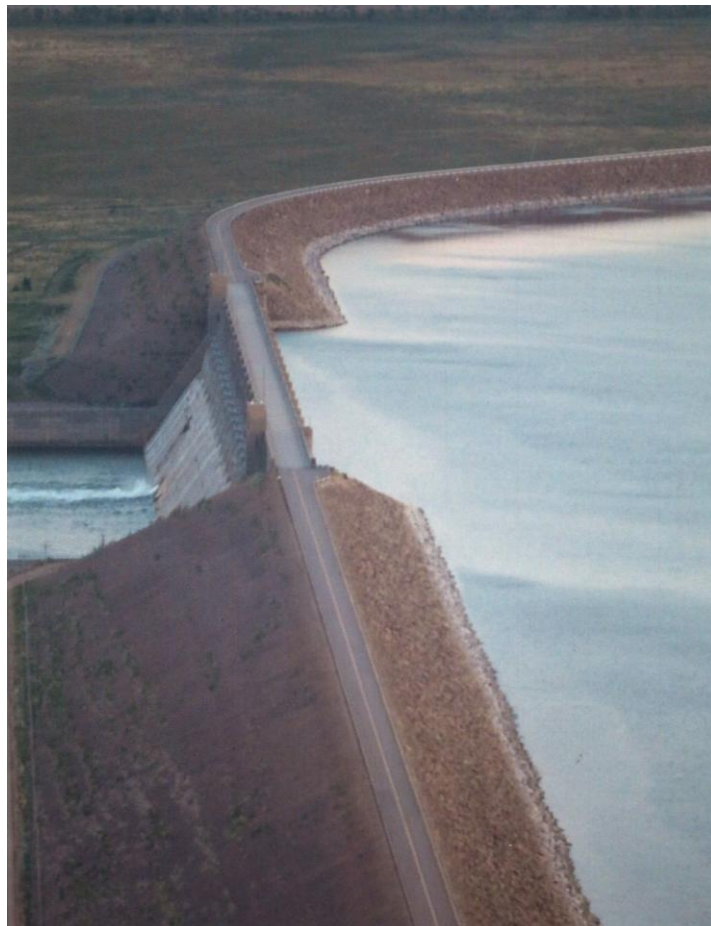


# Report of the Colorado State Engineer Concerning Accounting of the Operations of an Offset Account in John Martin Reservoir for Colorado Pumping 2015



**COLORADO**

Department of Natural Resources



Submitted to the  
Engineering and Operations Committees  
Arkansas River Compact Administration

**December 1, 2015**  
**Report of the Colorado State Engineer**  
**Offset Account Operations**  
**November 1, 2014 to October 31, 2015**

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, 2014 through October 31, 2015 and has been prepared pursuant to paragraph 11 of the Amended Resolution.

At 0000 hours, November 1, 2014 the Offset Account contained 1102.67 acre-feet. From November 1, 2014 through October 31, 2015 there were deliveries to the Offset Account as summarized below. There was one release from the Offset Account for delivery to Kansas during this period. The Lower Arkansas Water Management Association pre-delivered fully consumable water to satisfy a portion of the 500 acre-foot Storage Charge prerequisite for using the account for another year. The correspondence describing this delivery is 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, 2014 through October 31, 2015, there were seven deliveries of water to the Offset Account. The initial storage charge (500 acre-feet) was accomplished by LAWMA with deliveries in the summer of 2014. The seven deliveries are summarized in the following table.

Source	Delivery Start Date	Delivery End Date	Amount to Offset Account (ac-ft)	Net Consumable Water (ac-ft)	Net Return Flow Water (ac-ft)
LAWMA (Colo Spgs Utilities)	March 23, 2015	April 2, 2015	1502.85	1502.85	0.00
LAWMA (Article II)	April 13, 2015	April 13, 2015	19.20	16.70	2.50
LAWMA (Colo Spgs Utilities)	May 21, 2015	May 22, 2015	1861.39	1861.39	0.00
LAWMA (Colo Spgs Utilities)	May 24, 2015	May 24, 2015	935.35	935.35	0.00
LAWMA (PBWW/CSU)	June 5, 2015	June 10, 2015	886.12	886.12	0.00
LAWMA (Highland)	May 28, 2015	October 5, 2015	6117.82	6117.82	0.00
LAWMA (Keesee)	April 14, 2015	October 31, 2015	253.14	253.14	0.00
<b>TOTALS</b>			<b>11575.87</b>	<b>11573.37</b>	<b>2.50</b>

During the period referred to above, there was one release of water from the Offset Account requested by the Kansas Chief Engineer. Offset Account water was released from June 6, 2015 through June 12, 2015 and is summarized as follows:

Summary of Release (June 6, 2015 – June 12, 2015)  
(From Calculations per Offset Agreement)

Release from Kansas Storage Charge subaccount = 452.84 acre-feet

Release from Kansas Consumable Water subaccount = 0.00 acre-feet

Release from Colorado Upstream/Downstream Consumable Water subaccounts = 4503.51 acre-feet

Release from Return Flow/Return Flow Transit Loss subaccounts = 2.4 acre-feet

Total quantity released = 4958.75 acre-feet

Credit for Colorado Consumptive Use Water

$0.5984 \times 4503.51$  (Consumptive Use Water) = 2695 acre-feet credit

Credit determined using the Muskingum routing method pursuant to the **Agreement Concerning the Offset Account in John Martin Reservoir for Colorado Pumping, Determination of Credits for Delivery of Water Released for Colorado Pumping, and Related Matters, September 29, 2005**.

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, 2015 the Offset Account contained 6682.89 acre-feet.

The Colorado State Engineer and the Kansas Chief Engineer have coordinated Offset Account operations successfully through their respective delegates throughout the year.



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Steven J. Witte for  
Colorado State Engineer

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December 1, 2015

# INDEX

## Report of the Colorado State Engineer – Offset Account Operations

### **Section 1**

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#### Offset Account Monthly Summary Tables

Table 1 (Offset Account Totals)

Tables A (Consumable Water) and B (Total Return Flow Water)

Tables A.1 (Colorado Upstream Consumable) and A.2 (Colorado Downstream Consumable)

Tables A.3 (Kansas Consumable) and A.4 (Kansas Storage Charge)

Tables B.1 (Return Flow) and B.2 (Return Flow Transit Loss)

### **Section 2**

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#### Daily Accounting Records by Month for Offset Account and Subaccounts

### **Section 3**

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#### Correspondence on Deliveries to and Releases from the Offset Account

- March 20, 2015 letter to Kevin Salter regarding the Initial Notice of Offset Account Delivery for the LAWMA delivery of Colorado Springs Utilities water.
- April 13, 2015 letter to Kevin Salter regarding Initial Notice of Offset Account Transfer for LAWMA Keesee Section II water.
- April 13, 2015 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the Keesee Ditch consumable water.
- May 22, 2015 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Colorado Springs Utilities water.
- June 2, 2015 letter to Kevin Salter regarding the Initial Notice of Offset Account Delivery for the Highland Canal consumable water.
- June 2, 2015 letter to Kevin Salter regarding Initial Notice of Offset Account Delivery for the LAWMA delivery of Colorado Springs Utilities/Pueblo Board of Water Works water.
- August 25, 2015 letter to David Barfield regarding LAWMA delivery and transfers in March, April, May and June.
- October 7, 2015 letter to David Barfield regarding the August release of water from the Offset Account.
- November 18, 2015 letter to David Barfield regarding accounting summary for delivery of LAWMA's Keesee Ditch consumptive use water to the Offset Account for April – October 2015.
- November 23, 2015 letter to David Barfield regarding accounting summary for delivery of LAWMA's Highland Canal consumptive use water to the Offset Account for April – October 2015.

## Section 4

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### Monthly Reports of Colorado Pumping and Offset Account Operations

- March 2, 2015 letter to David Barfield and Stephanie Gonzales- November 2014 Report revised
- March 2, 2015 letter to David Barfield and Stephanie Gonzales- December 2014 Report revised
- May 1, 2015 letter to David Barfield and Stephanie Gonzales- January 2015 Report revised
- May 1, 2015, 2015 letter to David Barfield and Stephanie Gonzales- February 2015 Report revised
- August 26, 2015 letter to David Barfield and Stephanie Gonzales – March 2015 Report revised
- August 26, 2015 letter to David Barfield and Stephanie Gonzales – April 2015 Report revised
- August 26, 2015 letter to David Barfield and Stephanie Gonzales – May 2015 Report revised
- November 17, 2015 letter to David Barfield and Stephanie Gonzales – June 2015 Report revised
- November 17, 2015 letter to David Barfield and Stephanie Gonzales – July 2015 Report revised
- November 17, 2015 letter to David Barfield and Stephanie Gonzales – August 2015 Report revised
- November 17, 2015 letter to David Barfield and Stephanie Gonzales – September 2015 Report revised
- November 30, 2015 letter to David Barfield and Stephanie Gonzales – October 2015 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.

**JOHN MARTIN RESERVOIR**

**TABLE 1  
OFFSET ACCOUNT**

WATER YEAR	CONTENTS	PHYSICAL	ACCOUNT	ACCOUNT		ACCOUNT	ACCOUNT	PHYSICAL	CONTENTS
2015	BEGINNING OF	INFLOW	TRANSFER-IN	TRANSFER-IN	EVAPORATION	TRANSFER-OUT	TRANSFER-OUT	RELEASE	END OF
			(Non-Offset)	(Internal-Offset)		(Internal-Offset)			
MONTH	MONTH A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	MONTH A.F.
NOVEMBER	1102.67				27.75				1074.92
DECEMBER	1074.92				14.93				1059.99
JANUARY	1059.99				0.65				1059.34
FEBRUARY	1059.34				19.41				1039.93
MARCH	1039.93	1223.96	0.00		37.43				2226.46
APRIL	2226.46	449.57	19.20		94.74				2600.49
MAY	2600.49	4500.35	0.00		102.89				6997.95
JUNE	6997.95	2664.82			133.10			4958.75	4570.92
JULY	4570.92	1594.12			142.04				6023.00
AUGUST	6023.00	1053.24	0.00		163.18				6913.06
SEPTEMBER	6913.06	66.93			177.16				6802.83
OCTOBER	6802.83	3.71			123.65				6682.89
<b>TOTALS</b>		11556.70	19.20	0.00	1036.93		0.00	4958.75	



**OFFSET ACCOUNT**

**TABLE A  
CONSUMABLE WATER**

WATER YEAR 2015	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	1102.67			27.75			1074.92
DECEMBER	1074.92			14.93			1059.99
JANUARY	1059.99			0.65			1059.34
FEBRUARY	1059.34			19.41			1039.93
MARCH	1039.93	1223.96		37.43			2226.46
APRIL	2226.46	449.57	16.70	94.74			2597.99
MAY	2597.99	4500.35		102.89			6995.45
JUNE	6995.45	2664.82		133.10		4956.35	4570.82
JULY	4570.82	1594.12		142.04			6022.90
AUGUST	6022.90	1053.24		163.18			6912.96
SEPTEMBER	6912.96	66.93		177.16			6802.73
OCTOBER	6802.73	3.71		123.65			6682.79
TOTALS		11556.70	16.70	1036.93	0.00	4956.35	

**TABLE B  
RETURN FLOW WATER WITH TRANSIT LOSS**

WATER YEAR 2015	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
DECEMBER	0.00			0.00			0.00
JANUARY	0.00			0.00			0.00
FEBRUARY	0.00			0.00			0.00
MARCH	0.00			0.00			0.00
APRIL	0.00		2.50	0.00			2.50
MAY	2.50			0.00		2.40	0.10
JUNE	0.10			0.00			0.10
JULY	0.10			0.00			0.10
AUGUST	0.10			0.00		0.00	0.10
SEPTEMBER	0.10			0.00			0.10
OCTOBER	0.10			0.00			0.10
TOTALS		0.00	2.50	0.00	0.00	2.40	

**OFFSET ACCOUNT**

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

WATER YEAR 2015	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
DECEMBER	0.00						0.00
JANUARY	0.00						0.00
FEBRUARY	0.00						0.00
MARCH	0.00						0.00
APRIL	0.00						0.00
MAY	0.00						0.00
JUNE	0.00						0.00
JULY	0.00						0.00
AUGUST	0.00						0.00
SEPTEMBER	0.00						0.00
OCTOBER	0.00						0.00
TOTALS		0.00	0.00	0.00	0.00	0.00	

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

WATER YEAR 2015	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	569.31			14.32			554.99
DECEMBER	554.99			7.69			547.30
JANUARY	547.30			0.33			546.97
FEBRUARY	546.97			10.02			536.95
MARCH	536.95	1223.96		21.82			1739.09
APRIL	1739.09	449.57	16.70	76.55			2128.81
MAY	2128.81	4500.35		88.87			6540.29
JUNE	6540.29	2664.82		130.78		4503.51	4570.82
JULY	4570.82	1594.12		142.04			6022.90
AUGUST	6022.90	1053.24		163.18			6912.96
SEPTEMBER	6912.96	66.93		177.16			6802.73
OCTOBER	6802.73	3.71		123.65			6682.79
TOTALS		11556.70	16.70	956.41	0.00	4503.51	

**OFFSET ACCOUNT**

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

WATER YEAR 2015	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN Consumptive A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT Consumptive A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	0.00						0.00
DECEMBER	0.00						0.00
JANUARY	0.00						0.00
FEBRUARY	0.00						0.00
MARCH*	0.00						0.00
APRIL	0.00						0.00
MAY	0.00						0.00
JUNE	0.00						0.00
JULY	0.00						0.00
AUGUST	0.00						0.00
SEPTEMBER	0.00						0.00
OCTOBER	0.00						0.00
<b>TOTALS</b>		0.00	0.00	0.00	0.00	0.00	

\* Note: Erroneous daily entry to this subaccount corrected on March 31, 2013 by transferring to Kansas Charge subaccount.

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

WATER YEAR 2015	CONTENTS BEGINNING OF MONTH A.F.	PHYSICAL INFLOW A.F.	ACCOUNT TRANSFER-IN Consumptive A.F.	EVAPORATION A.F.	ACCOUNT TRANSFER-OUT Consumptive A.F.	PHYSICAL RELEASE A.F.	CONTENTS END OF MONTH A.F.
NOVEMBER	533.36			13.43			519.93
DECEMBER	519.93			7.24			512.69
JANUARY	512.69			0.32			512.37
FEBRUARY	512.37			9.39			502.98
MARCH	502.98			15.61			487.37
APRIL	487.37			18.19			469.18
MAY	469.18			14.02			455.16
JUNE	455.16			2.32		452.84	0.00
JULY	0.00			0.00			0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
<b>TOTALS</b>		0.00	0.00	80.52	0.00	452.84	

**OFFSET ACCOUNT**

**TABLE B.1  
RETURN FLOW**

WATER YEAR 2015	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
DECEMBER	0.00			0.00			0.00
JANUARY	0.00			0.00			0.00
FEBRUARY	0.00			0.00			0.00
MARCH	0.00			0.00			0.00
APRIL	0.00		2.40	0.00			2.40
MAY	2.40			0.00			2.40
JUNE	2.40			0.00		2.40	0.00
JULY	0.00			0.00			0.00
AUGUST	0.00			0.00			0.00
SEPTEMBER	0.00			0.00			0.00
OCTOBER	0.00			0.00			0.00
TOTALS		0.00	2.40	0.00	0.00	2.40	

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

WATER YEAR 2015	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
DECEMBER	0.00			0.00			0.00
JANUARY	0.00			0.00			0.00
FEBRUARY	0.00			0.00			0.00
MARCH	0.00			0.00			0.00
APRIL	0.00		0.10	0.00			0.10
MAY	0.10			0.00			0.10
JUNE	0.10			0.00			0.10
JULY	0.10			0.00			0.10
AUGUST	0.10			0.00			0.10
SEPTEMBER	0.10			0.00			0.10
OCTOBER	0.10			0.00			0.10
TOTALS		0.00	0.10	0.00	0.00	0.00	

## **SECTION 2**















Offset Account

February 2015

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
						1059.34							0.00							0.00
1	0.00	0.00	0.00	0.00	0.19	1059.15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.39	1058.76	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.69	1058.07	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.76	1057.31	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.76	1056.55	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.76	1055.79	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.75	1055.04	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.75	1054.29	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.75	1053.54	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.74	1052.80	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.74	1052.06	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.74	1051.32	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.74	1050.58	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.73	1049.85	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.73	1049.12	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.72	1048.40	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.72	1047.68	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.72	1046.96	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.72	1046.24	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.72	1045.52	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.71	1044.81	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.71	1044.10	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.70	1043.40	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.70	1042.70	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.70	1042.00	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.70	1041.30	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.69	1040.61	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.68	1039.93	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	19.41			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	

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
						1059.34						546.97							512.37	
1	0.00	0.00	0.00	0.00	0.19	1059.15	1	0.00	0.00	0.00	0.10	546.87	1	0.00	0.00	0.00	0.00	0.09	512.28	
2	0.00	0.00	0.00	0.00	0.39	1058.76	2	0.00	0.00	0.00	0.20	546.67	2	0.00	0.00	0.00	0.00	0.19	512.09	
3	0.00	0.00	0.00	0.00	0.69	1058.07	3	0.00	0.00	0.00	0.36	546.31	3	0.00	0.00	0.00	0.00	0.33	511.76	
4	0.00	0.00	0.00	0.00	0.76	1057.31	4	0.00	0.00	0.00	0.39	545.92	4	0.00	0.00	0.00	0.00	0.37	511.39	
5	0.00	0.00	0.00	0.00	0.76	1056.55	5	0.00	0.00	0.00	0.39	545.53	5	0.00	0.00	0.00	0.00	0.37	511.02	
6	0.00	0.00	0.00	0.00	0.76	1055.79	6	0.00	0.00	0.00	0.39	545.14	6	0.00	0.00	0.00	0.00	0.37	510.65	
7	0.00	0.00	0.00	0.00	0.75	1055.04	7	0.00	0.00	0.00	0.39	544.75	7	0.00	0.00	0.00	0.00	0.36	510.29	
8	0.00	0.00	0.00	0.00	0.75	1054.29	8	0.00	0.00	0.00	0.39	544.36	8	0.00	0.00	0.00	0.00	0.36	509.93	
9	0.00	0.00	0.00	0.00	0.75	1053.54	9	0.00	0.00	0.00	0.39	543.97	9	0.00	0.00	0.00	0.00	0.36	509.57	
10	0.00	0.00	0.00	0.00	0.74	1052.80	10	0.00	0.00	0.00	0.38	543.59	10	0.00	0.00	0.00	0.00	0.36	509.21	
11	0.00	0.00	0.00	0.00	0.74	1052.06	11	0.00	0.00	0.00	0.38	543.21	11	0.00	0.00	0.00	0.00	0.36	508.85	
12	0.00	0.00	0.00	0.00	0.74	1051.32	12	0.00	0.00	0.00	0.38	542.83	12	0.00	0.00	0.00	0.00	0.36	508.49	
13	0.00	0.00	0.00	0.00	0.74	1050.58	13	0.00	0.00	0.00	0.38	542.45	13	0.00	0.00	0.00	0.00	0.36	508.13	
14	0.00	0.00	0.00	0.00	0.73	1049.85	14	0.00	0.00	0.00	0.38	542.07	14	0.00	0.00	0.00	0.00	0.35	507.78	
15	0.00	0.00	0.00	0.00	0.73	1049.12	15	0.00	0.00	0.00	0.38	541.69	15	0.00	0.00	0.00	0.00	0.35	507.43	
16	0.00	0.00	0.00	0.00	0.72	1048.40	16	0.00	0.00	0.00	0.37	541.32	16	0.00	0.00	0.00	0.00	0.35	507.08	
17	0.00	0.00	0.00	0.00	0.72	1047.68	17	0.00	0.00	0.00	0.37	540.95	17	0.00	0.00	0.00	0.00	0.35	506.73	
18	0.00	0.00	0.00	0.00	0.72	1046.96	18	0.00	0.00	0.00	0.37	540.58	18	0.00	0.00	0.00	0.00	0.35	506.38	
19	0.00	0.00	0.00	0.00	0.72	1046.24	19	0.00	0.00	0.00	0.37	540.21	19	0.00	0.00	0.00	0.00	0.35	506.03	
20	0.00	0.00	0.00	0.00	0.72	1045.52	20	0.00	0.00	0.00	0.37	539.84	20	0.00	0.00	0.00	0.00	0.35	505.68	
21	0.00	0.00	0.00	0.00	0.71	1044.81	21	0.00	0.00	0.00	0.37	539.47	21	0.00	0.00	0.00	0.00	0.34	505.34	
22	0.00	0.00	0.00	0.00	0.71	1044.10	22	0.00	0.00	0.00	0.37	539.10	22	0.00	0.00	0.00	0.00	0.34	505.00	
23	0.00	0.00	0.00	0.00	0.70	1043.40	23	0.00	0.00	0.00	0.36	538.74	23	0.00	0.00	0.00	0.00	0.34	504.66	
24	0.00	0.00	0.00	0.00	0.70	1042.70	24	0.00	0.00	0.00	0.36	538.38	24	0.00	0.00	0.00	0.00	0.34	504.32	
25	0.00	0.00	0.00	0.00	0.70	1042.00	25	0.00	0.00	0.00	0.36	538.02	25	0.00	0.00	0.00	0.00	0.34	503.98	
26	0.00	0.00	0.00	0.00	0.70	1041.30	26	0.00	0.00	0.00	0.36	537.66	26	0.00	0.00	0.00	0.00	0.34	503.64	
27	0.00	0.00	0.00	0.00	0.69	1040.61	27	0.00	0.00	0.00	0.36	537.30	27	0.00	0.00	0.00	0.00	0.33	503.31	
28	0.00	0.00	0.00	0.00	0.68	1039.93	28	0.00	0.00	0.00	0.35	536.95	28	0.00	0.00	0.00	0.00	0.33	502.98	
	0.00	0.00	0.00	0.00	19.41			0.00	0.00	0.00	10.02			0.00	0.00	0.00	0.00	9.39		







































## **SECTION 3**



March 20, 2015

Kevin Salter  
 Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with preliminary information regarding a delivery of water to the Offset Account in John Martin Reservoir 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 will be executed in conjunction with a delivery of water to the Permanent Pool in John Martin Reservoir by Colorado Parks and Wildlife. The release began on March 20, 2015 at 09:00 am and will consist of a total of 5000 acre-feet and a transit loss of 12.10% has been computed using the Livingston Transit Loss Model from Pueblo Reservoir to John Martin Reservoir. The release began at Pueblo Reservoir at a rate of 250 cfs netting an estimated 219.75 cfs at John Martin Reservoir.

The Lower Arkansas Water Management Association (LAWMA) will release 2000 acre-feet (100 cfs) of fully consumable water to the Offset Account, (Arkansas River Basin water derived from Colorado Canal shares). This will be released from Pueblo Reservoir and is estimated to net a total of 1758 acre-feet at John Martin Reservoir.

The release to the Permanent Pool (150 cfs) will be comprised of 2000 acre-feet of Colorado River Basin water leased from Colorado Springs Utilities. An additional 1000 acre-feet will be released from Pueblo Reservoir for Colorado Parks and Wildlife from Pueblo Board of Water Works (this water is also Colorado River Basin water). This delivery is estimated to net a total of 2637 acre-feet at John Martin Reservoir to the Permanent Pool.

