00	0.00	0.18	107.42
19	0.00	0.00	0.00	0.00	0.99	498.88	19	0.00	0.63	0.00	0.00	0.21	107.84
20	0.00	0.00	0.00	0.00	0.99	497.89	20	0.00	0.63	0.00	0.00	0.21	108.26
21	0.00	0.00	0.00	0.00	0.99	496.90	21	0.00	0.63	0.00	0.00	0.22	108.67
22	0.00	0.00	0.00	0.00	0.78	496.12	22	0.00	0.63	0.00	0.00	0.17	109.13
23	0.00	0.00	0.00	0.00	1.43	494.69	23	0.00	0.63	0.00	0.00	0.31	109.45
24	0.00	0.00	0.00	0.00	1.04	493.65	24	0.00	0.63	0.00	0.00	0.23	109.85
25	0.00	0.00	0.00	0.00	1.23	492.42	25	0.00	0.63	0.00	0.00	0.27	110.21
26	0.00	0.00	0.00	0.00	1.10	491.32	26	0.00	0.63	0.00	0.00	0.25	110.59
27	0.00	0.00	0.00	0.00	1.08	490.24	27	0.00	0.63	0.00	0.00	0.24	110.98
28	0.00	0.00	0.00	0.00	1.02	489.22	28	0.00	0.63	0.00	0.00	0.23	111.38
29	0.00	0.00	0.00	0.00	1.09	488.13	29	0.00	0.63	0.00	0.00	0.25	111.76
30	0.00	0.00	0.00	0.00	0.31	487.82	30	0.00	0.63	0.00	0.00	0.07	112.32
	0.00	0.00	0.00	0.00	32.30			0.00	26.59	0.00	0.00	6.78	



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 21, 2003



Bill Owens
Governor

Greg E. Walcher
Executive Director

Hal D. Simpson, P.E.
State Engineer

Steven J. Witte, P.E.
Division Engineer

<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

Ms. Jan Anderson
Recording Secretary
Arkansas River Compact Administration
P.O. Box 1600, 112 West Elm Street
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for October 2003

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, 2003.

Table 1 shows the amount of pumping during the month of October 2003 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 that were made during the month.

A delivery of water to the Offset Account was continued during the month of October 2003 by LAWMA using consumptive use credits from their ownership in the Highland Canal and through a lease of water from the Keese Ditch. The combined delivery netted 464.79 acre-feet of fully consumable water into the Offset Account during October 2003. A portion of the Keese consumable water (30.25 AF) was delivered to the Keese Winter subaccount of the Offset Account for maintaining the winter return flow obligation from the use of the Keese water right for augmentation.

As indicated in Table 3, 390.17 acre-feet of fully consumable water has been made available to Kansas under the provisions of paragraph 5B of the Resolution. Under those provisions, 390.17 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 October 31, 2003, there was 10881.71 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:	Kevin Salter	Robin Jennison	John Draper	Monique Morey
	Randy Hayzlett	Dale Book	David A. Brenn	Steve Sims
	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 2003

USER NO.	DITCH NAME	AF PUMPED	WELLHEAD DEPL
1	BESSEMER	1000.29	451.55
2	BOOTH ORCHARD	4.80	3.31
3	EXCELSIOR	425.81	292.57
4	COLLIER	119.21	59.61
5	COLORADO	269.93	110.83
6	ROCKY FORD HIGHLINE	351.05	118.41
7	OXFORD	205.95	70.54
8	OTERO	67.47	20.29
9	CATLIN	1898.06	671.31
10	FORT LYON US	456.16	175.05
11	ROCKY FORD	61.66	25.16
12	HOLBROOK	214.96	64.49
13	LAS ANIMAS CONSOLIDATED	66.92	31.66
14	BALDWIN-STUBBS	384.41	195.78
15	FORT BENT	4.76	3.13
16	KEESE	0.00	0.00
17	AMITY	221.65	94.24
18	LAMAR/MANVEL	340.56	109.97
19	HYDE	0.00	0.00
20	FORT LYON DS	124.87	53.94
21	XY GRAHAM	74.40	23.96
22	BUFFALO	32.25	14.39
23	SISSON	0.02	0.02
24	STATELINE SOLE SOURCE	34.43	24.01
600	LAWMA A.P.D.	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	6359.62	2614.22