The delivery at John Martin Reservoir from Pueblo Reservoir will be monitored as to time of arrival, but should arrive on approximately March 23, 2015.

Colorado Downstream Consumable Water Subaccount	Approximately 1758 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 delivery into the Offset Account at the conclusion of the delivery. If you have any questions in the meantime, please call me.

Sincerely,

**Bill W. Tyner**  
 Assistant Division Engineer





April 13, 2015

Kevin Salter  
 Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

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 **16.7 acre-feet** of fully consumable water and approximately 2.5 acre-feet of stateline return flow 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 transfer will be made at 24:00 hours on April 13, 2015.

Using the procedures described in the **"AGREEMENT CONCERNING THE OFFSET ACCOUNT IN JOHN MARTIN RESERVOIR FOR COLORADO PUMPING, DETERMINATION OF CREDITS FOR DELIVERY OF WATER RELEASED FOR COLORADO PUMPING, AND RELATED MATTERS"**, Paragraph 6 and Attachment A, acre-feet of water will be transferred or released from LAWMA's **Keesee Section II** account.

**On April 13, 2015:**

Colorado Downstream Consumable Water Subaccount	16.7 acre-feet
Return Flow Subaccount	2.4 acre-feet
Return Flow Transit Loss Subaccount	0.1 acre-feet

Additionally, the following amounts representing the in-state return flow portion will be transferred to the Article II accounts of the various ditches:

Fort Bent Winter Stored Subaccount	0.8 acre-feet
Amity Winter Stored Subaccount	3.8 acre-feet
Lamar Winter Stored Subaccount	2.2 acre-feet

I will provide you with a formal notification, which will have all of the details concerning the delivery into the Offset Account at the conclusion of the delivery. If you have any questions in the meantime, please call me.

Sincerely,

**Bill W. Tyner**  
 Assistant Division Engineer







April 13, 2015

Kevin Salter  
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

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) 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 2015 is expected to total approximately 1,129 acre-feet to be used for well augmentation pursuant to the conditions in LAWMA's decree in Water Court Case 02CW181. LAWMA will use half of the Keesee Ditch consumable water for in-state replacement. Half of the Keesee Ditch consumable water will begin to be delivered into the Offset Account beginning approximately April 15, 2015.

Colorado Downstream Consumable Water Subaccount	Approximately 1,129 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 delivery into the Offset Account at the conclusion of the 2015 irrigation season. The accounting spreadsheet for the operation of the Keesee Ditch water right for 2015 will be provided electronically.

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

Sincerely,

**Bill W. Tyner**  
Assistant Division Engineer







June 2, 2015

Kevin Salter  
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

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) will deliver fully consumable water associated with the Highland Canal 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") during times when John Martin Reservoir is in Conservation Storage. The delivery began on May 10, 2015 and will operate while John Martin Reservoir is in storage throughout the Summer Storage season in 2015. Total deliveries are difficult to predict, but are anticipated to exceed 2,000 acre-feet to the Offset Account to be used for well augmentation pursuant to the conditions in LAWMA's decree in Water Court Case 02CW181.

Colorado Downstream Consumable Water Subaccount	Approximately 2,000 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 delivery into the Offset Account at the conclusion of the 2015 irrigation season. The accounting spreadsheet for the operation of the Highland Canal water right for 2015 will be provided electronically. Thank you for working with us on the adjusted JMAS accounting to accommodate the May storage. Please let us know if the evaporation calculations as done by Phil Reynolds (attached) are acceptable to you.

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

Sincerely,

**Bill W. Tyner**  
Assistant Division Engineer





June 2, 2015

Kevin Salter  
Kansas Department of Agriculture (By E-Mail)

Dear Kevin,

The purpose of this letter is to provide you with preliminary information regarding a delivery of water to the Offset Account in John Martin Reservoir 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 will be executed by release from Pueblo Reservoir. The release will be made from Colorado Springs Utilities' Pueblo Reservoir LTEC account (via a trade with Pueblo Board of Water Works) and will be fully consumable Arkansas River Basin water. A transit loss of 11.30% has been computed for each delivery using the Livingston Transit Loss Model from Pueblo Reservoir to John Martin Reservoir.

- Colorado Springs Utilities (CSU) will begin a release of approximately 1,000 acre-feet at 14:00 hours on June 2, 2015 at a 100.83 cfs release rate for delivery to the Offset Account for the Lower Arkansas Water Management Association (LAWMA). The arrival time will be monitored but is projected to be on approximately June 5, 2015 around 14:00 hours and at an arrival rate of 89.44 cfs. It is projected that the amount delivered to the Offset Account will still be below 10,000 acre-feet for the year so all water will be delivered to the Colorado Downstream Consumable Water Subaccount. Due to unknown river conditions it is possible that the release/delivery may be higher and, if so, I will keep you posted on any substantial increase for this delivery.

- Colorado Downstream Consumable Water Subaccount      ±887 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 delivery into the Offset Account and Permanent Pool as soon as possible. If you have any questions in the meantime, please call me.

Sincerely,

**Bill W. Tyner**  
Assistant Division Engineer





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

August 25, 2015

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

Dear Mr. Barfield:

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") for each delivery or transfer conducted during 2015 in detail following the initial notice for each transaction originally sent to Kansas.

### **March 23, 2015 to April 2, 2015 delivery:**

The Lower Arkansas Water Management Association (LAWMA), via an agreement with Colorado Springs Utilities (CSU), delivered water from Pueblo Reservoir to the Offset Account in John Martin Reservoir with the delivery arriving on the above dates. The delivery began at Pueblo Reservoir at 09:00 hours on March 20, 2015 at a rate of 100 cfs. **2000 acre-feet** was released from Pueblo Reservoir and a transit loss of 24.9% was applied from Pueblo Reservoir to John Martin Reservoir. Daily accounting for John Martin Reservoir as well as a letter from Colorado Springs Utilities (CSU) identifying the source of the delivered water as consumable water from CSU's Colorado Canal shares is included in Enclosure 1. The delivery netted **1502.85 acre-feet** to the Offset Account, all of which was delivered to the Colorado Downstream Consumable subaccount.

### **April 13, 2015 transfer:**

The Lower Arkansas Water Management Association (LAWMA) transferred **16.7 acre-feet** of consumable water and **2.5 acre-feet** of stateline return flow water to the Colorado Downstream Consumable subaccount, Return Flow subaccount and Return Flow Transit Loss subaccount of the Offset Account on April 13, 2015. A total of **26 acre-feet** of water was transferred/released from LAWMA's Keesee Article II account. On this date 16.7 acre-feet was transferred to the Colorado Downstream Consumable subaccount for LAWMA. An additional 2.4 acre-feet was placed in the Return Flow subaccount, 0.1 acre-feet was placed in the Return Flow Transit Loss subaccount of the Offset Account, and, 0.8 acre-feet was transferred to the Fort Bent Article II account, 3.8 acre-feet was transferred to the Amity Article II account and 2.2 acre-feet was transferred to the Lamar Article II account representing in-

**Water Division 2 • Pueblo**

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state return flows. A daily accounting sheet for John Martin Reservoir for April 13<sup>th</sup> is included in Enclosure 2.

**May 21-22, 2015 delivery:**

The Lower Arkansas Water Management Association (LAWMA) via an agreement with Colorado Springs Utilities (CSU), delivered water from Lake Meredith to the Offset Account in John Martin Reservoir with the delivery arriving on the above dates. The delivery began at Lake Meredith at 22:49 hours on May 18, 2015 at a rate of 659 cfs and ended at Lake Meredith at 10:13 hours on May 20, 2015 netting a release of 2000 acre-feet. Daily accounting for May 21-22 for John Martin Reservoir, daily accounting of the release from Lake Meredith, as well as a letter from Colorado Springs Utilities (CSU) identifying the source of the delivered water as consumable water from CSU's Colorado Canal shares is included in Enclosure 3. The delivery netted **1861.39** acre-feet to the Offset Account, all of which was delivered to the Colorado Downstream Consumable subaccount.

**May 24, 2015 delivery:**

The Lower Arkansas Water Management Association (LAWMA) via an agreement with Colorado Springs Utilities (CSU), delivered water from Lake Meredith to the Offset Account in John Martin Reservoir with the delivery arriving on the above dates. The delivery began at Lake Meredith at 21:34 hours on May 21, 2015 at a rate of 741 cfs and ended at Lake Meredith at 13:52 hours on May 22, 2015 and totaled 1000 acre-feet. Daily accounting for May 24 for John Martin Reservoir, daily accounting of the release from Lake Meredith, as well as a letter from Colorado Springs Utilities (CSU) identifying the source of the delivered water as consumable water from CSU's Colorado Canal shares is included in Enclosure 3. The delivery netted **935.35** acre-feet to the Offset Account, all of which was delivered to the Colorado Downstream Consumable subaccount.

**June 5, 2015 to June 10, 2015 delivery:**

The Lower Arkansas Water Management Association (LAWMA), via an agreement with Pueblo Board of Water Works (PBWW) and Colorado Springs Utilities (CSU), delivered water from Pueblo Reservoir to the Offset Account in John Martin Reservoir with the delivery arriving on the above dates. The delivery began at Pueblo Reservoir at 10:00 hours on June 2, 2015 at a rate of 100.83 cfs. 1000 acre-feet was released from Pueblo Reservoir and a transit loss of 11.4% was computed using the Livingston Transit Loss Model from Pueblo Reservoir to John Martin Reservoir. Daily accounting for John Martin Reservoir as well as a letter from Colorado Springs Utilities (CSU) identifying the source of the delivered water as consumable water from CSU's Colorado Canal shares (contract exchanged to PBWW's account in Pueblo Reservoir) is included in Enclosure 4. The delivery netted **886.12** acre-feet to the Offset Account, all of which was delivered to the Colorado Downstream Consumable subaccount.

**Summary**

This letter summarizes each of the five deliveries or transfers to the Offset Account during 2015 through June, not including deliveries by the Highland Canal or Keesee Ditch. The total amount of water delivered to the Offset Account on the above dates was **5204.91** acre-feet. Total consumable water delivered was **5202.41** acre-feet and total return flow water delivered was **2.5** acre-feet.

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

Sincerely,

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

4 Enclosures

cc: Kevin Salter Dale Book Kelley Thompson Charlie DiDomenico  
Dan Steuer Don Higbee Randy Hendrix Bill Tyner Rachel Zancanella

**Enclosure 1**

**John Martin Offset Accounting for March, 2015**

**Letter from Colorado Springs Utilities Documenting Source**



Offset Account

March 2015

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
						1039.93							0.00							0.00
1	0.00	0.00	0.00	0.00	1.10	1038.83	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.10	1037.73	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.09	1036.64	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.08	1035.56	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.07	1034.49	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.07	1033.42	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.06	1032.36	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.05	1031.31	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.04	1030.27	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.03	1029.24	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.01	1028.23	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.99	1027.24	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.99	1026.25	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.97	1025.28	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.95	1024.33	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.94	1023.39	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.93	1022.46	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.93	1021.53	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.93	1020.60	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.93	1019.67	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.96	1018.71	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.96	1017.75	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	32.18	0.00	0.00	0.00	1.26	1048.67	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	137.59	0.00	0.00	0.00	1.56	1184.70	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	163.39	0.00	0.00	0.00	0.46	1347.63	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	129.22	0.00	0.00	0.00	0.85	1476.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	172.26	0.00	0.00	0.00	1.99	1646.27	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	165.58	0.00	0.00	0.00	2.14	1809.71	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	117.95	0.00	0.00	0.00	2.34	1925.32	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	149.43	0.00	0.00	0.00	1.21	2073.54	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	156.36	0.00	0.00	0.00	3.44	2226.46	31	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
1223.96	0.00	0.00	0.00		37.43		0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00			
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
						1039.93							536.95							502.98
1	0.00	0.00	0.00	0.00	1.10	1038.83	1	0.00	0.00	0.00	0.00	0.57	536.38	1	0.00	0.00	0.00	0.00	0.53	502.45
2	0.00	0.00	0.00	0.00	1.10	1037.73	2	0.00	0.00	0.00	0.00	0.57	535.81	2	0.00	0.00	0.00	0.00	0.53	501.92
3	0.00	0.00	0.00	0.00	1.09	1036.64	3	0.00	0.00	0.00	0.00	0.56	535.25	3	0.00	0.00	0.00	0.00	0.53	501.39
4	0.00	0.00	0.00	0.00	1.08	1035.56	4	0.00	0.00	0.00	0.00	0.56	534.69	4	0.00	0.00	0.00	0.00	0.52	500.87
5	0.00	0.00	0.00	0.00	1.07	1034.49	5	0.00	0.00	0.00	0.00	0.55	534.14	5	0.00	0.00	0.00	0.00	0.52	500.35
6	0.00	0.00	0.00	0.00	1.07	1033.42	6	0.00	0.00	0.00	0.00	0.55	533.59	6	0.00	0.00	0.00	0.00	0.52	499.83
7	0.00	0.00	0.00	0.00	1.06	1032.36	7	0.00	0.00	0.00	0.00	0.55	533.04	7	0.00	0.00	0.00	0.00	0.51	499.32
8	0.00	0.00	0.00	0.00	1.05	1031.31	8	0.00	0.00	0.00	0.00	0.54	532.50	8	0.00	0.00	0.00	0.00	0.51	498.81
9	0.00	0.00	0.00	0.00	1.04	1030.27	9	0.00	0.00	0.00	0.00	0.54	531.96	9	0.00	0.00	0.00	0.00	0.50	498.31
10	0.00	0.00	0.00	0.00	1.03	1029.24	10	0.00	0.00	0.00	0.00	0.53	531.43	10	0.00	0.00	0.00	0.00	0.50	497.81
11	0.00	0.00	0.00	0.00	1.01	1028.23	11	0.00	0.00	0.00	0.00	0.52	530.91	11	0.00	0.00	0.00	0.00	0.49	497.32
12	0.00	0.00	0.00	0.00	0.99	1027.24	12	0.00	0.00	0.00	0.00	0.51	530.40	12	0.00	0.00	0.00	0.00	0.48	496.84
13	0.00	0.00	0.00	0.00	0.99	1026.25	13	0.00	0.00	0.00	0.00	0.51	529.89	13	0.00	0.00	0.00	0.00	0.48	496.36
14	0.00	0.00	0.00	0.00	0.97	1025.28	14	0.00	0.00	0.00	0.00	0.50	529.39	14	0.00	0.00	0.00	0.00	0.47	495.89
15	0.00	0.00	0.00	0.00	0.95	1024.33	15	0.00	0.00	0.00	0.00	0.49	528.90	15	0.00	0.00	0.00	0.00	0.46	495.43
16	0.00	0.00	0.00	0.00	0.94	1023.39	16	0.00	0.00	0.00	0.00	0.49	528.41	16	0.00	0.00	0.00	0.00	0.45	494.98
17	0.00	0.00	0.00	0.00	0.93	1022.46	17	0.00	0.00	0.00	0.00	0.48	527.93	17	0.00	0.00	0.00	0.00	0.45	494.53
18	0.00	0.00	0.00	0.00	0.93	1021.53	18	0.00	0.00	0.00	0.00	0.48	527.45	18	0.00	0.00	0.00	0.00	0.45	494.08
19	0.00	0.00	0.00	0.00	0.93	1020.60	19	0.00	0.00	0.00	0.00	0.48	526.97	19	0.00	0.00	0.00	0.00	0.45	493.63
20	0.00	0.00	0.00	0.00	0.93	1019.67	20	0.00	0.00	0.00	0.00	0.48	526.49	20	0.00	0.00	0.00	0.00	0.45	493.18
21	0.00	0.00	0.00	0.00	0.96	1018.71	21	0.00	0.00	0.00	0.00	0.50	525.99	21	0.00	0.00	0.00	0.00	0.46	492.72
22	0.00	0.00	0.00	0.00	0.96	1017.75	22	0.00	0.00	0.00	0.00	0.50	525.49	22	0.00	0.00	0.00	0.00	0.46	492.26
23	32.18	0.00	0.00	0.00	1.26	1048.67	23	32.18	0.00	0.00	0.00	0.65	557.02	23	0.00	0.00	0.00	0.00	0.61	491.65
24	137.59	0.00	0.00	0.00	1.56	1184.70	24	137.59	0.00	0.00	0.00	0.83	693.78	24	0.00	0.00	0.00	0.00	0.73	490.92
25	163.39	0.00	0.00	0.00	0.46	1347.63	25	163.39	0.00	0.00	0.00	0.27	856.90	25	0.00	0.00	0.00	0.00	0.19	490.73
26	129.22	0.00	0.00	0.00	0.85	1476.00	26	129.22	0.00	0.00	0.00	0.54	985.58	26	0.00	0.00	0.00	0.00	0.31	490.42
27	172.26	0.00	0.00	0.00	1.99	1646.27	27	172.26	0.00	0.00	0.00	1.33	1156.51	27	0.00	0.00	0.00	0.00	0.66	489.76
28	165.58	0.00	0.00	0.00	2.14	1809.71	28	165.58	0.00	0.00	0.00	1.50	1320.59	28	0.00	0.00	0.00	0.00	0.64	489.12
29	117.95	0.00	0.00	0.00	2.34	1925.32	29	117.95	0.00	0.										



Pueblo Reservoir Release March

Downstream Deliveries							
	PBWW LT						
	(Comanche Pump Station)						
3/1/15	11.90						
3/2/15	11.90						
3/3/15	-						
3/4/15							
3/5/15							
3/6/15							
3/7/15							
3/8/15							
3/9/15							
3/10/15							
3/11/15	AGUA I&W						
3/12/15	(Excelsior)						
3/13/15	5.95						
3/14/15	20.41						
3/15/15	20.41						
3/16/15	20.41						
3/17/15	20.41						
3/18/15	20.41	PBWW LT	CSU LT	CSU LT			
3/19/15	20.41	(CPW to JMR)	(CPW to JMR)	(LAWMA to JMR)			
3/20/15	20.41	61.98	123.97	123.97			
3/21/15	20.41	99.18	198.35	198.35			
3/22/15	20.41	99.18	198.35	198.35			
3/23/15	20.41	99.18	198.35	198.35			
3/24/15	20.41	99.18	198.35	198.35			
3/25/15	20.41	99.18	198.35	198.35	Catlin WW CO		
3/26/15	20.41	99.18	198.35	198.35	27.77		
3/27/15	29.97	99.18	198.35	198.35	41.65		
3/28/15	29.97	99.18	198.35	198.35	41.65		
3/29/15	29.97	99.18	198.35	198.35	41.65		
3/30/15	29.97	45.40	90.88	90.88	71.73	Highline WW CO	Highline Proj
3/31/15	29.97	-	-	-	93.22	38.49	15.72
		1000.00	2000.00	2000.00			



# Colorado Springs Utilities

*It's how we're all connected*

March 13, 2015

Steve Witte  
Colorado Division of Water Resources  
Division 2 Engineer  
310 E. Abriendo Ave., Suite B  
Pueblo, CO 81004

Dear Mr. Witte:

Colorado Springs Utilities has leased 2,000 acre-feet of fully reusable Arkansas River water stored in Pueblo Reservoir to LAWMA, to be delivered before the end of March 2015. Specifically, the water leased is the fully-consumable portion of Colorado Springs' Colorado Canal right. This water will be delivered by LAWMA to the Offset Account in John Martin Reservoir to cover depletions to usable state-line flows caused by well pumping in Colorado.

LAWMA is responsible for obtaining approval by the State Engineer or Division 2 Engineer, as well as all other necessary approvals required for delivery of this water from Pueblo Reservoir to John Martin Reservoir.

Please contact me at (719) 668-8748 if you have any questions.

Sincerely,

Kalsoum Abbasi, P.E.  
Senior Project Engineer

cc: Don Higbee  
Randy Hendrix  
Bill Tyner  
John Van Oort

121 South Tejon Street, Third Floor  
P.O. Box 1103, Mail Code 930  
Colorado Springs, CO 80947-0930

Phone 719.448.8888  
[www@csu.org](http://www@csu.org)

**Enclosure 2**

**John Martin Accounting for April 13, 2015**

John Martin Daily Report

4/13/2015

Acct	Date	PrevBal.	Inflow	TIn	TOut	Rel.	Evap	Balance
<b>Storage</b>								
City								
City/LAMAR	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation								
Summer Compact	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Winter Compact	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Water								
Winter Water Holding Account	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D67 Winter Water Storage Charge	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pool								
Permanent Pool	4/13/2015	3,569.92	0.00	0.00	0.00	0.00	5.73	3,564.19
Flood Pool	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Storage</b>	<b>Totals:</b>	<b>3,569.92</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.73</b>	<b>3,564.19</b>
<b>Agreement</b>								
InterState								
Kansas Kansas	4/13/2015	10,407.07	0.00	0.00	0.00	0.00	16.72	10,390.35
Transit Loss	4/13/2015	1,643.78	0.00	0.00	0.00	0.00	2.64	1,641.14
Section III								
Amity	4/13/2015	15,074.67	0.00	0.00	0.00	0.00	24.19	15,050.48
Ft. Lyon	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Las Animas	4/13/2015	854.94	0.00	0.00	0.00	0.00	1.37	853.57
CO Sec II								
Prev Winter Stored Keesee	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Ft Bent	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Amity	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Lamar	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Hyde	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored X-Y	4/13/2015	70.94	0.00	0.00	0.00	0.00	0.11	70.83
Prev Winter Stored Buffalo	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Sisson	4/13/2015	11.38	0.00	0.00	0.00	0.00	0.02	11.36
Prev Winter Stored Stubbs	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prev Winter Stored Manvel Consu	4/13/2015	16.78	0.00	0.00	0.00	0.00	0.03	16.75
Prev Winter Stored Manvel Return	4/13/2015	16.78	0.00	0.00	0.00	0.00	0.03	16.75
CO Sec II								
Crnt Winter Stored Keesee	4/13/2015	545.30	0.00	0.00	0.00	0.00	0.88	544.42
Crnt Winter Stored Ft Bent	4/13/2015	2,184.57	0.00	0.80	0.00	0.00	3.51	2,181.86
Crnt Winter Stored Amity	4/13/2015	5,613.13	0.00	3.80	0.00	0.00	9.02	5,607.91
Crnt Winter Stored Lamar	4/13/2015	4,045.01	0.00	2.20	0.00	0.00	6.50	4,040.71
Crnt Winter Stored Hyde	4/13/2015	265.35	0.00	0.00	0.00	0.00	0.43	264.92
Crnt Winter Stored X-Y	4/13/2015	1,429.24	0.00	0.00	0.00	0.00	2.30	1,426.94
Crnt Winter Stored Buffalo	4/13/2015	1,214.08	0.00	0.00	0.00	0.00	1.95	1,212.13
Crnt Winter Stored Sisson	4/13/2015	336.52	0.00	0.00	0.00	0.00	0.54	335.98
Crnt Winter Stored Stubbs	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crnt Winter Stored Manvel Consu	4/13/2015	366.59	0.00	0.00	0.00	0.00	0.59	366.00
Crnt Winter Stored Manvel Return	4/13/2015	141.82	0.00	0.00	0.00	0.00	0.23	141.59
CO Sec II								
Summer Stored Keesee	4/13/2015	26.13	0.00	0.00	26.00	0.09	0.04	0.00
Summer Stored Ft Bent	4/13/2015	112.49	0.00	0.00	0.00	0.00	0.18	112.31
Summer Stored Amity	4/13/2015	562.50	0.00	0.00	0.00	0.00	0.90	561.60
Summer Stored Lamar	4/13/2015	225.00	0.00	0.00	0.00	0.00	0.36	224.64
Summer Stored Hyde	4/13/2015	75.61	0.00	0.00	0.00	0.00	0.12	75.49
Summer Stored X-Y	4/13/2015	621.67	0.00	0.00	0.00	0.00	1.00	620.67
Summer Stored Buffalo	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summer Stored Sisson	4/13/2015	182.34	0.00	0.00	0.00	0.00	0.29	182.05
Summer Stored Stubbs	4/13/2015	8.21	0.00	0.00	0.00	0.00	0.01	8.20
Summer Stored Manvel Consumabl	4/13/2015	277.67	0.00	0.00	0.00	0.00	0.45	277.22
Summer Stored Manvel Return Flo	4/13/2015	277.66	0.00	0.00	0.00	0.00	0.45	277.21
<b>Agreement</b>	<b>Totals:</b>	<b>46,607.23</b>	<b>0.00</b>	<b>6.80</b>	<b>26.00</b>	<b>0.09</b>	<b>74.86</b>	<b>46,513.08</b>
<b>OffsetAccount</b>								
Consumable								
Upstream	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Downstream	4/13/2015	1,984.15	0.00	16.70	0.00	0.00	3.19	1,997.66
Kansas	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kansas Charge	4/13/2015	479.06	0.00	0.00	0.00	0.00	0.77	478.29
ReturnFlow								
Return Flow	4/13/2015	0.00	0.00	2.40	0.00	0.00	0.00	2.40
RF Transit Loss	4/13/2015	0.00	0.00	0.10	0.00	0.00	0.00	0.10
Keesee Winter	4/13/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>OffsetAccount</b>	<b>Totals:</b>	<b>2,463.21</b>	<b>0.00</b>	<b>19.20</b>	<b>0.00</b>	<b>0.00</b>	<b>3.96</b>	<b>2,478.45</b>
<b>Reservoir</b>	<b>Totals:</b>	<b>52,640.36</b>	<b>0.00</b>	<b>26.00</b>	<b>26.00</b>	<b>0.09</b>	<b>84.55</b>	<b>52,555.72</b>
<b>Colorado Article II Summary</b>								
Keesee	4/13/2015	571.43	0.00	0.00	26.00	0.09	0.92	544.42
Ft Bent	4/13/2015	2,297.06	0.00	0.80	0.00	0.00	3.69	2,294.17
Amity	4/13/2015	6,175.63	0.00	3.80	0.00	0.00	9.92	6,169.51
Lamar	4/13/2015	4,270.01	0.00	2.20	0.00	0.00	6.86	4,265.35
Hyde	4/13/2015	340.96	0.00	0.00	0.00	0.00	0.55	340.41
X-Y	4/13/2015	2,121.85	0.00	0.00	0.00	0.00	3.41	2,118.44
Buffalo	4/13/2015	1,214.08	0.00	0.00	0.00	0.00	1.95	1,212.13
Sisson	4/13/2015	530.24	0.00	0.00	0.00	0.00	0.85	529.39
Stubbs	4/13/2015	8.21	0.00	0.00	0.00	0.00	0.01	8.20
Manvel	4/13/2015	1,097.30	0.00	0.00	0.00	0.00	1.78	1,095.52
<b>Colorado Article I</b>	<b>Totals:</b>	<b>18,626.77</b>	<b>0.00</b>	<b>6.80</b>	<b>26.00</b>	<b>0.09</b>	<b>29.94</b>	<b>18,577.54</b>

**Enclosure 3**

**John Martin Offset Accounting for May, 2015**

**Lake Meredith Outlet Accounting**

**Letters from Colorado Springs Utilities Documenting Source**

**Offset Account**

**May 2015**

<b>OffsetAccount-Totals</b>							<b>OffsetAccount-Consumable Upstream</b>							<b>OffsetAccount-Consumable Kansas</b>						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2600.49							0.00							0.00
1	10.31	0.00	0.00	0.00	2.89	2607.91	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	10.31	0.00	0.00	0.00	2.91	2615.31	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	10.31	0.00	0.00	0.00	2.81	2622.81	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	10.31	0.00	0.00	0.00	1.41	2631.71	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	10.31	0.00	0.00	0.00	2.12	2639.90	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	10.31	0.00	0.00	0.00	3.20	2647.01	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	10.31	0.00	0.00	0.00	3.69	2653.63	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	10.31	0.00	0.00	0.00	3.47	2660.47	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	3.43	2657.04	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	3.32	2653.72	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.25	2651.47	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	4.52	2646.95	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.22	2646.73	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.52	2644.21	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	3.72	2640.49	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	3.60	2636.89	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	3.60	2633.29	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	2.87	2630.42	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	2.87	2627.55	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.47	2626.08	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	1017.26	0.00	0.00	0.00	1.18	3642.16	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	844.13	0.00	0.00	0.00	3.48	4482.81	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.23	4478.58	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	935.35	0.00	0.00	0.00	4.10	5409.83	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	4.78	5405.05	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	4.48	5400.57	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	5.79	5394.78	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	1372.76	0.00	0.00	0.00	2.65	6764.89	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	82.77	0.00	0.00	0.00	5.31	6842.35	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	82.77	0.00	0.00	0.00	5.01	6920.11	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	82.83	0.00	0.00	0.00	4.99	6997.95	31	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
	4500.35	0.00	0.00	0.00	102.89			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	

<b>OffsetAccount-Consumable Totals</b>							<b>OffsetAccount-Consumable Downstream</b>							<b>OffsetAccount-Consumable Kansas Charge</b>						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2597.99							2128.81							469.18
1	10.31	0.00	0.00	0.00	2.89	2605.41	1	10.31	0.00	0.00	0.00	2.37	2136.75	1	0.00	0.00	0.00	0.00	0.52	468.66
2	10.31	0.00	0.00	0.00	2.91	2612.81	2	10.31	0.00	0.00	0.00	2.39	2144.67	2	0.00	0.00	0.00	0.00	0.52	468.14
3	10.31	0.00	0.00	0.00	2.81	2620.31	3	10.31	0.00	0.00	0.00	2.31	2152.67	3	0.00	0.00	0.00	0.00	0.50	467.64
4	10.31	0.00	0.00	0.00	1.41	2629.21	4	10.31	0.00	0.00	0.00	1.16	2161.82	4	0.00	0.00	0.00	0.00	0.25	467.39
5	10.31	0.00	0.00	0.00	2.12	2637.40	5	10.31	0.00	0.00	0.00	1.74	2170.39	5	0.00	0.00	0.00	0.00	0.38	467.01
6	10.31	0.00	0.00	0.00	3.20	2644.51	6	10.31	0.00	0.00	0.00	2.63	2178.07	6	0.00	0.00	0.00	0.00	0.57	466.44
7	10.31	0.00	0.00	0.00	3.69	2651.13	7	10.31	0.00	0.00	0.00	3.04	2185.34	7	0.00	0.00	0.00	0.00	0.65	465.79
8	10.31	0.00	0.00	0.00	3.47	2657.97	8	10.31	0.00	0.00	0.00	2.86	2192.79	8	0.00	0.00	0.00	0.00	0.61	465.18
9	0.00	0.00	0.00	0.00	3.43	2654.54	9	0.00	0.00	0.00	0.00	2.83	2189.96	9	0.00	0.00	0.00	0.00	0.60	464.58
10	0.00	0.00	0.00	0.00	3.32	2651.22	10	0.00	0.00	0.00	0.00	2.74	2187.22	10	0.00	0.00	0.00	0.00	0.58	464.00
11	0.00	0.00	0.00	0.00	2.25	2648.97	11	0.00	0.00	0.00	0.00	1.86	2185.36	11	0.00	0.00	0.00	0.00	0.39	463.61
12	0.00	0.00	0.00	0.00	4.52	2644.45	12	0.00	0.00	0.00	0.00	3.73	2181.63	12	0.00	0.00	0.00	0.00	0.79	462.82
13	0.00	0.00	0.00	0.00	0.22	2644.23	13	0.00	0.00	0.00	0.00	0.18	2181.45	13	0.00	0.00	0.00	0.00	0.04	462.78
14	0.00	0.00	0.00	0.00	2.52	2641.71	14	0.00	0.00	0.00	0.00	2.08	2179.37	14	0.00	0.00	0.00	0.00	0.44	462.34
15	0.00	0.00	0.00	0.00	3.72	2637.99	15	0.00	0.00	0.00	0.00	3.07	2176.30	15	0.00	0.00	0.00	0.00	0.65	461.69
16	0.00	0.00	0.00	0.00	3.60	2634.39	16	0.00	0.00	0.00	0.00	2.97	2173.33	16	0.00	0.00	0.00	0.00	0.63	461.06
17	0.00	0.00	0.00	0.00	3.60	2630.79	17	0.00	0.00	0.00	0.00	2.97	2170.36	17	0.00	0.00	0.00	0.00	0.63	460.43
18	0.00	0.00	0.00	0.00	2.87	2627.92	18	0.00	0.00	0.00	0.00	2.37	2167.99	18	0.00	0.00	0.00	0.00	0.50	459.93
19	0.00	0.00	0.00	0.00	2.87	2625.05	19	0.00	0.00	0.00	0.00	2.37	2165.62	19	0.00	0.00	0.00	0.00	0.50	459.43
20	0.00	0.00	0.00	0.00	1.47	2623.58	20	0.00	0.00	0.00	0.00	1.21	2164.41	20	0.00	0.00	0.00	0.00	0.26	459.17
21	1017.26	0.00	0.00	0.00	1.18	3639.66	21	1017.26	0.00	0.00	0.00	0.97	3180.70	21	0.00	0.00	0.00	0.00	0.21	458.96
22	844.13	0.00	0.00	0.00	3.48	4480.31	22	844.13	0.00	0.00	0.00	3.04	4021.79	22	0.00	0.00	0.00	0.00	0.44	458.52
23	0.00	0.00	0.00	0.00	4.23	4476.08	23	0.00	0.00	0.00	0.00	3.80	4017.99	23	0.00	0.00	0.00	0.00	0.43	458.09
24	935.35	0.00	0.00	0.00	4.10	5407.33	24	935.35	0.00	0.00	0.00	3.68	4949.66	24	0.00	0.00	0.00	0.00	0.42	457.67
25	0.00	0.00	0.00	0.00	4.78	5402.55	25	0.00	0.00	0.00	0.00	4.38	4945.28	25	0.00	0.00	0.00	0.00	0.40	457.27
26	0.00	0.00	0.00	0.00	4.48	5398.07	26	0.00	0.00	0.00	0.00	4.10	4941.18	26	0.00	0.00	0.00	0.00	0.38	456.89
27	0.00	0.00	0.00	0.00	5.79	5392.28	27	0.00	0.00	0.00	0.00	5.30	4935.88	27	0.00	0.00	0.00	0.00	0.49	456.40
28	1372.76	0.00	0.00	0.00	2.65	6762.39	28	1372.76	0.00	0.00	0.00	2.43	6306.21	28	0.00	0.00	0.00</			





## Lake Meredith Outflow Accounting

CSU to JM LAWMA

		CFS	AF	Beg Bal	evap	End Bal	Beg Time	End Time
<b>5/18/2015</b>	LMO	555.33	1101.50					
	Ret Flow	5.33	10.57					
	CSU	<b>27.08</b>	53.71	2000.00		1946.29	22:49:00	
5/19/2015	LMO	670.25	1329.44					
	Ret Flow		0.00					
	LMX Boone		0.00					
	CSU	<b>658.51</b>	1306.15	1946.29		640.13		
5/20/2015	LMO	773.25	1533.74					
	Ret Flow	11.40	22.61					
	LMX Boone	3.91	7.76					
	CSU	<b>322.73</b>	640.13	640.13		0.00		10:13

**COMPLETED 5/20/15**

## Lake Meredith Outflow Accounting

CSU to JM LAWMA

		CFS	AF	Beg Bal	evap	End Bal	Beg Time	End Time
5/21/2015	LMO	750.75	1489.11					
	Ret Flow	2.99	5.93					
	LMX Boone							
	CSU	<b>74.02</b>	146.82	1000.00		853.18	21:34	
5/22/2015	LMO	755.00	1497.54					
	Ret Flow	3.69	7.32					
	COA Valco	6.52	12.93					
	CSU	<b>430.14</b>	853.18	853.18		0.00		13:52



# Colorado Springs Utilities

*It's how we're all connected*

May 20, 2015

VIA EMAIL

Steve Witte  
Colorado Division of Water Resources  
Division 2 Engineer  
310 E. Abriendo Ave., Suite B  
Pueblo, CO 81004

Dear Mr. Witte:

On May 18, 2015, Colorado Springs Utilities began a release of 2,000 acre-feet of fully reusable Arkansas River water stored in Lake Meredith for the Lower Arkansas Water Management Association (LAWMA). Specifically, the water leased is the fully-consumable portion of Colorado Springs' Colorado Canal right. This water will be delivered by LAWMA to the Offset Account in John Martin Reservoir to cover depletions to usable state-line flows caused by well pumping in Colorado.

LAWMA is responsible for obtaining approval by the State Engineer or Division 2 Engineer, as well as all other necessary approvals required for delivery of this water from Lake Meredith to John Martin Reservoir.

Please contact me at (719) 668-8748 if you have any questions.

Sincerely,

Kalsoum Abbasi, P.E.  
Senior Project Engineer

cc: Don Higbee  
Randy Hendrix  
Bill Tyner  
John Van Oort

121 South Tejon Street, Third Floor  
P.O. Box 1103, Mail Code 930  
Colorado Springs, CO 80947-0930

Phone 719.448.8888  
[www@csu.org](http://www@csu.org)



# Colorado Springs Utilities

*It's how we're all connected*

May 22, 2015

VIA EMAIL

Steve Witte  
Colorado Division of Water Resources  
Division 2 Engineer  
310 E. Abriendo Ave., Suite B  
Pueblo, CO 81004

Dear Mr. Witte:

On May 21, 2015, Colorado Springs Utilities began a release of 1,000 acre-feet of fully reusable Arkansas River water stored in Lake Meredith for the Lower Arkansas Water Management Association (LAWMA). Specifically, the water leased is the fully-consumable portion of Colorado Springs' Colorado Canal right. This water will be delivered by LAWMA to the Offset Account in John Martin Reservoir to cover depletions to usable state-line flows caused by well pumping in Colorado.

LAWMA is responsible for obtaining approval by the State Engineer or Division 2 Engineer, as well as all other necessary approvals required for delivery of this water from Lake Meredith to John Martin Reservoir.

Please contact me at (719) 668-8748 if you have any questions.

Sincerely,

Kalsoum Abbasi, P.E.  
Senior Project Engineer

cc: Don Higbee  
Randy Hendrix  
Bill Tyner  
John Van Oort  
Charlie DiDomenico

121 South Tejon Street, Third Floor  
P.O. Box 1103, Mail Code 930  
Colorado Springs, CO 80947-0930

Phone 719.448.8888  
[www@csu.org](http://www@csu.org)

**Enclosure 4**

**John Martin Offset Accounting for June, 2015**

**Lake Meredith Outlet Accounting**

**Letters from Colorado Springs Utilities Documenting Source**

## Offset Account

June 2015

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
						6997.95							0.00							0.00
1	82.96	0.00	0.00	0.00	5.94	7074.97	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	92.57	0.00	0.00	0.00	10.47	7157.07	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	92.51	0.00	0.00	0.00	3.27	7246.31	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	92.31	0.00	0.00	0.00	4.70	7333.92	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	165.34	0.00	0.00	0.00	6.18	7493.08	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	269.67	0.00	0.00	528.93	6.27	7227.55	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	269.56	0.00	0.00	793.40	6.02	6697.69	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	269.67	0.00	0.00	793.40	3.93	6170.03	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	269.50	0.00	0.00	793.40	7.05	5639.08	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	195.59	0.00	0.00	793.40	3.95	5037.32	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	92.10	0.00	0.00	793.40	6.88	4329.14	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	92.21	0.00	0.00	462.82	1.96	3956.57	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	93.11	0.00	0.00	0.00	1.68	4048.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	92.27	0.00	0.00	0.00	1.70	4138.57	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	91.83	0.00	0.00	0.00	2.56	4227.84	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	92.10	0.00	0.00	0.00	3.70	4316.24	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	92.10	0.00	0.00	0.00	2.48	4405.86	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	92.21	0.00	0.00	0.00	3.75	4494.32	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	92.27	0.00	0.00	0.00	4.67	4581.92	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	34.94	0.00	0.00	0.00	4.74	4612.12	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.88	4607.24	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	5.48	4601.76	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.99	4596.77	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	4.47	4592.30	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.64	4586.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	3.54	4583.12	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	4579.59	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	3.42	4576.17	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.85	4574.32	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	3.40	4570.92	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2664.82	0.00	0.00	4958.75	133.10			0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	

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
						6995.45							6540.29							455.16
1	82.96	0.00	0.00	0.00	5.94	7072.47	1	82.96	0.00	0.00	0.00	5.55	6617.70	1	0.00	0.00	0.00	0.00	0.39	454.77
2	92.57	0.00	0.00	0.00	10.47	7154.57	2	92.57	0.00	0.00	0.00	9.80	6700.47	2	0.00	0.00	0.00	0.00	0.67	454.10
3	92.51	0.00	0.00	0.00	3.27	7243.81	3	92.51	0.00	0.00	0.00	3.06	6789.92	3	0.00	0.00	0.00	0.00	0.21	453.89
4	92.31	0.00	0.00	0.00	4.70	7331.42	4	92.31	0.00	0.00	0.00	4.41	6877.82	4	0.00	0.00	0.00	0.00	0.29	453.60
5	165.34	0.00	0.00	0.00	6.18	7490.58	5	165.34	0.00	0.00	0.00	5.80	7037.36	5	0.00	0.00	0.00	0.00	0.38	453.22
6	269.67	0.00	0.00	526.53	6.27	7227.45	6	269.67	0.00	0.00	73.69	5.89	7227.45	6	0.00	0.00	0.00	452.84	0.38	0.00
7	269.56	0.00	0.00	793.40	6.02	6697.59	7	269.56	0.00	0.00	793.40	6.02	6697.59	7	0.00	0.00	0.00	0.00	0.00	0.00
8	269.67	0.00	0.00	793.40	3.93	6169.93	8	269.67	0.00	0.00	793.40	3.93	6169.93	8	0.00	0.00	0.00	0.00	0.00	0.00
9	269.50	0.00	0.00	793.40	7.05	5638.98	9	269.50	0.00	0.00	793.40	7.05	5638.98	9	0.00	0.00	0.00	0.00	0.00	0.00
10	195.59	0.00	0.00	793.40	3.95	5037.22	10	195.59	0.00	0.00	793.40	3.95	5037.22	10	0.00	0.00	0.00	0.00	0.00	0.00
11	92.10	0.00	0.00	793.40	6.88	4329.04	11	92.10	0.00	0.00	793.40	6.88	4329.04	11	0.00	0.00	0.00	0.00	0.00	0.00
12	92.21	0.00	0.00	462.82	1.96	3956.47	12	92.21	0.00	0.00	462.82	1.96	3956.47	12	0.00	0.00	0.00	0.00	0.00	0.00
13	93.11	0.00	0.00	0.00	1.68	4047.90	13	93.11	0.00	0.00	0.00	1.68	4047.90	13	0.00	0.00	0.00	0.00	0.00	0.00
14	92.27	0.00	0.00	0.00	1.70	4138.47	14	92.27	0.00	0.00	0.00	1.70	4138.47	14	0.00	0.00	0.00	0.00	0.00	0.00
15	91.83	0.00	0.00	0.00	2.56	4227.74	15	91.83	0.00	0.00	0.00	2.56	4227.74	15	0.00	0.00	0.00	0.00	0.00	0.00
16	92.10	0.00	0.00	0.00	3.70	4316.14	16	92.10	0.00	0.00	0.00	3.70	4316.14	16	0.00	0.00	0.00	0.00	0.00	0.00
17	92.10	0.00	0.00	0.00	2.48	4405.76	17	92.10	0.00	0.00	0.00	2.48	4405.76	17	0.00	0.00	0.00	0.00	0.00	0.00
18	92.21	0.00	0.00	0.00	3.75	4494.22	18	92.21	0.00	0.00	0.00	3.75	4494.22	18	0.00	0.00	0.00	0.00	0.00	0.00
19	92.27	0.00	0.00	0.00	4.67	4581.82	19	92.27	0.00	0.00	0.00	4.67	4581.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	34.94	0.00	0.00	0.00	4.74	4612.02	20	34.94	0.00	0.00	0.00	4.74	4612.02	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.88	4607.14	21	0.00	0.00	0.00	0.00	4.88	4607.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	5.48	4601.66	22	0.00	0.00	0.00	0.00	5.48	4601.66	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.99	4596.67	23	0.00	0.00	0.00	0.00	4.99	4596.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	4.47	4592.20	24	0.00	0.00	0.00	0.00	4.47	4592.20	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.64	4586.56	25	0.00	0.00	0.00	0.00	5.64	4586.56	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	3.54	4583.02	26	0.00	0.00	0.00	0.00	3.54	4583.02	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	4579.49	27	0.00	0.00	0.00	0.00	3.53	4579.49	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	3.42	4576.07	28	0.00	0.00	0.00	0.00	3.42	4576.07	28	0.00	0.00	0.00	0.00	0.00	0.00





Pueblo Reservoir Release June

Downstream Deliveries						
	PBWW LT					
	(Comanche)	CSU LT				
6/1/15	5.00	(LAWMA TO JMR)				
6/2/15	7.44	83.33				
6/3/15	10.91	200.00	CSU LT			
6/4/15	16.11	200.00	(To JMR CPW)			
6/5/15	10.22	200.00	366.67			
6/6/15	3.29	200.00	800.00			
6/7/15	3.29	116.67	800.00			
6/8/15	0.73	-	800.00			
6/9/15	4.34		800.00			
6/10/15	8.79		433.33			
6/11/15	8.89		-			
6/12/15	7.81					
6/13/15	7.42					
6/14/15	7.50					
6/15/15	7.54					
6/16/15	6.57					
6/17/15	7.95					
6/18/15	8.05					
6/19/15	8.53					
6/20/15	8.99					
6/21/15	9.02					
6/22/15	17.12					
6/23/15	9.08					
6/24/15	20.27					
6/25/15	21.40					
6/26/15	21.48					
6/27/15	21.52	Riverside Dairy WW				
6/28/15	21.58	0.99				
6/29/15	10.12	0.99				
6/30/15	6.84	0.99				
		2.97	4000.00			



# Colorado Springs Utilities

*It's how we're all connected*

June 5, 2015

VIA EMAIL

Steve Witte  
Colorado Division of Water Resources  
Division 2 Engineer  
310 E. Abriendo Ave., Suite B  
Pueblo, CO 81004

Dear Mr. Witte:

Starting June 2, 2015, Colorado Springs Utilities began contract exchanging 1,000 acre-feet of fully reusable Arkansas River water in Pueblo Reservoir to the Board of Water Works of Pueblo (BWWP). Specifically, the water traded to BWWP is the fully-consumable portion of CSU's Colorado Canal right. This water will be delivered by LAWMA to the Offset Account in John Martin Reservoir to cover depletions to usable state-line flows caused by well pumping in Colorado.