Enclosure 1

John Martin Offset Accounting for October 2003

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
						11001.78							0.00							6652.95
1	15.29	7.33	7.33	0.00	14.54	11002.53	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	8.79	6644.16
2	15.18	0.55	0.55	0.00	10.25	11007.46	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	6.19	6637.97
3	15.21	0.55	0.55	0.00	15.65	11007.02	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	9.44	6628.53
4	15.24	0.55	0.55	0.00	15.66	11006.60	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	9.44	6619.09
5	15.21	0.55	0.55	0.00	16.19	11005.62	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	9.73	6609.36
6	14.78	0.55	0.55	0.00	23.24	10997.16	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	13.95	6595.41
7	14.78	49.58	49.58	0.00	12.44	10999.50	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	49.03	0.00	0.00	7.45	6636.99
8	14.78	0.55	0.55	0.00	16.77	10997.51	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	10.11	6626.88
9	14.78	0.55	0.55	0.00	29.27	10983.02	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	17.64	6609.24
10	14.78	0.55	0.55	0.00	23.90	10973.90	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	14.39	6594.85
11	14.78	0.55	0.55	0.00	23.94	10964.74	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	14.38	6580.47
12	14.78	0.55	0.55	0.00	23.99	10955.53	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	14.40	6566.07
13	14.78	0.55	0.55	0.00	24.57	10945.74	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	14.73	6551.34
14	14.78	0.55	0.55	0.00	25.14	10935.38	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	15.04	6539.30
15	14.78	0.55	0.55	0.00	20.84	10929.32	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	12.46	6523.84
16	14.78	0.55	0.55	0.00	20.32	10923.78	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	12.13	6511.71
17	14.78	0.55	0.55	0.00	17.62	10920.94	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	10.51	6501.20
18	14.78	0.55	0.55	0.00	17.65	10918.07	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	10.51	6490.69
19	14.78	0.55	0.55	0.00	16.59	10916.26	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	9.87	6480.82
20	14.78	0.55	0.55	0.00	29.89	10901.15	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	17.75	6463.07
21	14.78	0.55	0.55	18.14	22.17	10875.62	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	13.13	6449.94
22	15.24	0.55	0.55	0.00	17.21	10873.65	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	10.20	6439.74
23	15.26	0.55	0.55	0.00	20.03	10868.88	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	11.86	6427.88
24	15.30	0.55	0.55	0.00	16.76	10867.42	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	9.93	6417.95
25	15.18	0.55	0.55	0.00	16.22	10866.38	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	9.58	6408.37
26	15.07	0.55	0.55	0.00	15.67	10865.78	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	9.25	6399.12
27	15.19	0.55	0.55	0.00	11.20	10869.77	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	6.59	6392.53
28	15.25	0.55	0.55	0.00	9.00	10876.02	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	5.29	6387.24
29	15.24	0.55	0.55	0.00	29.29	10861.97	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	17.20	6370.04
30	15.25	0.55	0.55	0.00	4.51	10872.71	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	2.64	6367.40
31	15.20	49.54	49.54	0.00	6.20	10881.71	31	0.00	0.00	0.00	0.00	0.00	0.00	31	0.00	42.57	0.00	0.00	3.63	6406.34
464.79	121.85	121.85	18.14	566.72			0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.60	0.00	0.00	338.21			