BWWP/LAWMA are responsible for obtaining approval by the State Engineer or Division 2 Engineer, as well as all other necessary approvals required for delivery of this water from Pueblo Reservoir to John Martin Reservoir.

Please contact me at (719) 668-8748 if you have any questions.

Sincerely,

Kalsoum Abbasi, P.E.  
Senior Project Engineer

cc: Don Higbee  
Randy Hendrix  
Bill Tyner  
John Van Oort  
Charlie DiDomenico  
Alan Ward

121 South Tejon Street, Third Floor  
P.O. Box 1103, Mail Code 930  
Colorado Springs, CO 80947-0930

Phone 719.448.8888  
[www@csu.org](http://www@csu.org)



DEPARTMENT OF NATURAL RESOURCES

**DIVISION OF WATER RESOURCES**

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 18, 2015

David Barfield  
Kansas Chief Engineer  
Kansas Board of Agriculture  
901 S. Kansas Avenue, 2nd Floor  
Topeka, KS 66613-1383

RE: Notice of Delivery to the Offset Account in John Martin Reservoir – Keesee Water Right

Dear Mr. Barfield:

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 Keesee Ditch first described in the letter of April 13, 2015, which provided the initial notice of the delivery of water from this replacement source for 2015. This letter also serves to describe the operations in 2015.

**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**

LAWMA was able to store the consumable portion of half of the Keesee Ditch water right in the Offset Account in John Martin Reservoir except during times when John Martin Reservoir was in Conservation storage, which were significant in 2015. During times of storage, the return flow component was left in the river to prevent injury consistent with the provisions for maintaining return flows described in LAWMA’s decrees in Colorado Water Court Case 02CW181 and 05CW52.

The basic daily operation of the determination of the in-priority amount for the Keesee Ditch, computation of consumptive use component, 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 4.5 cfs for 1883). The relatively junior third priority Keesee Ditch water right (15 cfs for 1893) was not in priority in 2015 during times when John Martin Reservoir was not in conservation storage.

There were no days when inflows were determined to be only sufficient to fill the senior 1881 Keesee Ditch right or less, during 2015.

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 or bypassed for in-state replacement.
3. The consumable portion to be stored was then shown as an inflow to the Offset Account and deposited in the Colorado Downstream Consumable subaccount.
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 2015.

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

MONTH	C. U. Water to the Offset Account (ac-ft)	C. U. Water to In-State Replacement (ac-ft)
April	170.66	170.70
May	82.49	82.47
June	0.00	0.00
July	0.00	0.00
August	0.00	0.00
September	0.00	0.00
October	0.00	431.11
<b>Total</b>	<b>253.14</b>	<b>684.29</b>

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

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

1 Enclosure

cc: Kevin Salter Dale Book Rachel Zancanella  
Don Higbee Randy Hendrix Bill Tyner/Phil Reynolds/Charlie DiDomenico

Enclosure 1

Keesee Ditch Accounting for 2015

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
April, 2015**

<b>Date</b>	<b>Keesee in Priority (cfs)</b>	<b>Computed CU Water to Account 53 (ac-ft)</b>	<b>Keesee Bypassed for In-State (cfs)</b>	<b>Computed CU Water to Reach 11 (ac-ft)</b>
4/1/2015		0.00		0.00
4/2/2015		0.00		0.00
4/3/2015		0.00		0.00
4/4/2015		0.00		0.00
4/5/2015		0.00		0.00
4/6/2015		0.00		0.00
4/7/2015		0.00		0.00
4/8/2015		0.00		0.00
4/9/2015		0.00		0.00
4/10/2015		0.00		0.00
4/11/2015		0.00		0.00
4/12/2015		0.00		0.00
4/13/2015	0.00	0.00	0.00	0.00
4/14/2015	13.50	10.04	6.75	10.04
4/15/2015	13.50	10.04	6.75	10.04
4/16/2015	13.50	10.04	6.75	10.04
4/17/2015	13.50	10.04	6.75	10.04
4/18/2015	13.50	10.04	6.75	10.04
4/19/2015	13.50	10.04	6.75	10.04
4/20/2015	13.50	10.04	6.75	10.04
4/21/2015	13.50	10.04	6.75	10.04
4/22/2015	13.50	10.04	6.75	10.04
4/23/2015	13.50	10.04	6.75	10.04
4/24/2015	13.50	10.04	6.75	10.04
4/25/2015	13.50	10.04	6.75	10.04
4/26/2015	13.50	10.04	6.75	10.04
4/27/2015	13.50	10.04	6.75	10.04
4/28/2015	13.50	10.04	6.75	10.04
4/29/2015	13.50	10.04	6.75	10.04
4/30/2015	13.50	10.04	6.75	10.04
<b>Total Diversion AF=</b>	<b>455.21</b>	<b>170.66</b>	<b>227.61</b>	<b>170.70</b>
<b>Max Diversion AF=</b>	<b>862.00</b>	<b>Actual Diversion AF=</b>	<b>682.82</b>	<b>AF</b>
<b>Max Monthly CU AF=</b>	<b>646.50</b>	<b>Actual CU AF=</b>	<b>341.36</b>	<b>AF</b>

End of Month Adjustment= 0.00 AF

**CU factor for April = 75.0%**  
**Cumulative Annual Diversion AF= 682.82**  
**Maximum Annual Diversion AF= 5006**

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
May, 2015**

Date	Keesee in Priority	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11
	(cfs)	(ac-ft)	(cfs)	(ac-ft)
5/1/2015	13.50	10.31	6.75	10.31
5/2/2015	13.50	10.31	6.75	10.31
5/3/2015	13.50	10.31	6.75	10.31
5/4/2015	13.50	10.31	6.75	10.31
5/5/2015	13.50	10.31	6.75	10.31
5/6/2015	13.50	10.31	6.75	10.31
5/7/2015	13.50	10.31	6.75	10.31
5/8/2015	13.50	10.31	6.75	10.31
5/9/2015	0.00	0.00	0.00	0.00
5/10/2015	0.00	0.00	0.00	0.00
5/11/2015	0.00	0.00	0.00	0.00
5/12/2015	0.00	0.00	0.00	0.00
5/13/2015	0.00	0.00	0.00	0.00
5/14/2015	0.00	0.00	0.00	0.00
5/15/2015	0.00	0.00	0.00	0.00
5/16/2015	0.00	0.00	0.00	0.00
5/17/2015	0.00	0.00	0.00	0.00
5/18/2015	0.00	0.00	0.00	0.00
5/19/2015	0.00	0.00	0.00	0.00
5/20/2015	0.00	0.00	0.00	0.00
5/21/2015	0.00	0.00	0.00	0.00
5/22/2015	0.00	0.00	0.00	0.00
5/23/2015	0.00	0.00	0.00	0.00
5/24/2015	0.00	0.00	0.00	0.00
5/25/2015	0.00	0.00	0.00	0.00
5/26/2015	0.00	0.00	0.00	0.00
5/27/2015	0.00	0.00	0.00	0.00
5/28/2015	0.00	0.00	0.00	0.00
5/29/2015	0.00	0.00	0.00	0.00
5/30/2015	0.00	0.00	0.00	0.00
5/31/2015	0.00	0.00	0.00	0.00
<b>Total Diversion AF=</b>	<b>214.22</b>	<b>82.49</b>	<b>107.11</b>	<b>82.47</b>
<b>Max Diversion AF=</b>	<b>445.00</b>	<b>Actual Diversion AF=</b>	<b>321.33</b>	<b>AF</b>
<b>Max Monthly CU AF</b>	<b>342.65</b>	<b>Actual CU AF=</b>	<b>164.96</b>	<b>AF</b>

End of Month Adjustment= 0.00 AF

CU factor for May = 77.0%  
 Cumulative Annual Diversion AF= 1004.15  
 Maximum Annual Diversion AF= 5006

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
June, 2015**

Date	Keesee in Priority	Computed CU Water to	Keesee	Computed CU
	(cfs)	Account 53	Bypassed	Water to
		(ac-ft)	for In-State	Reach 11
			(cfs)	(ac-ft)
6/1/2015	0.00	0.00	0.00	0.00
6/2/2015	0.00	0.00	0.00	0.00
6/3/2015	0.00	0.00	0.00	0.00
6/4/2015	0.00	0.00	0.00	0.00
6/5/2015	0.00	0.00	0.00	0.00
6/6/2015	0.00	0.00	0.00	0.00
6/7/2015	0.00	0.00	0.00	0.00
6/8/2015	0.00	0.00	0.00	0.00
6/9/2015	0.00	0.00	0.00	0.00
6/10/2015	0.00	0.00	0.00	0.00
6/11/2015	0.00	0.00	0.00	0.00
6/12/2015	0.00	0.00	0.00	0.00
6/13/2015	0.00	0.00	0.00	0.00
6/14/2015	0.00	0.00	0.00	0.00
6/15/2015	0.00	0.00	0.00	0.00
6/16/2015	0.00	0.00	0.00	0.00
6/17/2015	0.00	0.00	0.00	0.00
6/18/2015	0.00	0.00	0.00	0.00
6/19/2015	0.00	0.00	0.00	0.00
6/20/2015	0.00	0.00	0.00	0.00
6/21/2015	0.00	0.00	0.00	0.00
6/22/2015	0.00	0.00	0.00	0.00
6/23/2015	0.00	0.00	0.00	0.00
6/24/2015	0.00	0.00	0.00	0.00
6/25/2015	0.00	0.00	0.00	0.00
6/26/2015	0.00	0.00	0.00	0.00
6/27/2015	0.00	0.00	0.00	0.00
6/28/2015	0.00	0.00	0.00	0.00
6/29/2015	0.00	0.00	0.00	0.00
6/30/2015	0.00	0.00	0.00	0.00
Total Diversion AF=	0.00	0.00	0.00	0.00
Max Diversion AF=	1350.00	Actual Diversion AF=	0.00	AF
Max Monthly CU AF=	985.50	Actual CU AF=	0.00	AF

End of Month Adjustment= 0.00 AF

CU factor for June = 73.0%  
 Cumulative Annual Diversion AF= 1004.15  
 Maximum Annual Diversion AF= 5006



**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
July, 2015**

Date	Keesee in Priority	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11
	(cfs)	(ac-ft)	(cfs)	(ac-ft)
7/1/2015	0.00	0.00	0.00	0.00
7/2/2015	0.00	0.00	0.00	0.00
7/3/2015	0.00	0.00	0.00	0.00
7/4/2015	0.00	0.00	0.00	0.00
7/5/2015	0.00	0.00	0.00	0.00
7/6/2015	0.00	0.00	0.00	0.00
7/7/2015	0.00	0.00	0.00	0.00
7/8/2015	0.00	0.00	0.00	0.00
7/9/2015	0.00	0.00	0.00	0.00
7/10/2015	0.00	0.00	0.00	0.00
7/11/2015	0.00	0.00	0.00	0.00
7/12/2015	0.00	0.00	0.00	0.00
7/13/2015	0.00	0.00	0.00	0.00
7/14/2015	0.00	0.00	0.00	0.00
7/15/2015	0.00	0.00	0.00	0.00
7/16/2015	0.00	0.00	0.00	0.00
7/17/2015	0.00	0.00	0.00	0.00
7/18/2015	0.00	0.00	0.00	0.00
7/19/2015	0.00	0.00	0.00	0.00
7/20/2015	0.00	0.00	0.00	0.00
7/21/2015	0.00	0.00	0.00	0.00
7/22/2015	0.00	0.00	0.00	0.00
7/23/2015	0.00	0.00	0.00	0.00
7/24/2015	0.00	0.00	0.00	0.00
7/25/2015	0.00	0.00	0.00	0.00
7/26/2015	0.00	0.00	0.00	0.00
7/27/2015	0.00	0.00	0.00	0.00
7/28/2015	0.00	0.00	0.00	0.00
7/29/2015	0.00	0.00	0.00	0.00
7/30/2015	0.00	0.00	0.00	0.00
7/31/2015	0.00	0.00	0.00	0.00
Total Diversion AF=	0.00	0.00	0.00	0.00
Max Diversion AF=	890.00	Actual Diversion AF=	0.00	AF
Max Monthly CU AF=	658.60	Actual CU AF=	0.00	AF

End of Month Adjustment= 0.00 AF

CU factor for July = **74.0%**  
 Cumulative Annual Diversion AF= 1004.15 Adjusted Max 625  
 Maximum Annual Diversion AF= 5006

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
August, 2015**

Date	Keesee in Priority	Computed CU Water to Account 53	Keesee Bypassed for In-State	Computed CU Water to Reach 11
	(cfs)	(ac-ft)	(cfs)	(ac-ft)
8/1/2015	0.00	0.00	0.00	0.00
8/2/2015	0.00	0.00	0.00	0.00
8/3/2015	0.00	0.00	0.00	0.00
8/4/2015	0.00	0.00	0.00	0.00
8/5/2015	0.00	0.00	0.00	0.00
8/6/2015	0.00	0.00	0.00	0.00
8/7/2015	0.00	0.00	0.00	0.00
8/8/2015	0.00	0.00	0.00	0.00
8/9/2015	0.00	0.00	0.00	0.00
8/10/2015	0.00	0.00	0.00	0.00
8/11/2015	0.00	0.00	0.00	0.00
8/12/2015	0.00	0.00	0.00	0.00
8/13/2015	0.00	0.00	0.00	0.00
8/14/2015	0.00	0.00	0.00	0.00
8/15/2015	0.00	0.00	0.00	0.00
8/16/2015	0.00	0.00	0.00	0.00
8/17/2015	0.00	0.00	0.00	0.00
8/18/2015	0.00	0.00	0.00	0.00
8/19/2015	0.00	0.00	0.00	0.00
8/20/2015	0.00	0.00	0.00	0.00
8/21/2015	0.00	0.00	0.00	0.00
8/22/2015	0.00	0.00	0.00	0.00
8/23/2015	0.00	0.00	0.00	0.00
8/24/2015	0.00	0.00	0.00	0.00
8/25/2015	0.00	0.00	0.00	0.00
8/26/2015	0.00	0.00	0.00	0.00
8/27/2015	0.00	0.00	0.00	0.00
8/28/2015	0.00	0.00	0.00	0.00
8/29/2015	0.00	0.00	0.00	0.00
8/30/2015	0.00	0.00	0.00	0.00
8/31/2015	0.00	0.00	0.00	0.00
Total Diversion AF=	0.00	0.00	0.00	0.00
Max Diversion AF=	891.00	Actual Diversion AF=	0.00	AF
Max Monthly CU AF=	623.70	Actual CU AF=	0.00	AF

End of Month Adjustment= 0.00 AF

**CU factor for August = 70.0%**  
 Cumulative Annual Diversion AF= 1004.15  
 Maximum Annual Diversion AF= 5006

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
September, 2015**

Date	Keesee in Priority	Computed CU Water to	Keesee Bypassed	Computed CU
	(cfs)	Account 53 or 55	for In-State	Water to
		(ac-ft)	(cfs)	Reach 11
				(ac-ft)
9/1/2015	0.00	0.00	0.00	0.00
9/2/2015	0.00	0.00	0.00	0.00
9/3/2015	0.00	0.00	0.00	0.00
9/4/2015	0.00	0.00	0.00	0.00
9/5/2015	0.00	0.00	0.00	0.00
9/6/2015	0.00	0.00	0.00	0.00
9/7/2015	0.00	0.00	0.00	0.00
9/8/2015	0.00	0.00	0.00	0.00
9/9/2015	0.00	0.00	0.00	0.00
9/10/2015	0.00	0.00	0.00	0.00
9/11/2015	0.00	0.00	0.00	0.00
9/12/2015	0.00	0.00	0.00	0.00
9/13/2015	0.00	0.00	0.00	0.00
9/14/2015	0.00	0.00	0.00	0.00
9/15/2015	0.00	0.00	0.00	0.00
9/16/2015	0.00	0.00	0.00	0.00
9/17/2015	0.00	0.00	0.00	0.00
9/18/2015	0.00	0.00	0.00	0.00
9/19/2015	0.00	0.00	0.00	0.00
9/20/2015	0.00	0.00	0.00	0.00
9/21/2015	0.00	0.00	0.00	0.00
9/22/2015	0.00	0.00	0.00	0.00
9/23/2015	0.00	0.00	0.00	0.00
9/24/2015	0.00	0.00	0.00	0.00
9/25/2015	0.00	0.00	0.00	0.00
9/26/2015	0.00	0.00	0.00	0.00
9/27/2015	0.00	0.00	0.00	0.00
9/28/2015	0.00	0.00	0.00	0.00
9/29/2015	0.00	0.00	0.00	0.00
9/30/2015	0.00	0.00	0.00	0.00
Total Diversion AF=	0.00	0.00	0.00	0.00
Max Diversion AF=	862.00	Actual Diversion AF=	0.00	AF
Max Monthly CU AF=	560.30	Actual CU AF=	0.00	AF

End of Month Adjustment= 0.00 AF

CU factor for September = 65.0%  
 Cumulative Annual Diversion AF= 1004.15  
 Maximum Annual Diversion AF= 5006

**Deliveries from Keesee Ditch for Consumptive Use Credit  
to Offset Account or to Reach 11  
October, 2015**

Date	Keesee in Priority	Computed CU Water to	Keesee	Computed
	(cfs)	Account 53 or 55	Bypassed	CU Water to
		(ac-ft)	for In-State	Reach 11
			(cfs)	(ac-ft)
10/1/2015	0.00	0.00	0.00	0.00
10/2/2015	0.00	0.00	0.00	0.00
10/3/2015	0.00	0.00	0.00	0.00
10/4/2015	13.50	0.00	13.50	15.40
10/5/2015	13.50	0.00	13.50	15.40
10/6/2015	13.50	0.00	13.50	15.40
10/7/2015	13.50	0.00	13.50	15.40
10/8/2015	13.50	0.00	13.50	15.40
10/9/2015	13.50	0.00	13.50	15.40
10/10/2015	13.50	0.00	13.50	15.40
10/11/2015	13.50	0.00	13.50	15.40
10/12/2015	13.50	0.00	13.50	15.40
10/13/2015	13.50	0.00	13.50	15.40
10/14/2015	13.50	0.00	13.50	15.40
10/15/2015	13.50	0.00	13.50	15.40
10/16/2015	13.50	0.00	13.50	15.40
10/17/2015	13.50	0.00	13.50	15.40
10/18/2015	13.50	0.00	13.50	15.40
10/19/2015	13.50	0.00	13.50	15.40
10/20/2015	13.50	0.00	13.50	15.40
10/21/2015	13.50	0.00	13.50	15.40
10/22/2015	13.50	0.00	13.50	15.40
10/23/2015	13.50	0.00	13.50	15.40
10/24/2015	13.50	0.00	13.50	15.40
10/25/2015	13.50	0.00	13.50	15.40
10/26/2015	13.50	0.00	13.50	15.40
10/27/2015	13.50	0.00	13.50	15.40
10/28/2015	13.50	0.00	13.50	15.40
10/29/2015	13.50	0.00	13.50	15.40
10/30/2015	13.50	0.00	13.50	15.40
10/31/2015	13.50	0.00	13.50	15.40
<b>Total Diversion AF=</b>	<b>749.76</b>	<b>0.00</b>	<b>749.76</b>	<b>431.11</b>
<b>Max Diversion AF=</b>	<b>890.00</b>	<b>Actual Diversion AF=</b>	<b>749.76</b>	<b>AF</b>
<b>Max Monthly CU AF=</b>	<b>511.75</b>	<b>Actual CU AF=</b>	<b>431.11</b>	<b>AF</b>

End of Month Adjustment= 0.00 AF

**CU factor for October = 57.5%**  
**Cumulative Annual Diversion AF= 2503.67**  
**Maximum Annual Diversion AF= 5006**  
**End of Year Adjustment= 0.00 AF**

### Summary of Deliveries to the Offset Account and for In-State Replacement

Month	CU Amount to Offset Acct	CU Amount to In-State
	(AF)	(AF)
Apr-15	170.66	170.70
May-15	82.49	82.47
Jun-15	0.00	0.00
Jul-15	0.00	0.00
Aug-15	0.00	0.00
Sep-15	0.00	0.00
Oct-15	0.00	431.11
	253.14	684.29



## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 23, 2015

David Barfield  
Kansas Chief Engineer (Acting)  
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. Barfield:

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 reporting of deliveries to the Offset Account from the Lower Arkansas Water Management Association’s (LAWMA) shares of the Highland Irrigation Company. This letter also serves to describe the operations in 2015, first described in the letter of June 2, 2015, which provided the initial notice of the delivery of water from this replacement source for 2015.

### **Summary**

For the majority of the 2015 irrigation season LAWMA delivered the Highland water right to the Offset Account, however for part of the season LAWMA needed to use the Highland consumable water to meet in-state obligations by delivering the water through John Martin Reservoir and not storing in the Offset Account.

During 2015 there were several anomalies in the accounting process that occurred. The first occurred in May 2015 when it was discovered that the daily inflows to the Offset Account calculated from the accounting spreadsheet had not been included in the John Martin Reservoir (JMAS) accounting. Via an e-mail discussion between Colorado and Kansas on May 28<sup>th</sup> and 29<sup>th</sup>, 2015 a correction was made in the accounting to inflow the amounts calculated from May 10<sup>th</sup> through May 28<sup>th</sup> as a correction on May 28<sup>th</sup> in the JMAS accounting with a consideration for the daily evaporation that would have occurred had the inflows been done timely.

The second anomaly occurred when the monthly limit for the Highland Canal credits was reached and exceeded in May and in June resulting in an over-delivery to the Offset Account during conservation

storage in John Martin Reservoir. This over-delivery was not detected until the final review of the accounting occurred at the end of the season.

The final adjustment to the Highland Canal accounting came as a result of the disqualification of the majority of the dry-up associated with the Spady tract for the shares changed in LAWMA's 10CW85 case. All but one parcel (representing 7% of the dry-up lands) were disqualified due to failure to comply with Appendix B.3 dry-up requirements. An adjustment was made to reduce the credits associated with these shares in the final Highland accounting.

Upon review of these changes with Kansas, it was determined that the adjustment to the over-delivery to the Offset Account should be made in the November 1<sup>st</sup> accounting for the new Compact Year to transfer 806.59 acre-feet from the Colorado Downstream Consumable subaccount to Conservation Storage in the JMAS accounting. Colorado will work with LAWMA to implement better checks and balances to avoid this type of issue in the accounting for 2016 and following years.

Enclosure 1 contains the accounting spreadsheets used to determine the original credits from the Highland Canal for 2015 that resulted in the JMAS accounting to be presented in the Offset Account Report and Operation Secretary's Report. Enclosure 2 contains the accounting spreadsheets used to determine the revised credits from the Highland Canal for 2015 that should have been applied in order to calculate the amount to transfer on November 1, 2015. Enclosure 3 contains the spreadsheet used to estimate the evaporation that occurred on the amount over-delivered to the Offset Account. This spreadsheet also serves to show that, with the corrections for over-delivery, deliveries to the Offset Account did not exceed the 10,000 acre-feet covered by LAWMA's original 500 acre-foot storage charge payment.

The following table summarizes the actual deliveries of water into the Offset Account during the reporting period from the Highland Canal water rights.

MONTH	C. U. Water to the Offset Account (ac-ft)	C. U. Water to In- State Replacement (ac-ft)
April	0.00	414.14
May	1621.13	231.97
June	1778.69	0.00
July	1594.12	0.00
August	1053.24	0.00
September	66.93	0.00
October	3.71	242.55
Total	6117.82	888.66

David Barfield  
November 23, 2015

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

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

3 Enclosures

cc: Kevin Salter Dale Book Don Higbee Randy Hendrix  
Bill Tyner Phil Reynolds Charlie DiDomenico Rachel Zancanella



Enclosure 1

Original Highland Canal Accounting for 2015

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
April, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
4/1/2015	13.80	0.00	No	13.80	13.80	13.15	0.65	0.017	0.006	0.021	0.05337	acre ft	13.80	20.0	233.0	253.0	0.290	0.290	0.126
4/2/2015	13.00	0.00	No	13.00	13.00	12.39	0.61	0.017	0.006	0.026	0.05926	15.97	13.00	26.0	167.0	193	0.290	0.290	0.155
4/3/2015	11.80	0.00	No	11.80	11.80	11.25	0.55	0.017	0.006	0.032	0.06597	14.95	11.80	36.0	78.0	114	0.290	0.290	0.188
4/4/2015	23.00	0.00	No	23.00	23.00	21.92	1.08	0.017	0.006	0.040	0.07512	13.47	23.00	41.0	52.0	93	0.290	0.290	0.233
4/5/2015	28.10	0.00	No	28.10	28.10	26.79	1.31	0.017	0.006	0.040	0.07512	26.00	28.10	40.0	43.0	83	0.290	0.290	0.233
4/6/2015	33.80	0.00	No	33.80	33.80	32.22	1.58	0.017	0.006	0.040	0.07512	31.77	33.80	35.0	41.0	76	0.290	0.290	0.233
4/7/2015	23.90	0.00	No	23.90	23.90	22.78	1.12	0.017	0.006	0.040	0.07512	38.21	23.90	31.0	36.0	67	0.290	0.290	0.233
4/8/2015	17.70	0.00	Yes	17.70	17.70	16.87	0.83	0.017	0.006	0.040	0.07512	27.02	17.70	26.0	33.0	59	0.290	0.290	0.233
4/9/2015	14.80	0.00	Yes	14.80	14.80	14.11	0.69	0.017	0.006	0.040	0.07512	20.01	14.80	22.0	32.0	54	0.290	0.290	0.233
4/10/2015	15.70	0.00	Yes	15.70	15.70	14.97	0.73	0.017	0.006	0.040	0.07512	16.73	15.70	23.0	31.0	54	0.290	0.290	0.233
4/11/2015	15.20	0.00	Yes	15.20	15.20	14.49	0.71	0.017	0.006	0.040	0.07512	17.75	15.20	23.0	30.0	53	0.290	0.290	0.233
4/12/2015	12.20	0.00	Yes	12.20	12.20	11.63	0.57	0.017	0.006	0.040	0.07512	17.18	12.20	22.0	29.0	51	0.290	0.290	0.233
4/13/2015	10.50	0.00	Yes	10.50	10.50	10.01	0.49	0.017	0.006	0.040	0.07512	13.79	10.50	20.0	33.0	53	0.290	0.290	0.233
4/14/2015	9.23	0.00	Yes	9.23	9.23	8.80	0.43	0.017	0.006	0.040	0.07512	11.87	9.23	18.0	33.0	51	0.290	0.290	0.233
4/15/2015	7.84	0.00	Yes	7.84	7.84	7.47	0.37	0.017	0.006	0.049	0.08671	10.43	7.84	17.0	28.0	45	0.290	0.290	0.290
4/16/2015	7.84	0.00	Yes	7.84	7.84	7.47	0.37	0.017	0.006	0.049	0.08671	8.75	7.84	18.0	28.0	46	0.290	0.290	0.290
4/17/2015	9.03	0.00	Yes	9.03	9.03	8.61	0.42	0.017	0.006	0.040	0.07512	8.75	9.03	19.0	32.0	51	0.290	0.290	0.233
4/18/2015	6.96	0.00	Yes	6.96	6.96	6.63	0.33	0.017	0.006	0.040	0.07512	10.21	6.96	17.0	46.0	63	0.290	0.290	0.233
4/19/2015	7.98	0.00	Yes	7.98	7.98	7.61	0.37	0.017	0.006	0.032	0.06597	7.87	7.98	18.0	96.0	114	0.290	0.290	0.188
4/20/2015	7.41	0.00	Yes	7.41	7.41	7.06	0.35	0.017	0.006	0.021	0.05337	9.11	7.41	17.0	252.0	269	0.290	0.290	0.126
4/21/2015	7.40	0.00	Yes	7.40	7.40	7.05	0.35	0.017	0.006	0.019	0.05011	8.57	7.40	17.0	287.0	304	0.290	0.290	0.110
4/22/2015	6.95	0.00	Yes	6.95	6.95	6.62	0.33	0.017	0.006	0.019	0.05011	8.59	6.95	16.0	324.0	340	0.290	0.290	0.110
4/23/2015	7.47	0.00	Yes	7.47	7.47	7.12	0.35	0.017	0.006	0.019	0.05011	8.07	7.47	17.0	308.0	325.0	0.290	0.290	0.110
4/24/2015	9.43	0.00	Yes	9.43	9.43	8.99	0.44	0.017	0.006	0.021	0.05337	8.67	9.43	17.0	220.0	237.0	0.290	0.290	0.126
4/25/2015	9.45	0.00	Yes	9.45	9.45	9.01	0.44	0.017	0.006	0.021	0.05337	10.91	9.45	18.0	184.0	202.0	0.290	0.290	0.126
4/26/2015	8.48	0.00	Yes	8.48	8.48	8.08	0.40	0.017	0.006	0.021	0.05337	10.93	8.48	17.0	199.0	216.0	0.290	0.290	0.126
4/27/2015	8.70	0.00	Yes	8.70	8.70	8.29	0.41	0.017	0.006	0.021	0.05337	9.81	8.70	13.0	240.0	253.0	0.290	0.290	0.126
4/28/2015	8.24	0.00	Yes	8.24	8.24	7.85	0.39	0.017	0.006	0.019	0.05011	10.07	8.24	13.0	297.0	310.0	0.290	0.290	0.110
4/29/2015	7.79	0.00	Yes	7.79	7.79	7.43	0.36	0.017	0.006	0.014	0.04401	9.57	7.79	12.0	566.0	578.0	0.290	0.290	0.080
4/30/2015	7.60	0.00	Yes	7.60	7.60	7.24	0.36	0.017	0.006	0.014	0.04401	9.10	7.60	12.0	721.0	733.0	0.290	0.290	0.080
5/1/2015												8.88							

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	<b>702</b>	<b>34</b>	
MAX =	1445	71	<<Normally 1445 for 02CW181 and 71 for 10CW85
Exceeded?	No	No	
02CW181 CU factor for April =	61.6%		
10CW85 CU factor for April =	62.1%		
02CW181 LAWMA SHARES =	3402		
10CW85 LAWMA SHARES =	167		
DIVERTED SHARES =	231		
TOTAL SHARES =	3800		
02CW181 Cumulative Annual LAWMA=	<b>702</b>		
02CW181 Annual Limit LAWMA=	12862		
10CW85 Cumulative Annual Leased=	<b>34</b>		
10CW85 Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
April, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
4/2/2015	13.80	13.80	0.05337	13.06	25.91	15.97	0.81	15.97	0.00
4/3/2015	13.00	13.00	0.05926	12.23	24.26	14.95	0.85	14.95	0.00
4/4/2015	11.80	11.80	0.06597	11.02	21.86	13.47	0.86	13.47	0.00
4/5/2015	23.00	23.00	0.07512	21.27	42.19	26.00	1.90	26.00	0.00
4/6/2015	28.10	28.10	0.07512	25.99	51.55	31.77	2.32	31.77	0.00
4/7/2015	33.80	33.80	0.07512	31.26	62.01	38.21	2.79	38.21	0.00
4/8/2015	23.90	23.90	0.07512	22.10	43.84	27.02	1.97	27.02	0.00
4/9/2015	17.70	17.70	0.07512	16.37	32.47	20.01	1.46	20.01	0.00
4/10/2015	14.80	14.80	0.07512	13.69	27.15	16.73	1.22	16.73	0.00
4/11/2015	15.70	15.70	0.07512	14.52	28.80	17.75	1.30	17.75	0.00
4/12/2015	15.20	15.20	0.07512	14.06	27.88	17.18	1.26	17.18	0.00
4/13/2015	12.20	12.20	0.07512	11.28	22.38	13.79	1.01	13.79	0.00
4/14/2015	10.50	10.50	0.07512	9.71	19.26	11.87	0.87	11.87	0.00
4/15/2015	9.23	9.23	0.07512	8.54	16.93	10.43	0.76	10.43	0.00
4/16/2015	7.84	7.84	0.08671	7.16	14.20	8.75	0.75	8.75	0.00
4/17/2015	7.84	7.84	0.08671	7.16	14.20	8.75	0.75	8.75	0.00
4/18/2015	9.03	9.03	0.07512	8.35	16.57	10.21	0.75	10.21	0.00
4/19/2015	6.96	6.96	0.07512	6.44	12.77	7.87	0.57	7.87	0.00
4/20/2015	7.98	7.98	0.06597	7.45	14.78	9.11	0.58	9.11	0.00
4/21/2015	7.41	7.41	0.05337	7.01	13.91	8.57	0.43	8.57	0.00
4/22/2015	7.40	7.40	0.05011	7.03	13.94	8.59	0.41	8.59	0.00
4/23/2015	6.95	6.95	0.05011	6.60	13.09	8.07	0.38	8.07	0.00
4/24/2015	7.47	7.47	0.05011	7.10	14.07	8.67	0.41	8.67	0.00
4/25/2015	9.43	9.43	0.05337	8.93	17.71	10.91	0.55	10.91	0.00
4/26/2015	9.45	9.45	0.05337	8.95	17.74	10.93	0.55	10.93	0.00
4/27/2015	8.48	8.48	0.05337	8.03	15.92	9.81	0.50	9.81	0.00
4/28/2015	8.70	8.70	0.05337	8.24	16.34	10.07	0.51	10.07	0.00
4/29/2015	8.24	8.24	0.05011	7.83	15.53	9.57	0.45	9.57	0.00
4/30/2015	7.79	7.79	0.04401	7.45	14.77	9.10	0.38	9.10	0.00
5/1/2015	7.60	7.60	0.04401	7.27	14.41	8.88	0.37	8.88	0.00
						423.03	27.72	423.03	0.00
						423.03	27.35	414.14	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
May, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
5/1/2015	85.00	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.006	0.014	0.03992	acre ft	85.0	33.00	669.00	702	0.233	0.290	0.080
5/2/2015	99.70	0.00	Yes	62.50	24.00	22.88	1.12	0.014	0.005	0.014	0.03856	30.91	99.7	59.00	533.00	592	0.233	0.233	0.080
5/3/2015	122.00	0.00	Yes	62.50	24.00	22.88	1.12	0.011	0.005	0.014	0.03533	30.95	122.0	75.00	456.00	531	0.188	0.233	0.080
5/4/2015	96.00	1.34	Yes	62.50	22.66	21.60	1.06	0.014	0.005	0.019	0.04466	31.06	96.0	62.00	417.00	479	0.233	0.233	0.110
5/5/2015	82.00	0.42	Yes	62.50	23.58	22.48	1.10	0.014	0.005	0.019	0.04466	29.04	82.0	59.00	382.00	441	0.233	0.233	0.110
5/6/2015	973.00	0.13	Yes	62.50	23.88	22.76	1.12	0.005	0.002	0.014	0.02392	30.22	973.0	521.00	357.00	878	0.080	0.080	0.080
5/7/2015	572.00	0.38	Yes	62.50	23.62	22.52	1.11	0.005	0.002	0.014	0.02464	31.26	572.0	361.00	467.00	828	0.080	0.110	0.080
5/8/2015	279.00	17.30	Yes	62.50	6.70	6.39	0.31	0.008	0.003	0.014	0.02832	30.91	279.0	291.00	771.00	1062	0.126	0.126	0.080
5/9/2015	138.00	0.00	No	62.50	62.50	59.58	2.92	0.011	0.003	0.000	0.0172	8.73	138.0	182.00	1620.00	1802	0.188	0.155	FALSE
5/10/2015	99.80	0.00	No	62.50	62.50	59.58	2.92	0.014	0.004	0.000	0.02122	82.40	99.8	116.00	1940.00	2056	0.233	0.188	FALSE
5/11/2015	77.20	0.00	No	62.50	62.50	59.58	2.92	0.014	0.005	0.000	0.02229	82.06	77.2	91.00	2290.00	2381	0.233	0.233	FALSE
5/12/2015	60.70	0.00	No	60.70	60.70	57.86	2.84	0.014	0.005	0.000	0.02229	81.97	60.7	56.00	3010.00	3066	0.233	0.233	FALSE
5/13/2015	61.20	0.00	No	61.20	61.20	58.34	2.86	0.014	0.005	0.000	0.02229	79.61	61.2	85.00	3540.00	3625	0.233	0.233	FALSE
5/14/2015	59.90	0.00	No	59.90	59.90	57.10	2.80	0.014	0.005	0.000	0.02229	80.27	59.9	88.00	3050.00	3138	0.233	0.233	FALSE
5/15/2015	45.60	0.00	No	45.60	45.60	43.47	2.13	0.017	0.005	0.000	0.02638	78.56	45.6	82.00	3260.00	3342	0.290	0.233	FALSE
5/16/2015	34.90	0.00	No	34.90	34.90	33.27	1.63	0.017	0.005	0.000	0.02638	59.56	34.9	77.00	2520.00	2597	0.290	0.233	FALSE
5/17/2015	33.70	0.00	No	33.70	33.70	32.12	1.58	0.017	0.005	0.000	0.02638	45.58	33.7	73.00	1250.00	1323	0.290	0.233	FALSE
5/18/2015	28.20	0.00	No	28.20	28.20	26.88	1.32	0.017	0.005	0.014	0.04265	44.02	28.2	71.00	1030.00	1101	0.290	0.233	0.080
5/19/2015	40.10	1.29	No	41.39	40.10	38.22	1.88	0.017	0.004	0.000	0.02531	36.22	40.1	127.00	1990.00	2117	0.290	0.188	FALSE
5/20/2015	824.00	0.00	No	62.50	62.50	59.58	2.92	0.005	0.003	0.000	0.00875	52.43	824.0	281.00	2610.00	2891	0.080	0.126	FALSE
5/21/2015	4010.00	0.00	No	62.50	62.50	59.58	2.92	0.000	0.000	0.000	0	83.11	4010.0	2340.00	3090.00	5430	FALSE	FALSE	FALSE
5/22/2015	1210.00	0.00	No	62.50	62.50	59.58	2.92	0.000	0.000	0.000	0	83.84	1210.0	1730.00	4770.00	6500	FALSE	FALSE	FALSE
5/23/2015	783.00	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.000	0.00765	83.84	783.0	640.00	4890.00	5530	0.080	0.080	FALSE
5/24/2015	6.50	0.00	No	6.50	6.50	6.20	0.30	0.017	0.002	0.000	0.02272	83.20	6.5	590.00	4260.00	4850	0.290	0.080	FALSE
5/25/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.002	0.000	0.02344	8.52	0.0	442.00	5390.00	5832	0.290	0.110	FALSE
5/26/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	265.00	4990.00	5255	0.290	0.126	FALSE
5/27/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	208.00	4030.00	4238	0.290	0.126	FALSE
5/28/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02452	0.00	0.0	180.00	3910.00	4090	0.290	0.155	FALSE
5/29/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02452	0.00	0.0	195.00	4180.00	4375	0.290	0.155	FALSE
5/30/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	215.00	4430.00	4645	0.290	0.126	FALSE
5/31/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.002	0.000	0.02344	0.00	0.0	301.00	4200.00	4501	0.290	0.110	FALSE
6/1/2015	607.00	0.00	No					0.005	0.002	0.000	0.00765	0.00	607.0	517.00	4220.00	4737	0.080	0.080	FALSE

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for May =	67.6%	TOTAL AF	1854	52
10CW85 CU factor for May =	68.3%	MAX =	1854	91
02CW181 LAWMA SHARES =	3402	Exceeded?	Yes	No
10CW85 LAWMA SHARES =	167	02CW181 Cumulative Annual LAWMA=	2556	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	86	
		10CW85 Annual Limit Leased=	602	

<<Normally 1854 for 02CW181 and 91 for 10CW85

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
May, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
5/2/2015	24.00	24.00	0.03992	23.04	45.70	30.91	1.16	30.91	0.00
5/3/2015	24.00	24.00	0.03856	23.07	45.77	30.95	1.12	30.95	0.00
5/4/2015	24.00	24.00	0.03533	23.15	45.92	31.06	1.02	31.06	0.00
5/5/2015	22.66	22.66	0.04466	21.65	42.94	29.04	1.22	29.04	0.00
5/6/2015	23.58	23.58	0.04466	22.53	44.69	30.22	1.27	30.22	0.00
5/7/2015	23.88	23.88	0.02392	23.30	46.22	31.26	0.69	31.26	0.00
5/8/2015	23.62	23.62	0.02464	23.04	45.70	30.91	0.70	30.91	0.00
5/9/2015	6.70	6.70	0.02832	6.51	12.91	8.73	0.23	8.73	0.00
5/10/2015	62.50	62.50	0.01720	61.43	121.84	82.40	1.30	0.00	0.00
5/11/2015	62.50	62.50	0.02122	61.17	121.34	82.06	1.60	0.00	0.00
5/12/2015	62.50	62.50	0.02229	61.11	121.21	81.97	1.68	0.00	0.00
5/13/2015	60.70	60.70	0.02229	56.00	111.08	75.12	5.67	0.00	0.00
5/14/2015	61.20	61.20	0.02229	59.84	118.68	80.27	1.65	0.00	0.00
5/15/2015	59.90	59.90	0.02229	58.56	116.16	78.56	1.61	0.00	0.00
5/16/2015	45.60	45.60	0.02638	44.40	88.06	59.56	1.45	0.00	0.00
5/17/2015	34.90	34.90	0.02638	33.98	67.40	45.58	1.11	0.00	0.00
5/18/2015	33.70	33.70	0.02638	32.81	65.08	44.02	1.07	0.00	0.00
5/19/2015	28.20	28.20	0.04265	27.00	53.55	36.22	1.45	0.00	0.00
5/20/2015	40.10	40.10	0.02531	39.09	77.53	52.43	1.22	0.00	0.00
5/21/2015	62.50	62.50	0.00875	61.95	122.88	83.11	0.66	0.00	0.00
5/22/2015	62.50	62.50	0.00000	62.50	123.97	83.84	0.00	0.00	0.00
5/23/2015	62.50	62.50	0.00000	62.50	123.97	83.84	0.00	0.00	0.00
5/24/2015	62.50	62.50	0.00765	62.02	123.02	83.20	0.58	0.00	0.00
5/25/2015	6.50	6.50	0.02272	6.35	12.60	8.52	0.18	0.00	0.00
5/26/2015	0.00	0.00	0.02344	0.00	0.00	0.00	0.00	0.00	0.00
5/27/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	0.00
5/28/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	1372.76
5/29/2015	0.00	0.00	0.02452	0.00	0.00	0.00	0.00	0.00	82.77
5/30/2015	0.00	0.00	0.02452	0.00	0.00	0.00	0.00	0.00	82.77
5/31/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	82.83
6/1/2015	0.00	0.00	0.02344	0.00	0.00	0.00	0.00	0.00	82.96
						1283.81	28.65	223.09	1704.10
						1283.81		231.97	1621.14

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2015**

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tloss#ctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
6/1/2015	607.00	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.000	0.00765	acre ft	607.0	517.0	4220.0	4737	0.080	0.080	FALSE
6/2/2015	531.00	0.00	No	62.50	62.50	59.58	2.92	0.005	0.002	0.000	0.00837	92.57	531.0	458.0	3910.0	4368	0.080	0.110	FALSE
6/3/2015	434.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.002	0.000	0.01052	92.51	434.0	381.0	3310.0	3691	0.110	0.110	FALSE
6/4/2015	380.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.002	0.000	0.01052	92.31	380.0	304.0	3220.0	3524	0.110	0.110	FALSE
6/5/2015	347.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01091	92.31	347.0	292.0	3310.0	3602	0.110	0.126	FALSE
6/6/2015	296.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01206	92.27	296.0	239.0	3530.0	3769	0.126	0.126	FALSE
6/7/2015	342.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01091	92.16	342.0	282.0	3700.0	3982	0.110	0.126	FALSE
6/8/2015	220.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01275	92.27	220.0	186.0	3810.0	3996	0.126	0.155	FALSE
6/9/2015	221.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01275	92.10	221.0	161.0	4020.0	4181	0.126	0.155	FALSE
6/10/2015	265.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01275	92.10	265.0	151.0	3990.0	4141	0.126	0.155	FALSE
6/11/2015	308.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01116	92.10	308.0	152.0	3970.0	4122	0.110	0.155	FALSE
6/12/2015	1260.00	0.00	No	62.50	62.50	59.58	2.92	0.000	0.002	0.000	0.00191	92.21	1260.0	852.0	4050.0	4902	FALSE	0.080	FALSE
6/13/2015	313.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01091	93.11	313.0	244.0	4610.0	4854	0.110	0.126	FALSE
6/14/2015	188.00	0.00	No	62.50	62.50	59.58	2.92	0.009	0.004	0.000	0.01562	92.27	188.0	124.0	4460.0	4584	0.155	0.188	FALSE
6/15/2015	291.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01275	91.83	291.0	179.0	3850.0	4029	0.126	0.155	FALSE
6/16/2015	291.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.000	0.01275	92.10	291.0	177.0	3820.0	3997	0.126	0.155	FALSE
6/17/2015	302.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01116	92.10	302.0	174.0	3920.0	4094	0.110	0.155	FALSE
6/18/2015	369.00	0.00	No	62.50	62.50	59.58	2.92	0.007	0.003	0.000	0.01091	92.21	369.0	222.0	3980.0	4202	0.110	0.126	FALSE
6/19/2015	24.00	0.00	No	24.00	24.00	22.88	1.12	0.017	0.003	0.000	0.02452	92.27	24.0	192.0	3910.0	4102	0.290	0.155	FALSE
6/20/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.005	0.000	0.02638	34.94	0.0	91.0	3780.0	3871	0.290	0.233	FALSE
6/21/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.005	0.000	0.02638	0.00	0.0	66.0	3810.0	3876	0.290	0.233	FALSE
6/22/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/23/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/24/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/25/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/26/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/27/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/28/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/29/2015				0.00	0.00	0.00	0.00	0.017	0.005	0.049	0.08535	0.00	0.0			0.0	0.290	0.233	0.290
6/30/2015	23.40	0.00	No	23.40	23.40	22.31	1.09	0.017	0.006	0.000	0.02775	0.00	23.4	56.0	3140.0	3196.0	0.290	0.290	FALSE
7/1/2015	19.1	0	No									33.96		49.0	3150.0				