OffsetAccount-Consumable

OffsetAccount-Consumable

OffsetAccount-Consumable

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
						10101.61							3020.77							427.89
1	15.29	0.00	7.33	0.00	13.35	10096.22	1	15.29	0.00	7.33	0.00	3.99	3024.74	1	0.00	0.00	0.00	0.00	0.57	427.32
2	15.18	0.00	0.55	0.00	9.41	10101.44	2	15.18	0.00	0.55	0.00	2.82	3036.55	2	0.00	0.00	0.00	0.00	0.40	426.92
3	15.21	0.00	0.55	0.00	14.36	10101.74	3	15.21	0.00	0.55	0.00	4.31	3046.90	3	0.00	0.00	0.00	0.00	0.61	426.31
4	15.24	0.00	0.55	0.00	14.38	10102.05	4	15.24	0.00	0.55	0.00	4.33	3057.26	4	0.00	0.00	0.00	0.00	0.61	425.70
5	15.21	0.00	0.55	0.00	14.86	10101.85	5	15.21	0.00	0.55	0.00	4.50	3067.42	5	0.00	0.00	0.00	0.00	0.63	425.07
6	14.78	0.00	0.55	0.00	21.33	10094.75	6	14.78	0.00	0.55	0.00	6.48	3075.17	6	0.00	0.00	0.00	0.00	0.90	424.17
7	14.78	49.03	0.55	0.00	11.41	10146.60	7	14.78	0.00	0.55	0.00	3.48	3085.92	7	0.00	0.00	0.00	0.00	0.48	423.69
8	14.78	0.00	0.55	0.00	15.47	10145.36	8	14.78	0.00	0.55	0.00	4.71	3095.44	8	0.00	0.00	0.00	0.00	0.65	423.04
9	14.78	0.00	0.55	0.00	27.01	10132.58	9	14.78	0.00	0.55	0.00	8.24	3101.43	9	0.00	0.00	0.00	0.00	1.13	421.91
10	14.78	0.00	0.55	0.00	22.05	10124.76	10	14.78	0.00	0.55	0.00	6.74	3108.92	10	0.00	0.00	0.00	0.00	0.92	420.99
11	14.78	0.00	0.55	0.00	22.08	10116.91	11	14.78	0.00	0.55	0.00	6.78	3116.37	11	0.00	0.00	0.00	0.00	0.92	420.07
12	14.78	0.00	0.55	0.00	22.13	10109.01	12	14.78	0.00	0.55	0.00	6.81	3123.79	12	0.00	0.00	0.00	0.00	0.92	419.15
13	14.78	0.00	0.55	0.00	22.67	10100.57	13	14.78	0.00	0.55	0.00	7.00	3131.02	13	0.00	0.00	0.00	0.00	0.94	418.21
14	14.78	0.00	0.55	0.00	23.20	10091.60	14	14.78	0.00	0.55	0.00	7.20	3138.05	14	0.00	0.00	0.00	0.00	0.96	417.25
15	14.78	0.00	0.55	0.00	19.23	10086.60	15	14.78	0.00	0.55	0.00	5.98	3146.30	15	0.00	0.00	0.00	0.00	0.79	416.46
16	14.78	0.00	0.55	0.00	18.75	10082.08	16	14.78	0.00	0.55	0.00	5.85	3154.68	16	0.00	0.00	0.00	0.00	0.77	415.69
17	14.78	0.00	0.55	0.00	16.26	10080.05	17	14.78	0.00	0.55	0.00	5.08	3163.83	17	0.00	0.00	0.00	0.00	0.67	415.02
18	14.78	0.00	0.55	0.00	16.29	10077.99	18	14.78	0.00	0.55	0.00	5.11	3172.95	18	0.00	0.00	0.00	0.00	0.67	414.35
19	14.78	0.00	0.55	0.00	15.32	10076.90	19	14.78	0.00	0.55	0.00	4.82	3182.36	19	0.00	0.00	0.00	0.00	0.63	413.72
20	14.78	0.00	0.55	0.00	27.59	10063.54	20	14.78	0.00	0.55	0.00	8.71	3187.88	20	0.00	0.00	0.00	0.00	1.13	412.59
21	14.78	0.00	0.55	18.14	20.46	10039.17	21	14.78	0.00	0.55	18.14	6.49	3177.48	21	0.00	0.00	0.00	0.00	0.84	411.75
22	15.24	0.00	0.55	0.00	15.88	10037.98	22	15.24	0.00	0.55	0.00	5.03	3187.14	22	0.00	0.00	0.00	0.00	0.65	411.10