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for June = 75.2%	TOTAL AF	2217	109	
10CW85 CU factor for June = 76.3%	MAX =	2172	107	<<Normally 2172 for 02CW181 and 107 for 10CW85
02CW181 LAWMA SHARES = 3402	Exceeded?	Yes	Yes	
10CW85 LAWMA SHARES = 167	02CW181 Cumulative Annual LAWMA=	4773		
DIVERTED SHARES = 231	02CW181 Annual Limit LAWMA=	12862		
TOTAL SHARES = 3800	10CW85 Cumulative Annual Leased=	195		
	10CW85 Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
6/2/2015	62.50	62.50	0.00765	62.02	123.02	92.57	0.64	0.00	92.57
6/3/2015	62.50	62.50	0.00837	61.98	122.93	92.51	0.70	0.00	92.51
6/4/2015	62.50	62.50	0.01052	61.84	122.66	92.31	0.88	0.00	92.31
6/5/2015	62.50	62.50	0.01052	61.84	122.66	92.31	0.88	0.00	92.31
6/6/2015	62.50	62.50	0.01091	61.82	122.62	92.27	0.92	0.00	92.27
6/7/2015	62.50	62.50	0.01206	61.75	122.47	92.16	1.01	0.00	92.16
6/8/2015	62.50	62.50	0.01091	61.82	122.62	92.27	0.92	0.00	92.27
6/9/2015	62.50	62.50	0.01275	61.70	122.39	92.10	1.07	0.00	92.10
6/10/2015	62.50	62.50	0.01275	61.70	122.39	92.10	1.07	0.00	92.10
6/11/2015	62.50	62.50	0.01275	61.70	122.39	92.10	1.07	0.00	92.10
6/12/2015	62.50	62.50	0.01160	61.77	122.53	92.21	0.97	0.00	92.21
6/13/2015	62.50	62.50	0.00191	62.38	123.73	93.11	0.16	0.00	93.11
6/14/2015	62.50	62.50	0.01091	61.82	122.62	92.27	0.92	0.00	92.27
6/15/2015	62.50	62.50	0.01562	61.52	122.03	91.83	1.31	0.00	91.83
6/16/2015	62.50	62.50	0.01275	61.70	122.39	92.10	1.07	0.00	92.10
6/17/2015	62.50	62.50	0.01275	61.70	122.39	92.10	1.07	0.00	92.10
6/18/2015	62.50	62.50	0.01160	61.77	122.53	92.21	0.97	0.00	92.21
6/19/2015	62.50	62.50	0.01091	61.82	122.62	92.27	0.92	0.00	92.27
6/20/2015	24.00	24.00	0.02452	23.41	46.44	34.94	0.79	0.00	34.94
6/21/2015	0.00	0.00	0.02638	0.00	0.00	0.00	0.00	0.00	0.00
6/22/2015	0.00	0.00	0.02638	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/25/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/27/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/28/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/29/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2015	0.00	0.00	0.08535	0.00	0.00	0.00	0.00	0.00	0.00
7/1/2015	23.40	23.40	0.02775	22.75	45.13	33.96	0.87	0.00	33.96
						1729.69	18.21	0.00	1729.69
						1695.73		0.00	1778.69

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2015**

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtoffst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
7/1/2015	19.10	0.00	No	19.10	19.10	18.21	0.89	0.017	0.006	0.000	0.0277472	acre ft	19.1	49.00	3150.00	3199	0.290	0.290	FALSE
7/2/2015	17.30	0.00	No	17.30	17.30	16.49	0.81	0.017	0.006	0.000	0.0277472	29.16	17.3	47.00	3150.00	3197	0.290	0.290	FALSE
7/3/2015	36.90	0.00	No	36.90	36.90	35.17	1.73	0.017	0.005	0.000	0.02638376	26.41	36.9	69.00	3210.00	3279	0.290	0.233	FALSE
7/4/2015	23.10	0.00	No	23.10	23.10	22.02	1.08	0.017	0.005	0.000	0.02638376	56.41	23.1	66.00	3260.00	3326	0.290	0.233	FALSE
7/5/2015	15.60	0.00	No	15.60	15.60	14.87	0.73	0.017	0.005	0.000	0.02638376	35.31	15.6	58.00	3210.00	3268	0.290	0.233	FALSE
7/6/2015	21.90	0.00	No	21.90	21.90	20.88	1.02	0.017	0.005	0.000	0.02638376	23.85	21.9	60.00	3200.00	3260	0.290	0.233	FALSE
7/7/2015	19.20	0.00	No	19.20	19.20	18.30	0.90	0.017	0.005	0.000	0.02638376	33.48	19.2	56.00	3250.00	3306	0.290	0.233	FALSE
7/8/2015	37.20	0.00	No	37.20	37.20	35.46	1.74	0.017	0.005	0.000	0.02638376	29.35	37.2	67.00	3260.00	3327	0.290	0.233	FALSE
7/9/2015	64.70	0.00	No	62.50	62.50	59.58	2.92	0.014	0.005	0.000	0.02229344	56.87	64.7	97.00	3290.00	3387	0.233	0.233	FALSE
7/10/2015	85.40	0.00	No	62.50	62.50	59.58	2.92	0.014	0.005	0.000	0.02229344	95.95	85.4	97.00	3260.00	3357	0.233	0.233	FALSE
7/11/2015	64.30	0.00	No	62.50	62.50	59.58	2.92	0.014	0.005	0.000	0.02229344	95.95	64.3	97.00	3050.00	3147	0.233	0.233	FALSE
7/12/2015	45.80	0.00	No	45.80	45.80	43.66	2.14	0.017	0.005	0.000	0.02638376	95.95	45.8	65.00	3120.00	3185	0.290	0.233	FALSE
7/13/2015	40.80	0.00	No	40.80	40.80	38.89	1.91	0.017	0.005	0.000	0.02638376	70.02	40.8	64.00	3110.00	3174	0.290	0.233	FALSE
7/14/2015	72.90	0.00	No	62.50	62.50	59.58	2.92	0.014	0.005	0.000	0.02229344	62.37	72.9	56.00	1330.00	1386	0.233	0.233	FALSE
7/15/2015	35.80	0.00	No	35.80	35.80	34.12	1.68	0.017	0.005	0.000	0.02638376	95.95	35.8	81.00	1220.00	1301	0.290	0.233	FALSE
7/16/2015	26.60	0.00	No	26.60	26.60	25.36	1.24	0.017	0.006	0.014	0.0440128	54.73	26.6	48.00	1130.00	1178	0.290	0.290	0.080
7/17/2015	24.10	0.00	No	24.10	24.10	22.97	1.13	0.017	0.006	0.014	0.0440128	39.93	24.1	40.00	1060.00	1100	0.290	0.290	0.080
7/18/2015	23.70	0.00	No	23.70	23.70	22.59	1.11	0.017	0.006	0.014	0.0440128	36.18	23.7	35.00	1040.00	1075	0.290	0.290	0.080
7/19/2015	47.80	0.00	No	47.80	47.80	45.56	2.24	0.017	0.006	0.014	0.0440128	35.57	47.8	45.00	993.00	1038	0.290	0.290	0.080
7/20/2015	52.00	0.00	No	52.00	52.00	49.57	2.43	0.014	0.005	0.014	0.03855904	71.75	52.0	55.00	857.00	912	0.233	0.233	0.080
7/21/2015	41.50	0.03	No	41.53	41.50	39.56	1.94	0.017	0.005	0.021	0.05200208	78.50	41.5	52.00	201.00	253	0.290	0.233	0.126
7/22/2015	116.00	3.00	No	62.50	59.50	56.72	2.78	0.011	0.005	0.021	0.04468256	61.77	116.0	92.00	162.00	254	0.188	0.233	0.126
7/23/2015	84.10	1.82	No	62.50	60.68	57.84	2.84	0.014	0.005	0.021	0.04791176	89.25	84.1	81.00	127.00	208	0.233	0.233	0.126
7/24/2015	58.60	3.25	No	61.85	58.60	55.86	2.74	0.014	0.005	0.026	0.05380804	90.71	58.6	99.00	91.00	190	0.233	0.233	0.155
7/25/2015	18.90	3.03	No	21.93	18.90	18.02	0.88	0.017	0.005	0.032	0.06460792	87.06	18.9	77.00	63.00	140	0.290	0.233	0.188
7/26/2015	12.80	3.10	No	15.90	12.80	12.20	0.60	0.017	0.005	0.032	0.06460792	27.76	12.8	67.00	50.00	117	0.290	0.233	0.188
7/27/2015	10.70	3.23	No	13.93	10.70	10.20	0.50	0.017	0.005	0.032	0.06460792	18.80	10.7	57.00	43.00	100	0.290	0.233	0.188
7/28/2015	15.80	3.49	No	19.29	15.80	15.06	0.74	0.017	0.005	0.040	0.07375732	15.72	15.8	52.00	36.00	88	0.290	0.233	0.233
7/29/2015	7.01	3.12	No	10.13	7.01	6.68	0.33	0.017	0.006	0.040	0.07512076	22.98	7.0	41.00	33.00	74	0.290	0.290	0.233
7/30/2015	14.70	3.02	No	17.72	14.70	14.01	0.69	0.017	0.006	0.040	0.07512076	10.18	14.7	38.00	25.00	63	0.290	0.290	0.233
7/31/2015	19.50	2.96	No	22.46	19.50	18.59	0.91	0.017	0.006	0.040	0.07512076	21.35	19.5	36.00	22.00	58	0.290	0.290	0.233
8/1/2015	18.10	2.97	No	21.07	18.10	17.25	0.85	0.017	0.006	0.040	0.07512076	28.32	18.1	34.00	19.00	53	0.290	0.290	0.233

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for July =	79.1%	TOTAL AF	1998	98
10CW85 CU factor for July =	80.4%	MAX =	2369	116 <<Normally 2369 for 02CW181 and 116 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No
10CW85 LAWMA SHARES =	167	02CW181 Cumulative Annual LAWMA=	6771	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	293	
		10CW85 Annual Limit Leased=	602	



**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
7/2/2015	19.10	19.10	0.02775	18.57	36.83	29.16	0.75	0.00	29.16
7/3/2015	17.30	17.30	0.02775	16.82	33.36	26.41	0.68	0.00	26.41
7/4/2015	36.90	36.90	0.02638	35.93	71.26	56.41	1.37	0.00	56.41
7/5/2015	23.10	23.10	0.02638	22.49	44.61	35.31	0.86	0.00	35.31
7/6/2015	15.60	15.60	0.02638	15.19	30.13	23.85	0.58	0.00	23.85
7/7/2015	21.90	21.90	0.02638	21.32	42.29	33.48	0.82	0.00	33.48
7/8/2015	19.20	19.20	0.02638	18.69	37.08	29.35	0.72	0.00	29.35
7/9/2015	37.20	37.20	0.02638	36.22	71.84	56.87	1.39	0.00	56.87
7/10/2015	62.50	62.50	0.02229	61.11	121.21	95.95	1.97	0.00	95.95
7/11/2015	62.50	62.50	0.02229	61.11	121.21	95.95	1.97	0.00	95.95
7/12/2015	62.50	62.50	0.02229	61.11	121.21	95.95	1.97	0.00	95.95
7/13/2015	45.80	45.80	0.02638	44.59	88.45	70.02	1.71	0.00	70.02
7/14/2015	40.80	40.80	0.02638	39.72	78.79	62.37	1.52	0.00	62.37
7/15/2015	62.50	62.50	0.02229	56.00	111.08	87.93	9.18	0.00	87.93
7/16/2015	35.80	35.80	0.02638	34.86	69.14	54.73	1.33	0.00	54.73
7/17/2015	26.60	26.60	0.04401	25.43	50.44	39.93	1.65	0.00	39.93
7/18/2015	24.10	24.10	0.04401	23.04	45.70	36.18	1.50	0.00	36.18
7/19/2015	23.70	23.70	0.04401	22.66	44.94	35.57	1.47	0.00	35.57
7/20/2015	47.80	47.80	0.04401	45.00	89.26	70.66	3.95	0.00	70.66
7/21/2015	52.00	52.00	0.03856	49.99	99.16	78.50	2.83	0.00	78.50
7/22/2015	41.50	41.50	0.05200	39.34	78.03	61.77	3.05	0.00	61.77
7/23/2015	59.50	59.50	0.04468	56.84	112.74	89.25	3.75	0.00	89.25
7/24/2015	60.68	60.68	0.04791	57.77	114.59	90.71	4.11	0.00	90.71
7/25/2015	58.60	58.60	0.05381	55.45	109.98	87.06	4.45	0.00	87.06
7/26/2015	18.90	18.90	0.06461	17.68	35.07	27.76	1.72	0.00	27.76
7/27/2015	12.80	12.80	0.06461	11.97	23.75	18.80	1.17	0.00	18.80
7/28/2015	10.70	10.70	0.06461	10.01	19.85	15.72	0.98	0.00	15.72
7/29/2015	15.80	15.80	0.07376	14.63	29.03	22.98	1.65	0.00	22.98
7/30/2015	7.01	7.01	0.07512	6.48	12.86	10.18	0.74	0.00	10.18
7/31/2015	14.70	14.70	0.07512	13.60	26.97	21.35	1.56	0.00	21.35
8/1/2015	19.50	19.50	0.07512	18.04	35.77	28.32	2.07	0.00	28.32
						1588.45	63.45	0.00	1588.45
						1594.09		0.00	1594.09

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkcnfl	factor#1	factor#2	factor#3
8/1/2015	18.10	2.97	No	21.07	18.10	17.25	0.85	0.017	0.006	0.040	0.07512	acre ft	18.1	34.00	19.00	53	0.290	0.290	0.233
8/2/2015	39.30	3.12	No	42.42	39.30	37.46	1.84	0.017	0.006	0.040	0.07512	26.81	39.3	46.00	15.00	61	0.290	0.290	0.233
8/3/2015	24.70	3.15	No	27.85	24.70	23.54	1.16	0.017	0.005	0.040	0.07376	58.22	24.7	60.00	15.00	75	0.290	0.233	0.233
8/4/2015	22.00	3.06	No	25.06	22.00	20.97	1.03	0.017	0.005	0.032	0.06461	36.65	22.0	58.00	52.00	110	0.290	0.233	0.188
8/5/2015	13.20	2.70	No	15.90	13.20	12.58	0.62	0.017	0.006	0.040	0.07512	32.96	13.2	29.00	33.00	62	0.290	0.290	0.233
8/6/2015	10.50	2.22	No	12.72	10.50	10.01	0.49	0.017	0.006	0.040	0.07512	19.56	10.5	26.00	57.00	83	0.290	0.290	0.233
8/7/2015	24.30	2.34	No	26.64	24.30	23.16	1.14	0.017	0.006	0.040	0.07512	15.56	24.3	34.00	31.00	65	0.290	0.290	0.233
8/8/2015	12.70	2.22	No	14.92	12.70	12.11	0.59	0.017	0.006	0.040	0.07512	36.00	12.7	33.00	27.00	60	0.290	0.290	0.233
8/9/2015	7.59	2.23	No	9.82	7.59	7.23	0.36	0.017	0.006	0.040	0.07512	18.81	7.6	30.00	24.00	54	0.290	0.290	0.233
8/10/2015	140.00	12.90	No	62.50	49.60	47.28	2.32	0.011	0.005	0.026	0.05058	11.24	140.0	77.00	73.00	150	0.188	0.233	0.155
8/11/2015	44.44	0.90	No	45.34	44.44	42.36	2.08	0.017	0.005	0.026	0.0579	75.43	44.4	83.00	74.00	157	0.290	0.233	0.155
8/12/2015	17.20	0.71	No	17.91	17.20	16.40	0.80	0.017	0.006	0.032	0.06597	67.06	17.2	32.00	80.00	112	0.290	0.290	0.188
8/13/2015	32.60	2.09	No	34.69	32.60	31.07	1.53	0.017	0.006	0.019	0.05011	25.73	32.6	29.00	377.00	406	0.290	0.290	0.110
8/14/2015	44.80	2.90	No	47.70	44.80	42.70	2.10	0.017	0.006	0.019	0.05011	49.60	44.8	41.00	259.00	300	0.290	0.290	0.110
8/15/2015	44.00	3.35	No	47.35	44.00	41.94	2.06	0.017	0.006	0.021	0.05337	68.16	44.0	49.00	188.00	237	0.290	0.290	0.126
8/16/2015	70.10	3.39	No	62.50	59.11	56.34	2.77	0.014	0.006	0.021	0.04928	66.72	70.1	48.00	203.00	251	0.233	0.290	0.126
8/17/2015	82.10	13.30	No	62.50	49.20	46.90	2.30	0.014	0.005	0.026	0.05381	90.02	82.1	60.00	97.00	157	0.233	0.233	0.155
8/18/2015	55.10	4.52	No	59.62	55.10	52.52	2.58	0.014	0.004	0.019	0.04358	74.57	55.1	108.00	300.00	408	0.233	0.188	0.110
8/19/2015	14.80	2.84	No	17.64	14.80	14.11	0.69	0.017	0.006	0.019	0.05011	84.41	14.8	31.00	297.00	328	0.290	0.290	0.110
8/20/2015	28.30	3.18	No	31.48	28.30	26.98	1.32	0.017	0.005	0.019	0.04875	22.52	28.3	58.00	381.00	439	0.290	0.233	0.110
8/21/2015	18.10	2.94	No	21.04	18.10	17.25	0.85	0.017	0.005	0.019	0.04875	43.12	18.1	50.00	360.00	410	0.290	0.233	0.110
8/22/2015	10.30	2.98	No	13.28	10.30	9.82	0.48	0.017	0.006	0.021	0.05337	27.58	10.3	34.00	204.00	238	0.290	0.290	0.126
8/23/2015	6.83	3.28	No	10.11	6.83	6.51	0.32	0.017	0.006	0.026	0.05926	15.62	6.8	31.00	126.00	157	0.290	0.290	0.155
8/24/2015	7.13	3.28	No	10.41	7.13	6.80	0.33	0.017	0.006	0.032	0.06597	10.29	7.1	26.00	104.00	130	0.290	0.290	0.188
8/25/2015	5.70	3.28	No	8.98	5.70	5.43	0.27	0.017	0.006	0.032	0.06597	10.67	5.7	20.00	98	118	0.290	0.290	0.188
8/26/2015	4.78	3.28	No	8.06	4.78	4.56	0.22	0.017	0.006	0.040	0.07512	8.53	4.8	15.00	82	97	0.290	0.290	0.233
8/27/2015	4.98	3.28	No	8.26	4.98	4.75	0.23	0.017	0.006	0.040	0.07512	7.08	5.0	13.00	70	83	0.290	0.290	0.233
8/28/2015	10.30	3.44	No	13.74	10.30	9.82	0.48	0.017	0.006	0.040	0.07512	7.38	10.3	14.00	59	73	0.290	0.290	0.233
8/29/2015	7.46	3.40	No	10.86	7.46	7.11	0.35	0.017	0.006	0.040	0.07512	15.26	7.5	18.00	47	65	0.290	0.290	0.233
8/30/2015	4.78	3.29	No	8.07	4.78	4.56	0.22	0.017	0.006	0.040	0.07512	11.05	4.8	15.00	42	57	0.290	0.290	0.233
8/31/2015	4.33	3.28	No	7.61	4.33	4.13	0.20	0.017	0.006	0.040	0.07512	7.08	4.3	13.00	41.00	54	0.290	0.290	0.233
9/1/2015	2.86	3.28	No	6.14	2.86	2.73	0.13	0.017	0.006	0.040	0.07512	6.41	2.9	12.00	54.00	66	0.290	0.290	0.233

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for August =	80.7%	TOTAL AF	1316	65
10CW85 CU factor for August =	81.9%	MAX =	2570	126 <<Normally 2570 for 02CW181 and 126 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No
10CW85 LAWMA SHARES =	167	02CW181 Cumulative Annual LAWMA=	8087	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	358	
		10CW85 Annual Limit Leased=	602	

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2015**

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)	In-State Replacement Flows	Amount of CU Water to Account (ac-ft)
8/2/2015	18.10	18.10	0.07512	16.74	33.20	26.81	1.96	0.00	26.81
8/3/2015	39.30	39.30	0.07512	36.35	72.10	58.22	4.25	0.00	58.22
8/4/2015	24.70	24.70	0.07376	22.88	45.38	36.65	2.62	0.00	36.65
8/5/2015	22.00	22.00	0.06461	20.58	40.82	32.96	2.05	0.00	32.96
8/6/2015	13.20	13.20	0.07512	12.21	24.22	19.56	1.43	0.00	19.56
8/7/2015	10.50	10.50	0.07512	9.71	19.26	15.56	1.14	0.00	15.56
8/8/2015	24.30	24.30	0.07512	22.47	44.58	36.00	2.63	0.00	36.00
8/9/2015	12.70	12.70	0.07512	11.75	23.30	18.81	1.37	0.00	18.81
8/10/2015	7.59	7.59	0.07512	7.02	13.92	11.24	0.82	0.00	11.24
8/11/2015	49.60	49.60	0.05058	47.09	93.41	75.43	3.61	0.00	75.43
8/12/2015	44.44	44.44	0.05790	41.87	83.04	67.06	3.71	0.00	67.06
8/13/2015	17.20	17.20	0.06597	16.07	31.87	25.73	1.63	0.00	25.73
8/14/2015	32.60	32.60	0.05011	29.00	57.52	46.45	5.19	0.00	46.45
8/15/2015	44.80	44.80	0.05011	41.00	81.32	65.67	5.47	0.00	65.67
8/16/2015	44.00	44.00	0.05337	41.65	82.62	66.72	3.38	0.00	66.72
8/17/2015	59.11	59.11	0.04928	48.00	95.21	76.89	16.01	0.00	76.89
8/18/2015	49.20	49.20	0.05381	46.55	92.34	74.57	3.81	0.00	74.57
8/19/2015	55.10	55.10	0.04358	52.70	104.53	84.41	3.46	0.00	84.41
8/20/2015	14.80	14.80	0.05011	14.06	27.88	22.52	1.07	0.00	22.52
8/21/2015	28.30	28.30	0.04875	26.92	53.40	43.12	1.99	0.00	43.12
8/22/2015	18.10	18.10	0.04875	17.22	34.15	27.58	1.27	0.00	27.58
8/23/2015	10.30	10.30	0.05337	9.75	19.34	15.62	0.79	0.00	15.62
8/24/2015	6.83	6.83	0.05926	6.43	12.74	10.29	0.58	0.00	10.29
8/25/2015	7.13	7.13	0.06597	6.66	13.21	10.67	0.68	0.00	10.67
8/26/2015	5.70	5.70	0.06597	5.32	10.56	8.53	0.00	0.00	8.53
8/27/2015	4.78	4.78	0.07512	4.42	8.77	7.08	0.00	0.00	7.08
8/28/2015	4.98	4.98	0.07512	4.61	9.14	7.38	0.00	0.00	7.38
8/29/2015	10.30	10.30	0.07512	9.53	18.90	15.26	1.11	0.00	15.26
8/30/2015	7.46	7.46	0.07512	6.90	13.69	11.05	0.81	0.00	11.05
8/31/2015	4.78	4.78	0.07512	4.42	8.77	7.08	0.52	0.00	7.08
9/1/2015	4.33	4.33	0.07512	4.00	7.94	6.41	0.47	0.00	6.41
						1031.34	73.84	0.00	1031.34
						1053.25	75.44	0.00	1053.25