23	15.26	0.00	0.55	0.00	18.49	10034.20	23	15.26	0.00	0.55	0.00	5.87	3195.98	23	0.00	0.00	0.00	0.00	0.76	410.34
24	15.30	0.00	0.55	0.00	15.48	10033.47	24	15.30	0.00	0.55	0.00	4.92	3205.81	24	0.00	0.00	0.00	0.00	0.63	409.71
25	15.18	0.00	0.55	0.00	14.97	10033.13	25	15.18	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	7.33	0.00	0.00	1.19	900.17	1	0.00	0.00	0.00	0.00	0.40	300.03
2	0.00	0.55	0.00	0.00	0.84	906.02	2	0.00	0.00	0.00	0.00	0.28	299.63
3	0.00	0.55	0.00	0.00	1.29	905.28	3	0.00	0.00	0.00	0.00	0.43	298.92
4	0.00	0.55	0.00	0.00	1.28	904.55	4	0.00	0.00	0.00	0.00	0.42	298.50
5	0.00	0.55	0.00	0.00	1.33	903.77	5	0.00	0.00	0.00	0.00	0.44	298.06
6	0.00	0.55	0.00	0.00	1.91	902.41	6	0.00	0.00	0.00	0.00	0.63	297.43
7	0.00	0.55	49.03	0.00	1.03	852.90	7	0.00	0.00	6.84	0.00	0.34	290.25
8	0.00	0.55	0.00	0.00	1.30	852.15	8	0.00	0.00	0.00	0.00	0.44	289.81
9	0.00	0.55	0.00	0.00	2.26	850.44	9	0.00	0.00	0.00	0.00	0.77	289.04
10	0.00	0.55	0.00	0.00	1.85	849.14	10	0.00	0.00	0.00	0.00	0.63	288.41
11	0.00	0.55	0.00	0.00	1.86	847.83	11	0.00	0.00	0.00	0.00	0.63	287.78
12	0.00	0.55	0.00	0.00	1.86	846.52	12	0.00	0.00	0.00	0.00	0.63	287.15
13	0.00	0.55	0.00	0.00	1.90	845.17	13	0.00	0.00	0.00	0.00	0.64	286.51
14	0.00	0.55	0.00	0.00	1.94	843.78	14	0.00	0.00	0.00	0.00	0.66	285.85
15	0.00	0.55	0.00	0.00	1.61	842.72	15	0.00	0.00	0.00	0.00	0.54	285.31
16	0.00	0.55	0.00	0.00	1.57	841.70	16	0.00	0.00	0.00	0.00	0.53	284.78
17	0.00	0.55	0.00	0.00	1.36	840.89	17	0.00	0.00	0.00	0.00	0.46	284.32
18	0.00	0.55	0.00	0.00	1.36	840.08	18	0.00	0.00	0.00	0.00	0.46	283.86
19	0.00	0.55	0.00	0.00	1.27	839.36	19	0.00	0.00	0.00	0.00	0.43	283.43
20	0.00	0.55	0.00	0.00	2.30	837.61	20	0.00	0.00	0.00	0.00	0.78	282.65
21	0.00	0.55	0.00	0.00	1.71	836.45	21	0.00	0.00	0.00	0.00	0.58	282.07
22	0.00	0.55	0.00	0.00	1.33	835.67	22	0.00	0.00	0.00	0.00	0.45	281.62
23	0.00	0.55	0.00	0.00	1.54	834.68	23	0.00	0.00	0.00	0.00	0.52	281.10
24	0.00	0.55	0.00	0.00	1.28	833.95	24	0.00	0.00	0.00	0.00	0.43	280.67
25	0.00	0.55	0.00	0.00	1.25	833.25	25	0.00	0.00	0.00	0.00	0.42	280.25
26	0.00	0.55	0.00	0.00	1.19	832.61	26	0.00	0.00	0.00	0.00	0.40	279.85
27	0.00	0.55	0.00	0.00	0.86	832.30	27	0.00	0.00	0.00	0.00	0.29	279.56
28	0.00	0.55	0.00	0.00	0.69	832.16	28	0.00	0.00	0.00	0.00	0.23	279.33
29	0.00	0.55	0.00	0.00	2.24	830.47	29	0.00	0.00	0.00	0.00	0.75	278.58
30	0.00	0.55	0.00	0.00	0.35	830.67	30	0.00	0.00	0.00	0.00	0.12	278.46
31	0.00	6.97	42.57	0.00	0.47	794.60	31	0.00	0.00	6.04	0.00	0.16	272.26
0.00 30.25 91.60 0.00 44.22							0.00 0.00 12.88 0.00 14.89						