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtofft	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
9/1/2015	2.86	3.28	No	6.14	2.86	2.73	0.13	0.017	0.006	0.040	0.07512	acre ft	2.9	12.0	54.0	66	0.290	0.290	0.233
9/2/2015	1.57	3.21	No	4.78	1.57	1.50	0.07	0.017	0.006	0.049	0.08671	3.56	1.6	12.0	34.0	46	0.290	0.290	0.290
9/3/2015	0.75	2.55	No	3.30	0.75	0.71	0.04	0.017	0.006	0.049	0.08671	1.93	0.7	13.0	31.0	44	0.290	0.290	0.290
9/4/2015	0.21	1.83	No	2.04	0.21	0.20	0.01	0.017	0.006	0.049	0.08671	0.92	0.2	12.0	31.0	43	0.290	0.290	0.290
9/5/2015	0.12	1.58	No	1.70	0.12	0.12	0.01	0.017	0.006	0.049	0.08671	0.26	0.1	8.3	29.0	37.3	0.290	0.290	0.290
9/6/2015	0.11	1.38	No	1.49	0.11	0.10	0.01	0.017	0.006	0.049	0.08671	0.15	0.1	8.1	30.0	38.1	0.290	0.290	0.290
9/7/2015	0.12	1.08	No	1.20	0.12	0.11	0.01	0.017	0.006	0.049	0.08671	0.13	0.1	7.4	31.0	38.4	0.290	0.290	0.290
9/8/2015	0.13	0.85	No	0.98	0.13	0.12	0.01	0.017	0.006	0.049	0.08671	0.14	0.1	6.7	32.0	38.7	0.290	0.290	0.290
9/9/2015	0.10	0.72	No	0.82	0.10	0.10	0.00	0.017	0.006	0.040	0.07512	0.16	0.1	7.4	51.0	58.4	0.290	0.290	0.233
9/10/2015	0.12	0.55	No	0.67	0.12	0.11	0.01	0.017	0.006	0.040	0.07512	0.12	0.1	6.1	46.0	52.1	0.290	0.290	0.233
9/11/2015	0.13	0.44	No	0.57	0.13	0.12	0.01	0.017	0.006	0.040	0.07512	0.14	0.1	7.6	43.0	50.6	0.290	0.290	0.233
9/12/2015	0.12	0.37	No	0.49	0.12	0.11	0.01	0.017	0.006	0.049	0.08671	0.16	0.1	8.1	40.0	48.1	0.290	0.290	0.290
9/13/2015	0.11	0.33	No	0.44	0.11	0.10	0.01	0.017	0.006	0.049	0.08671	0.15	0.1	8.3	41.0	49.3	0.290	0.290	0.290
9/14/2015	0.11	0.20	No	0.31	0.11	0.10	0.01	0.017	0.006	0.049	0.08671	0.14	0.1	7.7	39.0	46.7	0.290	0.290	0.290
9/15/2015	0.11	0.07	No	0.18	0.11	0.10	0.01	0.017	0.006	0.049	0.08671	0.14	0.1	6.1	39.0	45.1	0.290	0.290	0.290
9/16/2015	0.12	0.00	No	0.12	0.12	0.11	0.01	0.017	0.006	0.049	0.08671	0.14	0.1	4.0	35.0	39	0.290	0.290	0.290
9/17/2015	0.12	0.00	No	0.12	0.12	0.11	0.01	0.017	0.006	0.049	0.08671	0.15	0.1	6.3	32.0	38.3	0.290	0.290	0.290
9/18/2015	0.05	0.00	No	0.05	0.05	0.05	0.00	0.017	0.006	0.049	0.08671	0.15	0.1	6.6	31.0	37.6	0.290	0.290	0.290
9/19/2015	0.07	0.00	No	0.07	0.07	0.07	0.00	0.017	0.006	0.049	0.08671	0.06	0.1	7.2	32.0	39.2	0.290	0.290	0.290
9/20/2015	0.09	0.00	No	0.09	0.09	0.09	0.00	0.017	0.006	0.049	0.08671	0.09	0.1	7.0	32.0	39	0.290	0.290	0.290
9/21/2015	0.08	0.00	No	0.08	0.08	0.08	0.00	0.017	0.006	0.049	0.08671	0.11	0.1	4.8	31.0	35.8	0.290	0.290	0.290
9/22/2015	0.10	0.00	No	0.10	0.10	0.09	0.00	0.017	0.006	0.049	0.08671	0.10	0.1	3.9	32.0	35.9	0.290	0.290	0.290
9/23/2015	19.70	0.00	No	19.70	19.70	18.78	0.92	0.017	0.006	0.049	0.08671	0.12	19.7	3.1	31.0	34.1	0.290	0.290	0.290
9/24/2015	17.90	0.00	No	17.90	17.90	17.06	0.84	0.017	0.006	0.040	0.07512	24.23	17.9	28.0	33.0	61.0	0.290	0.290	0.233
9/25/2015	6.69	0.00	No	6.69	6.69	6.38	0.31	0.017	0.006	0.049	0.08671	22.29	6.7	10.0	31.0	41.0	0.290	0.290	0.290
9/26/2015	4.65	0.00	No	4.65	4.65	4.43	0.22	0.017	0.006	0.049	0.08671	8.23	4.7	8.1	29.0	37.1	0.290	0.290	0.290
9/27/2015	4.28	0.00	No	4.28	4.28	4.08	0.20	0.017	0.006	0.049	0.08671	5.72	4.3	7.1	29.0	36.1	0.290	0.290	0.290
9/28/2015	2.92	0.00	No	2.92	2.92	2.78	0.14	0.017	0.006	0.049	0.08671	5.26	2.9	8.1	29.0	37.1	0.290	0.290	0.290
9/29/2015	1.82	0.00	No	1.82	1.82	1.73	0.09	0.017	0.006	0.049	0.08671	3.59	1.8	7.1	30.0	37.1	0.290	0.290	0.290
9/30/2015	0.96	0.00	No	0.96	0.96	0.92	0.05	0.017	0.006	0.049	0.08671	2.24	1.0	6.4	30.0	36.4	0.290	0.290	0.290
10/1/2015	0.899	0	No	0.90	0.90	0.86	0.04	0.017		0.049		1.18	0.9	7.2	28.0	35.2	0.290		0.290

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for Sept =	67.8%	TOTAL AF	127	6	
10CW85 CU factor for Sept =	69.6%	MAX =	1996	98	<<Normally 1996 for 02CW181 and 98 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No	
10CW85 LAWMA SHARES =	167	Cumulative Annual LAWMA=	8214		
DIVERTED SHARES =	231	Annual Limit LAWMA=	12862		
TOTAL SHARES =	3800	Cumulative Annual Leased=	364		
		Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
9/2/2015	2.86	2.86	0.07512	2.65	5.25	3.56	0.26	0.00	3.56
9/3/2015	1.57	1.57	0.08671	1.43	2.84	1.93	0.16	0.00	1.93
9/4/2015	0.75	0.75	0.08671	0.68	1.36	0.92	0.08	0.00	0.92
9/5/2015	0.21	0.21	0.08671	0.20	0.39	0.26	0.02	0.00	0.26
9/6/2015	0.12	0.12	0.08671	0.11	0.22	0.15	0.01	0.00	0.15
9/7/2015	0.11	0.11	0.08671	0.10	0.20	0.13	0.01	0.00	0.13
9/8/2015	0.12	0.12	0.08671	0.11	0.21	0.14	0.01	0.00	0.14
9/9/2015	0.13	0.13	0.08671	0.12	0.23	0.16	0.01	0.00	0.16
9/10/2015	0.10	0.10	0.07512	0.09	0.18	0.12	0.01	0.00	0.12
9/11/2015	0.12	0.12	0.07512	0.11	0.21	0.14	0.01	0.00	0.14
9/12/2015	0.13	0.13	0.07512	0.12	0.24	0.16	0.01	0.00	0.16
9/13/2015	0.12	0.12	0.08671	0.11	0.22	0.15	0.01	0.00	0.15
9/14/2015	0.11	0.11	0.08671	0.10	0.20	0.14	0.01	0.00	0.14
9/15/2015	0.11	0.11	0.08671	0.10	0.20	0.14	0.01	0.00	0.14
9/16/2015	0.11	0.11	0.08671	0.10	0.20	0.14	0.01	0.00	0.14
9/17/2015	0.12	0.12	0.08671	0.11	0.22	0.15	0.01	0.00	0.15
9/18/2015	0.12	0.12	0.08671	0.11	0.22	0.15	0.01	0.00	0.15
9/19/2015	0.05	0.05	0.08671	0.05	0.09	0.06	0.01	0.00	0.06
9/20/2015	0.07	0.07	0.08671	0.06	0.13	0.09	0.01	0.00	0.09
9/21/2015	0.09	0.09	0.08671	0.08	0.16	0.11	0.01	0.00	0.11
9/22/2015	0.08	0.08	0.08671	0.07	0.14	0.10	0.01	0.00	0.10
9/23/2015	0.10	0.10	0.08671	0.09	0.18	0.12	0.01	0.00	0.12
9/24/2015	19.70	19.70	0.08671	3.10	6.15	4.17	20.09	0.00	4.17
9/25/2015	17.90	17.90	0.07512	16.56	32.84	22.29	1.63	0.00	22.29
9/26/2015	6.69	6.69	0.08671	6.11	12.12	8.23	0.70	0.00	8.23
9/27/2015	4.65	4.65	0.08671	4.25	8.42	5.72	0.49	0.00	5.72
9/28/2015	4.28	4.28	0.08671	3.91	7.75	5.26	0.45	0.00	5.26
9/29/2015	2.92	2.92	0.08671	2.67	5.29	3.59	0.31	0.00	3.59
9/30/2015	1.82	1.82	0.08671	1.66	3.30	2.24	0.19	0.00	2.24
10/1/2015	0.96	0.96	0.08671	0.88	1.74	1.18	0.10	0.00	1.18
						61.70	24.68	0.00	61.70
						66.93	25.04	0.00	66.93

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	acre ft	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
10/1/2015	0.90	0.00	No	0.90	0.90	0.86	0.04	0.017	0.006	0.049	0.08671	acre ft	0.9	7.20	28.00	35.2	0.290	0.290	0.290
10/2/2015	1.19	0.00	No	1.19	1.19	1.13	0.06	0.017	0.006	0.049	0.08671	0.58	1.2	6.80	28.00	34.8	0.290	0.290	0.290
10/3/2015	1.15	0.00	No	1.15	1.15	1.10	0.05	0.017	0.006	0.049	0.08671	0.77	1.2	6.80	28.00	34.8	0.290	0.290	0.290
10/4/2015	0.68	0.00	No	0.68	0.68	0.65	0.03	0.017	0.006	0.049	0.08671	0.74	0.7	8.00	27.00	35	0.290	0.290	0.290
10/5/2015	0.20	0.00	No	0.20	0.20	0.19	0.01	0.017	0.006	0.049	0.08671	0.44	0.2	14.00	27.00	41	0.290	0.290	0.290
10/6/2015	0.25	0.00	No	0.25	0.25	0.24	0.01	0.017	0.006	0.040	0.07512	0.13	0.3	28.00	30.00	58	0.290	0.290	0.233
10/7/2015	0.26	0.00	No	0.26	0.26	0.25	0.01	0.017	0.006	0.040	0.07512	0.16	0.3	30.00	33.00	63	0.290	0.290	0.233
10/8/2015	0.23	0.00	No	0.23	0.23	0.22	0.01	0.017	0.006	0.040	0.07512	0.17	0.2	35.00	55.00	90	0.290	0.290	0.233
10/9/2015	0.25	0.00	No	0.25	0.25	0.24	0.01	0.017	0.006	0.032	0.06597	0.15	0.3	35.00	84.00	119	0.290	0.290	0.188
10/10/2015	0.19	0.00	No	0.19	0.19	0.18	0.01	0.017	0.006	0.026	0.05926	0.17	0.2	38.00	130.00	168	0.290	0.290	0.155
10/11/2015	0.18	0.00	No	0.18	0.18	0.17	0.01	0.017	0.006	0.026	0.05926	0.13	0.2	38.00	147.00	185	0.290	0.290	0.155
10/12/2015	0.22	0.00	No	0.22	0.22	0.21	0.01	0.017	0.006	0.026	0.05926	0.12	0.2	38.00	128.00	166	0.290	0.290	0.155
10/13/2015	0.17	0.00	No	0.17	0.17	0.16	0.01	0.017	0.006	0.032	0.06597	0.15	0.2	39.00	105.00	144	0.290	0.290	0.188
10/14/2015	0.14	0.00	No	0.14	0.14	0.13	0.01	0.017	0.006	0.032	0.06597	0.11	0.1	37.00	91.00	128	0.290	0.290	0.188
10/15/2015	0.13	0.00	No	0.13	0.13	0.12	0.01	0.017	0.006	0.032	0.06597	0.09	0.1	38.00	80.00	118	0.290	0.290	0.188
10/16/2015	0.10	0.00	No	0.10	0.10	0.10	0.00	0.017	0.006	0.032	0.06597	0.09	0.1	35.00	69.00	104	0.290	0.290	0.188
10/17/2015	0.08	0.00	No	0.08	0.08	0.08	0.00	0.017	0.006	0.032	0.06597	0.07	0.1	35.00	68.00	103	0.290	0.290	0.188
10/18/2015	0.03	0.00	No	0.03	0.03	0.03	0.00	0.017	0.006	0.032	0.06597	0.05	0.0	40.00	70.00	110	0.290	0.290	0.188
10/19/2015	0.02	0.00	No	0.02	0.02	0.02	0.00	0.017	0.006	0.032	0.06597	0.02	0.0	41.00	67.00	108	0.290	0.290	0.188
10/20/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.01	0.0	42.00	67.00	109	0.290	0.290	0.188
10/21/2015	0.03	0.00	No	0.03	0.03	0.03	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	41.00	73.00	114	0.290	0.290	0.188
10/22/2015	1.86	0.00	No	1.86	1.86	1.77	0.09	0.017	0.006	0.026	0.05926	0.02	1.9	45.00	116.00	161	0.290	0.290	0.155
10/23/2015	162.00	0.00	No	62.50	62.50	59.58	2.92	0.009	0.005	0.021	0.04231	1.24	162.0	55.00	173.00	228	0.155	0.233	0.126
10/24/2015	207.00	0.00	No	62.50	62.50	59.58	2.92	0.008	0.003	0.019	0.03442	42.44	207.0	203.00	141.00	344	0.126	0.126	0.110
10/25/2015	82.30	0.00	No	62.50	62.50	59.58	2.92	0.014	0.004	0.026	0.05273	42.79	82.3	101.00	79.00	180	0.233	0.188	0.155
10/26/2015	60.10	0.00	No	60.10	60.10	57.29	2.81	0.014	0.005	0.026	0.05381	41.98	60.1	86.00	77.00	163	0.233	0.233	0.155
10/27/2015	40.40	0.00	No	40.40	40.40	38.51	1.89	0.017	0.005	0.021	0.052	40.32	40.4	65.00	195.00	260	0.290	0.233	0.126
10/28/2015	29.30	0.00	No	29.30	29.30	27.93	1.37	0.017	0.005	0.021	0.052	27.15	29.3	56.00	187.00	243	0.290	0.233	0.126
10/29/2015	24.00	0.00	No	24.00	24.00	22.88	1.12	0.017	0.006	0.021	0.05337	19.69	24.0	49.00	159.00	208	0.290	0.290	0.126
10/30/2015	18.80	0.00	No	18.80	18.80	17.92	0.88	0.017	0.005	0.021	0.052	16.11	18.8	51.00	192.00	243	0.290	0.233	0.126
10/31/2015	17.80	0.00	No	17.80	17.80	16.97	0.83	0.017	0.005	0.021	0.052	12.64	17.8	55.00	217.00	272	0.290	0.233	0.126
11/1/2015			No					0.017				11.96	0.0				0.290		

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for October =	35.6%	TOTAL AF	730	36	
10CW85 CU factor for October =	38.7%	MAX =	1142	56	<<Normally 1142 for 02CW181 and 56 for 10CW85
LAWMA SHARES =	3402	Exceeded?	No	No	
LAWMA LEASED SHARES =	167	Cumulative Annual LAWMA=	8944		
DIVERTED SHARES =	231	Annual Limit LAWMA=	12862		
TOTAL SHARES =	3800	Cumulative Annual Leased=	400		
		Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
10/2/2015	0.90	0.90	0.08671	0.82	1.63	0.58	0.05	0.00	0.58
10/3/2015	1.19	1.19	0.08671	1.09	2.16	0.77	0.07	0.00	0.77
10/4/2015	1.15	1.15	0.08671	1.05	2.08	0.74	0.06	0.00	0.74
10/5/2015	0.68	0.68	0.08671	0.62	1.23	0.44	0.04	0.00	0.44
10/6/2015	0.20	0.20	0.08671	0.18	0.36	0.13	0.01	0.13	0.00
10/7/2015	0.25	0.25	0.07512	0.23	0.46	0.16	0.01	0.16	0.00
10/8/2015	0.26	0.26	0.07512	0.24	0.48	0.17	0.01	0.17	0.00
10/9/2015	0.23	0.23	0.07512	0.21	0.42	0.15	0.01	0.15	0.00
10/10/2015	0.25	0.25	0.06597	0.23	0.46	0.17	0.01	0.17	0.00
10/11/2015	0.19	0.19	0.05926	0.18	0.35	0.13	0.01	0.13	0.00
10/12/2015	0.18	0.18	0.05926	0.17	0.34	0.12	0.01	0.12	0.00
10/13/2015	0.22	0.22	0.05926	0.21	0.41	0.15	0.01	0.15	0.00
10/14/2015	0.17	0.17	0.06597	0.16	0.31	0.11	0.01	0.11	0.00
10/15/2015	0.14	0.14	0.06597	0.13	0.26	0.09	0.01	0.09	0.00
10/16/2015	0.13	0.13	0.06597	0.12	0.24	0.09	0.01	0.09	0.00
10/17/2015	0.10	0.10	0.06597	0.09	0.19	0.07	0.00	0.07	0.00
10/18/2015	0.08	0.08	0.06597	0.07	0.15	0.05	0.00	0.05	0.00
10/19/2015	0.03	0.03	0.06597	0.03	0.06	0.02	0.00	0.02	0.00
10/20/2015	0.02	0.02	0.06597	0.02	0.04	0.01	0.00	0.01	0.00
10/21/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/22/2015	0.03	0.03	0.06597	0.03	0.06	0.02	0.00	0.02	0.00
10/23/2015	1.86	1.86	0.05926	1.75	3.47	1.24	0.07	1.24	0.00
10/24/2015	62.50	62.50	0.04231	55.00	109.09	39.00	4.77	39.00	0.00
10/25/2015	62.50	62.50	0.03442	60.35	119.70	42.79	1.37	42.79	0.00
10/26/2015	62.50	62.50	0.05273	59.20	117.43	41.98	2.09	41.98	0.00
10/27/2015	60.10	60.10	0.05381	56.87	112.79	40.32	2.06	40.32	0.00
10/28/2015	40.40	40.40	0.05200	38.30	75.97	27.15	1.34	27.15	0.00
10/29/2015	29.30	29.30	0.05200	27.78	55.09	19.69	0.97	19.69	0.00
10/30/2015	24.00	24.00	0.05337	22.72	45.06	16.11	0.81	16.11	0.00
10/31/2015	18.80	18.80	0.05200	17.82	35.35	12.64	0.62	12.64	0.00
11/1/2015	17.80	17.80	0.05200	16.87	33.47	11.96	0.59	11.96	0.00
						257.05	15.00	254.51	2.54
						246.27	14.52	242.55	3.72

**Deliveries from Highland Canal for Consumptive Use credit  
to the Offset Account or to the River for In-State Replacement  
April to October, 2015**

Highland Accounting			
All Uses	In-state	Offset	Total
April	414.14	0.00	414.14
May	231.97	1621.14	1853.11
June	0.00	1778.69	1778.69
July	0.00	1594.09	1594.09
August	0.00	1053.25	1053.25
September	0.00	66.93	66.93
October	242.55	3.72	246.27
Total	888.66	6117.82	7006.48