OffsetAccount-ReturnFlow Return Flow							OffsetAccount-ReturnFlow Keesee Winter						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
1	0.00	0.00	0.00	0.00	0.64	487.82	1	0.00	7.33	0.00	0.00	0.15	112.32
2	0.00	0.00	0.00	0.00	0.45	487.18	2	0.00	0.55	0.00	0.00	0.11	119.50
3	0.00	0.00	0.00	0.00	0.69	486.73	3	0.00	0.55	0.00	0.00	0.17	119.94
4	0.00	0.00	0.00	0.00	0.69	486.04	4	0.00	0.55	0.00	0.00	0.17	120.32
5	0.00	0.00	0.00	0.00	0.71	485.35	5	0.00	0.55	0.00	0.00	0.18	120.70
6	0.00	0.00	0.00	0.00	1.02	484.64	6	0.00	0.55	0.00	0.00	0.26	121.07
7	0.00	0.00	42.19	0.00	0.55	483.62	7	0.00	0.55	0.00	0.00	0.14	121.36
8	0.00	0.00	0.00	0.00	0.67	440.88	8	0.00	0.55	0.00	0.00	0.19	121.77
9	0.00	0.00	0.00	0.00	1.17	440.21	9	0.00	0.55	0.00	0.00	0.32	122.13
10	0.00	0.00	0.00	0.00	0.95	439.04	10	0.00	0.55	0.00	0.00	0.27	122.36
11	0.00	0.00	0.00	0.00	0.96	438.09	11	0.00	0.55	0.00	0.00	0.27	122.64
12	0.00	0.00	0.00	0.00	0.96	437.13	12	0.00	0.55	0.00	0.00	0.27	122.92
13	0.00	0.00	0.00	0.00	0.98	436.17	13	0.00	0.55	0.00	0.00	0.28	123.20
14	0.00	0.00	0.00	0.00	1.00	435.19	14	0.00	0.55	0.00	0.00	0.28	123.47
15	0.00	0.00	0.00	0.00	0.83	434.19	15	0.00	0.55	0.00	0.00	0.24	123.74
16	0.00	0.00	0.00	0.00	0.81	433.36	16	0.00	0.55	0.00	0.00	0.23	124.05
17	0.00	0.00	0.00	0.00	0.70	432.55	17	0.00	0.55	0.00	0.00	0.20	124.37
18	0.00	0.00	0.00	0.00	0.70	431.85	18	0.00	0.55	0.00	0.00	0.20	124.72
19	0.00	0.00	0.00	0.00	0.65	431.15	19	0.00	0.55	0.00	0.00	0.19	125.07
20	0.00	0.00	0.00	0.00	1.18	430.50	20	0.00	0.55	0.00	0.00	0.34	125.43
21	0.00	0.00	0.00	0.00	0.87	429.32	21	0.00	0.55	0.00	0.00	0.26	125.64
22	0.00	0.00	0.00	0.00	0.68	428.45	22	0.00	0.55	0.00	0.00	0.20	125.93
23	0.00	0.00	0.00	0.00	0.79	427.77	23	0.00	0.55	0.00	0.00	0.23	126.28
24	0.00	0.00	0.00	0.00	0.66	426.98	24	0.00	0.55	0.00	0.00	0.19	126.60
25	0.00	0.00	0.00	0.00	0.64	426.32	25	0.00	0.55	0.00	0.00	0.19	126.96
26	0.00	0.00	0.00	0.00	0.61	425.68	26	0.00	0.55	0.00	0.00	0.18	127.32
27	0.00	0.00	0.00	0.00	0.44	425.07	27	0.00	0.55	0.00	0.00	0.13	127.69
28	0.00	0.00	0.00	0.00	0.35	424.63	28	0.00	0.55	0.00	0.00	0.11	128.11
29	0.00	0.00	0.00	0.00	1.14	424.28	29	0.00	0.55	0.00	0.00	0.35	128.55
30	0.00	0.00	0.00	0.00	0.18	423.14	30	0.00	0.55	0.00	0.00	0.05	128.75
31	0.00	0.00	36.53	0.00	0.24	422.96	31	0.00	6.97	0.00	0.00	0.07	129.25
0.00 0.00 78.72 0.00 22.91							0.00 30.25 0.00 0.00 6.42						