Enclosure 2

Corrected Highland Canal Accounting for 2015

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
April, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
4/1/2015	13.80	0.00	No	13.80	13.80	13.15	0.05	0.017	0.006	0.021	0.05337	acre ft	13.80	20.0	233.0	253.0	0.290	0.290	0.126
4/2/2015	13.00	0.00	No	13.00	13.00	12.39	0.04	0.017	0.006	0.026	0.05926	15.27	13.00	26.0	167.0	193	0.290	0.290	0.155
4/3/2015	11.80	0.00	No	11.80	11.80	11.25	0.04	0.017	0.006	0.032	0.06597	14.29	11.80	36.0	78.0	114	0.290	0.290	0.188
4/4/2015	23.00	0.00	No	23.00	23.00	21.92	0.08	0.017	0.006	0.040	0.07512	12.88	23.00	41.0	52.0	93	0.290	0.290	0.233
4/5/2015	28.10	0.00	No	28.10	28.10	26.79	0.09	0.017	0.006	0.040	0.07512	24.86	28.10	40.0	43.0	83	0.290	0.290	0.233
4/6/2015	33.80	0.00	No	33.80	33.80	32.22	0.11	0.017	0.006	0.040	0.07512	30.38	33.80	35.0	41.0	76	0.290	0.290	0.233
4/7/2015	23.90	0.00	No	23.90	23.90	22.78	0.08	0.017	0.006	0.040	0.07512	36.54	23.90	31.0	36.0	67	0.290	0.290	0.233
4/8/2015	17.70	0.00	Yes	17.70	17.70	16.87	0.06	0.017	0.006	0.040	0.07512	25.84	17.70	26.0	33.0	59	0.290	0.290	0.233
4/9/2015	14.80	0.00	Yes	14.80	14.80	14.11	0.05	0.017	0.006	0.040	0.07512	19.13	14.80	22.0	32.0	54	0.290	0.290	0.233
4/10/2015	15.70	0.00	Yes	15.70	15.70	14.97	0.05	0.017	0.006	0.040	0.07512	16.00	15.70	23.0	31.0	54	0.290	0.290	0.233
4/11/2015	15.20	0.00	Yes	15.20	15.20	14.49	0.05	0.017	0.006	0.040	0.07512	16.97	15.20	23.0	30.0	53	0.290	0.290	0.233
4/12/2015	12.20	0.00	Yes	12.20	12.20	11.63	0.04	0.017	0.006	0.040	0.07512	16.43	12.20	22.0	29.0	51	0.290	0.290	0.233
4/13/2015	10.50	0.00	Yes	10.50	10.50	10.01	0.04	0.017	0.006	0.040	0.07512	13.19	10.50	20.0	33.0	53	0.290	0.290	0.233
4/14/2015	9.23	0.00	Yes	9.23	9.23	8.80	0.03	0.017	0.006	0.040	0.07512	11.35	9.23	18.0	33.0	51	0.290	0.290	0.233
4/15/2015	7.84	0.00	Yes	7.84	7.84	7.47	0.03	0.017	0.006	0.049	0.08671	9.98	7.84	17.0	28.0	45	0.290	0.290	0.290
4/16/2015	7.84	0.00	Yes	7.84	7.84	7.47	0.03	0.017	0.006	0.049	0.08671	8.37	7.84	18.0	28.0	46	0.290	0.290	0.290
4/17/2015	9.03	0.00	Yes	9.03	9.03	8.61	0.03	0.017	0.006	0.040	0.07512	8.37	9.03	19.0	32.0	51	0.290	0.290	0.233
4/18/2015	6.96	0.00	Yes	6.96	6.96	6.63	0.02	0.017	0.006	0.040	0.07512	9.76	6.96	17.0	46.0	63	0.290	0.290	0.233
4/19/2015	7.98	0.00	Yes	7.98	7.98	7.61	0.03	0.017	0.006	0.032	0.06597	7.52	7.98	18.0	96.0	114	0.290	0.290	0.188
4/20/2015	7.41	0.00	Yes	7.41	7.41	7.06	0.02	0.017	0.006	0.021	0.05337	8.71	7.41	17.0	252.0	269	0.290	0.290	0.126
4/21/2015	7.40	0.00	Yes	7.40	7.40	7.05	0.02	0.017	0.006	0.019	0.05011	8.20	7.40	17.0	287.0	304	0.290	0.290	0.110
4/22/2015	6.95	0.00	Yes	6.95	6.95	6.62	0.02	0.017	0.006	0.019	0.05011	8.22	6.95	16.0	324.0	340	0.290	0.290	0.110
4/23/2015	7.47	0.00	Yes	7.47	7.47	7.12	0.03	0.017	0.006	0.019	0.05011	7.72	7.47	17.0	308.0	325.0	0.290	0.290	0.110
4/24/2015	9.43	0.00	Yes	9.43	9.43	8.99	0.03	0.017	0.006	0.021	0.05337	8.29	9.43	17.0	220.0	237.0	0.290	0.290	0.126
4/25/2015	9.45	0.00	Yes	9.45	9.45	9.01	0.03	0.017	0.006	0.021	0.05337	10.43	9.45	18.0	184.0	202.0	0.290	0.290	0.126
4/26/2015	8.48	0.00	Yes	8.48	8.48	8.08	0.03	0.017	0.006	0.021	0.05337	10.46	8.48	17.0	199.0	216.0	0.290	0.290	0.126
4/27/2015	8.70	0.00	Yes	8.70	8.70	8.29	0.03	0.017	0.006	0.021	0.05337	9.38	8.70	13.0	240.0	253.0	0.290	0.290	0.126
4/28/2015	8.24	0.00	Yes	8.24	8.24	7.85	0.03	0.017	0.006	0.019	0.05011	9.63	8.24	13.0	297.0	310.0	0.290	0.290	0.110
4/29/2015	7.79	0.00	Yes	7.79	7.79	7.43	0.03	0.017	0.006	0.014	0.04401	9.15	7.79	12.0	566.0	578.0	0.290	0.290	0.080
4/30/2015	7.60	0.00	Yes	7.60	7.60	7.24	0.03	0.017	0.006	0.014	0.04401	8.70	7.60	12.0	721.0	733.0	0.290	0.290	0.080
5/1/2015												8.49							

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	702	2	
MAX =	1445	71	<<Normally 1445 for 02CW181 and 71 for 10CW85
Exceeded?	No	No	
02CW181 CU factor for April =	61.6%		
10CW85 CU factor for April =	62.1%		
02CW181 LAWMA SHARES =	3402		
10CW85 LAWMA SHARES =	12		
DIVERTED SHARES =	231		
TOTAL SHARES =	3800		
02CW181 Cumulative Annual LAWMA=	702		
02CW181 Annual Limit LAWMA=	12862		
10CW85 Cumulative Annual Leased=	2		
10CW85 Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
April, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
4/2/2015	13.80	13.20	0.05337	12.50	24.79	15.27	0.77	15.27	0.00
4/3/2015	13.00	12.44	0.05926	11.70	23.20	14.29	0.81	14.29	0.00
4/4/2015	11.80	11.29	0.06597	10.54	20.91	12.88	0.82	12.88	0.00
4/5/2015	23.00	22.00	0.07512	20.35	40.36	24.86	1.82	24.86	0.00
4/6/2015	28.10	26.88	0.07512	24.86	49.31	30.38	2.22	30.38	0.00
4/7/2015	33.80	32.33	0.07512	29.90	59.31	36.54	2.67	36.54	0.00
4/8/2015	23.90	22.86	0.07512	21.14	41.94	25.84	1.89	25.84	0.00
4/9/2015	17.70	16.93	0.07512	15.66	31.06	19.13	1.40	19.13	0.00
4/10/2015	14.80	14.16	0.07512	13.09	25.97	16.00	1.17	16.00	0.00
4/11/2015	15.70	15.02	0.07512	13.89	27.55	16.97	1.24	16.97	0.00
4/12/2015	15.20	14.54	0.07512	13.45	26.67	16.43	1.20	16.43	0.00
4/13/2015	12.20	11.67	0.07512	10.79	21.41	13.19	0.96	13.19	0.00
4/14/2015	10.50	10.04	0.07512	9.29	18.43	11.35	0.83	11.35	0.00
4/15/2015	9.23	8.83	0.07512	8.17	16.20	9.98	0.73	9.98	0.00
4/16/2015	7.84	7.50	0.08671	6.85	13.59	8.37	0.72	8.37	0.00
4/17/2015	7.84	7.50	0.08671	6.85	13.59	8.37	0.72	8.37	0.00
4/18/2015	9.03	8.64	0.07512	7.99	15.85	9.76	0.71	9.76	0.00
4/19/2015	6.96	6.66	0.07512	6.16	12.21	7.52	0.55	7.52	0.00
4/20/2015	7.98	7.63	0.06597	7.13	14.14	8.71	0.55	8.71	0.00
4/21/2015	7.41	7.09	0.05337	6.71	13.31	8.20	0.42	8.20	0.00
4/22/2015	7.40	7.08	0.05011	6.72	13.34	8.22	0.39	8.22	0.00
4/23/2015	6.95	6.65	0.05011	6.32	12.53	7.72	0.37	7.72	0.00
4/24/2015	7.47	7.15	0.05011	6.79	13.46	8.29	0.39	8.29	0.00
4/25/2015	9.43	9.02	0.05337	8.54	16.94	10.43	0.53	10.43	0.00
4/26/2015	9.45	9.04	0.05337	8.56	16.97	10.46	0.53	10.46	0.00
4/27/2015	8.48	8.11	0.05337	7.68	15.23	9.38	0.48	9.38	0.00
4/28/2015	8.70	8.32	0.05337	7.88	15.63	9.63	0.49	9.63	0.00
4/29/2015	8.24	7.88	0.05011	7.49	14.85	9.15	0.43	9.15	0.00
4/30/2015	7.79	7.45	0.04401	7.12	14.13	8.70	0.36	8.70	0.00
5/1/2015	7.60	7.27	0.04401	6.95	13.79	8.49	0.35	8.49	0.00
						404.51	26.52	404.51	0.00
						404.51	26.17	396.02	0.00

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
May, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	crdtofst acre ft	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
5/1/2015	85.00	0.00	Yes	62.50	24.00	22.88	0.08	0.014	0.006	0.014	0.03992	29.55	85.0	33.00	669.00	702	0.233	0.290	0.080
5/2/2015	99.70	0.00	Yes	62.50	24.00	22.88	0.08	0.014	0.005	0.014	0.03856	29.55	99.7	59.00	533.00	592	0.233	0.233	0.080
5/3/2015	122.00	0.00	Yes	62.50	24.00	22.88	0.08	0.011	0.005	0.014	0.03533	29.60	122.0	75.00	456.00	531	0.188	0.233	0.080
5/4/2015	96.00	1.34	Yes	62.50	22.66	21.60	0.08	0.014	0.005	0.019	0.04466	29.70	96.0	62.00	417.00	479	0.233	0.233	0.110
5/5/2015	82.00	0.42	Yes	62.50	23.58	22.48	0.08	0.014	0.005	0.019	0.04466	27.77	82.0	59.00	382.00	441	0.233	0.233	0.110
5/6/2015	973.00	0.13	Yes	62.50	23.88	22.76	0.08	0.005	0.002	0.014	0.02392	28.90	973.0	521.00	357.00	878	0.080	0.080	0.080
5/7/2015	572.00	0.38	Yes	62.50	23.62	22.52	0.08	0.005	0.002	0.014	0.02464	29.89	572.0	361.00	467.00	828	0.080	0.110	0.080
5/8/2015	279.00	17.30	Yes	62.50	6.70	6.39	0.02	0.008	0.003	0.014	0.02832	29.55	279.0	291.00	771.00	1062	0.126	0.126	0.080
5/9/2015	138.00	0.00	No	62.50	62.50	59.58	0.21	0.011	0.003	0.000	0.0172	8.35	138.0	182.00	1620.00	1802	0.188	0.155	FALSE
5/10/2015	99.80	0.00	No	62.50	62.50	59.58	0.21	0.014	0.004	0.000	0.02122	78.79	99.8	116.00	1940.00	2056	0.233	0.188	FALSE
5/11/2015	77.20	0.00	No	62.50	62.50	59.58	0.21	0.014	0.005	0.000	0.02229	78.47	77.2	91.00	2290.00	2381	0.233	0.233	FALSE
5/12/2015	60.70	0.00	No	60.70	60.70	57.86	0.20	0.014	0.005	0.000	0.02229	78.38	60.7	56.00	3010.00	3066	0.233	0.233	FALSE
5/13/2015	61.20	0.00	No	61.20	61.20	58.34	0.21	0.014	0.005	0.000	0.02229	76.12	61.2	85.00	3540.00	3625	0.233	0.233	FALSE
5/14/2015	59.90	0.00	No	59.90	59.90	57.10	0.20	0.014	0.005	0.000	0.02229	76.75	59.9	88.00	3050.00	3138	0.233	0.233	FALSE
5/15/2015	45.60	0.00	No	45.60	45.60	43.47	0.15	0.017	0.005	0.000	0.02638	75.12	45.6	82.00	3260.00	3342	0.290	0.233	FALSE
5/16/2015	34.90	0.00	No	34.90	34.90	33.27	0.12	0.017	0.005	0.000	0.02638	56.95	34.9	77.00	2520.00	2597	0.290	0.233	FALSE
5/17/2015	33.70	0.00	No	33.70	33.70	32.12	0.11	0.017	0.005	0.000	0.02638	43.58	33.7	73.00	1250.00	1323	0.290	0.233	FALSE
5/18/2015	28.20	0.00	No	28.20	28.20	26.88	0.09	0.017	0.005	0.014	0.04265	42.09	28.2	71.00	1030.00	1101	0.290	0.233	0.080
5/19/2015	40.10	1.29	No	41.39	40.10	38.22	0.13	0.017	0.004	0.000	0.02531	34.63	40.1	127.00	1990.00	2117	0.290	0.188	FALSE
5/20/2015	824.00	0.00	No	62.50	62.50	59.58	0.21	0.005	0.003	0.000	0.00875	50.13	824.0	281.00	2610.00	2891	0.080	0.126	FALSE
5/21/2015	4010.00	0.00	No	62.50	62.50	59.58	0.21	0.000	0.000	0.000	0	79.46	4010.0	2340.00	3090.00	5430	FALSE	FALSE	FALSE
5/22/2015	1210.00	0.00	No	62.50	62.50	59.58	0.21	0.000	0.000	0.000	0	80.17	1210.0	1730.00	4770.00	6500	FALSE	FALSE	FALSE
5/23/2015	783.00	0.00	No	62.50	62.50	59.58	0.21	0.005	0.002	0.000	0.00765	80.17	783.0	640.00	4890.00	5530	0.080	0.080	FALSE
5/24/2015	6.50	0.00	No	6.50	6.50	6.20	0.02	0.017	0.002	0.000	0.02272	79.55	6.5	590.00	4260.00	4850	0.290	0.080	FALSE
5/25/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.002	0.000	0.02344	8.15	0.0	442.00	5390.00	5832	0.290	0.110	FALSE
5/26/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	265.00	4990.00	5255	0.290	0.126	FALSE
5/27/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	208.00	4030.00	4238	0.290	0.126	FALSE
5/28/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02452	0.00	0.0	180.00	3910.00	4090	0.290	0.155	FALSE
5/29/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02452	0.00	0.0	195.00	4180.00	4375	0.290	0.155	FALSE
5/30/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02382	0.00	0.0	215.00	4430.00	4645	0.290	0.126	FALSE
5/31/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.002	0.000	0.02344	0.00	0.0	301.00	4200.00	4501	0.290	0.110	FALSE
6/1/2015	607.00	0.00	No	62.50	62.50	59.58	0.21	0.005	0.002	0.000	0.00765	0.00	607.0	517.00	4220.00	4737	0.080	0.080	FALSE

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for May =	67.6%	TOTAL AF	1854	4
10CW85 CU factor for May =	68.3%	MAX =	1854	91 <<Normally 1854 for 02CW181 and 91 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	Yes	No
10CW85 LAWMA SHARES =	12	02CW181 Cumulative Annual LAWMA=	2556	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	6	
		10CW85 Annual Limit Leased=	602	

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
May, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
5/2/2015	24.00	22.96	0.03992	22.04	43.72	29.55	1.11	29.55	0.00
5/3/2015	24.00	22.96	0.03856	22.07	43.78	29.60	1.07	29.60	0.00
5/4/2015	24.00	22.96	0.03533	22.15	43.93	29.70	0.98	29.70	0.00
5/5/2015	22.66	21.68	0.04466	20.71	41.07	27.77	1.17	27.77	0.00
5/6/2015	23.58	22.56	0.04466	21.55	42.75	28.90	1.22	28.90	0.00
5/7/2015	23.88	22.84	0.02392	22.29	44.22	29.89	0.66	29.89	0.00
5/8/2015	23.62	22.60	0.02464	22.04	43.72	29.55	0.67	29.55	0.00
5/9/2015	6.70	6.41	0.02832	6.23	12.35	8.35	0.22	8.35	0.00
5/10/2015	62.50	59.79	0.01720	58.76	116.55	78.79	1.24	0.00	0.00
5/11/2015	62.50	59.79	0.02122	58.52	116.07	78.47	1.53	0.00	0.00
5/12/2015	62.50	59.79	0.02229	58.45	115.94	78.38	1.61	0.00	0.00
5/13/2015	60.70	58.06	0.02229	56.00	111.08	75.09	2.49	0.00	0.00
5/14/2015	61.20	58.54	0.02229	57.24	113.53	76.75	1.57	0.00	0.00
5/15/2015	59.90	57.30	0.02229	56.02	111.12	75.12	1.54	0.00	0.00
5/16/2015	45.60	43.62	0.02638	42.47	84.24	56.95	1.39	0.00	0.00
5/17/2015	34.90	33.38	0.02638	32.50	64.47	43.58	1.06	0.00	0.00
5/18/2015	33.70	32.24	0.02638	31.39	62.25	42.09	1.03	0.00	0.00
5/19/2015	28.20	26.98	0.04265	25.82	51.22	34.63	1.39	0.00	0.00
5/20/2015	40.10	38.36	0.02531	37.39	74.16	50.13	1.17	0.00	0.00
5/21/2015	62.50	59.79	0.00875	59.26	117.55	79.46	0.63	0.00	0.00
5/22/2015	62.50	59.79	0.00000	59.79	118.58	80.17	0.00	0.00	0.00
5/23/2015	62.50	59.79	0.00000	59.79	118.58	80.17	0.00	0.00	0.00
5/24/2015	62.50	59.79	0.00765	59.33	117.68	79.55	0.55	0.00	0.00
5/25/2015	6.50	6.22	0.02272	6.08	12.05	8.15	0.17	0.00	0.00
5/26/2015	0.00	0.00	0.02344	0.00	0.00	0.00	0.00	0.00	0.00
5/27/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	0.00
5/28/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	0.00
5/29/2015	0.00	0.00	0.02452	0.00	0.00	0.00	0.00	0.00	1017.38
5/30/2015	0.00	0.00	0.02452	0.00	0.00	0.00	0.00	0.00	0.00
5/31/2015	0.00	0.00	0.02382	0.00	0.00	0.00	0.00	0.00	0.00
6/1/2015	0.00	0.00	0.02344	0.00	0.00	0.00	0.00	0.00	0.00
						1230.77	24.47	213.31	1017.38
						1230.77		221.80	1017.38

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2015**

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tloss#ctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
6/1/2015	607.00	0.00	No	62.50	62.50	59.58	0.21	0.005	0.002	0.000	0.00765	acre ft	607.0	517.0	4220.0	4737	0.080	0.080	FALSE
6/2/2015	531.00	0.00	No	62.50	62.50	59.58	0.21	0.005	0.002	0.000	0.00837	88.50	531.0	458.0	3910.0	4368	0.080	0.110	FALSE
6/3/2015	434.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.002	0.000	0.01052	88.43	434.0	381.0	3310.0	3691	0.110	0.110	FALSE
6/4/2015	380.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.002	0.000	0.01052	88.24	380.0	304.0	3220.0	3524	0.110	0.110	FALSE
6/5/2015	347.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01091	88.24	347.0	292.0	3310.0	3602	0.110	0.126	FALSE
6/6/2015	296.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01206	88.21	296.0	239.0	3530.0	3769	0.126	0.126	FALSE
6/7/2015	342.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01091	88.11	342.0	282.0	3700.0	3982	0.110	0.126	FALSE
6/8/2015	220.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01275	88.21	220.0	186.0	3810.0	3996	0.126	0.155	FALSE
6/9/2015	221.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01275	88.04	221.0	161.0	4020.0	4181	0.126	0.155	FALSE
6/10/2015	265.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01275	88.04	265.0	151.0	3990.0	4141	0.126	0.155	FALSE
6/11/2015	308.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01116	88.04	308.0	152.0	3970.0	4122	0.110	0.155	FALSE
6/12/2015	1260.00	0.00	No	62.50	62.50	59.58	0.21	0.000	0.002	0.000	0.00191	88.15	1260.0	852.0	4050.0	4902	FALSE	0.080	FALSE
6/13/2015	313.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01091	89.01	313.0	244.0	4610.0	4854	0.110	0.126	FALSE
6/14/2015	188.00	0.00	No	62.50	62.50	59.58	0.21	0.009	0.004	0.000	0.01562	88.21	188.0	124.0	4460.0	4584	0.155	0.188	FALSE
6/15/2015	291.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01275	87.79	291.0	179.0	3850.0	4029	0.126	0.155	FALSE
6/16/2015	291.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.000	0.01275	88.04	291.0	177.0	3820.0	3997	0.126	0.155	FALSE
6/17/2015	302.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01116	88.04	302.0	174.0	3920.0	4094	0.110	0.155	FALSE
6/18/2015	369.00	0.00	No	62.50	62.50	59.58	0.21	0.007	0.003	0.000	0.01091	88.15	369.0	222.0	3980.0	4202	0.110	0.126	FALSE
6/19/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.003	0.000	0.02452	88.21	0.0	192.0	3910.0	4102	0.290	0.155	FALSE
6/20/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.005	0.000	0.02638	0.00	0.0	91.0	3780.0	3871	0.290	0.233	FALSE
6/21/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.005	0.000	0.02638	0.00	0.0	66.0	3810.0	3876	0.290	0.233	FALSE
6/22/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0	0.290	0.290	0.290
6/23/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/24/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/25/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/26/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/27/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/28/2015				0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0			0.0	0.290	0.290	0.290
6/29/2015				0.00	0.00	0.00	0.00	0.017	0.005	0.049	0.08535	0.00	0.0			0.0	0.290	0.233	0.290
6/30/2015	23.40	0.00	No	23.40	23.40	22.31	0.08	0.017	0.006	0.000	0.02775	0.00	23.4	56.0	3140.0	3196.0	0.290	0.290	FALSE
7/1/2015	19.1	0	No									32.46		49.0	3150.0				

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for June = 75.2%	TOTAL AF	2171	8	
10CW85 CU factor for June = 76.3%	MAX =	2172	107	<<Normally 2172 for 02CW181 and 107 for 10CW85
02CW181 LAWMA SHARES = 3402	Exceeded?	No	No	
10CW85 LAWMA SHARES = 12	02CW181 Cumulative Annual LAWMA=	4728		
DIVERTED SHARES = 231	02CW181 Annual Limit LAWMA=	12862		
TOTAL SHARES = 3800	10CW85 Cumulative Annual Leased=	14		
	10CW85 Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
June, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
6/2/2015	62.50	59.79	0.00765	59.33	117.68	88.50	0.61	0.00	88.50
6/3/2015	62.50	59.79	0.00837	59.29	117.59	88.43	0.67	0.00	88.43
6/4/2015	62.50	59.79	0.01052	59.16	117.34	88.24	0.84	0.00	88.24
6/5/2015	62.50	59.79	0.01052	59.16	117.34	88.24	0.84	0.00	88.24
6/6/2015	62.50	59.79	0.01091	59.13	117.29	88.21	0.88	0.00	88.21
6/7/2015	62.50	59.79	0.01206	59.06	117.16	88.11	0.97	0.00	88.11
6/8/2015	62.50	59.79	0.01091	59.13	117.29	88.21	0.88	0.00	88.21
6/9/2015	62.50	59.79	0.01275	59.02	117.07	88.04	1.02	0.00	88.04
6/10/2015	62.50	59.79	0.01275	59.02	117.07	88.04	1.02	0.00	88.04
6/11/2015	62.50	59.79	0.01275	59.02	117.07	88.04	1.02	0.00	88.04
6/12/2015	62.50	59.79	0.01160	59.09	117.21	88.15	0.93	0.00	88.15
6/13/2015	62.50	59.79	0.00191	59.67	118.36	89.01	0.15	0.00	89.01
6/14/2015	62.50	59.79	0.01091	59.13	117.29	88.21	0.88	0.00	88.21
6/15/2015	62.50	59.79	0.01562	58.85	116.73	87.79	1.25	0.00	87.79
6/16/2015	62.50	59.79	0.01275	59.02	117.07	88.04	1.02	0.00	88.04
6/17/2015	62.50	59.79	0.01275	59.02	117.07	88.04	1.02	0.00	88.04
6/18/2015	62.50	59.79	0.01160	59.09	117.21	88.15	0.93	0.00	88.15
6/19/2015	62.50	59.79	0.01091	59.13	117.29	88.21	0.88	0.00	88.21
6/20/2015	0.00	0.00	0.02452	0.00	0.00	0.00	0.00	0.00	0.00
6/21/2015	0.00	0.00	0.02638	0.00	0.00	0.00	0.00	0.00	0.00
6/22/2015	0.00	0.00	0.02638	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/25/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/27/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/28/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/29/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2015	0.00	0.00	0.08535	0.00	0.00	0.00	0.00	0.00	0.00
7/1/2015	23.40	22.38	0.02775	21.76	43.17	32.46	0.83	0.00	32.46
						1620.12	16.66	0.00	1620.12
						1587.66		0.00	1587.66

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	tross#1	tross#2	tross#3	LAWMA tlossfctr	crdtoffst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
7/1/2015	19.10	0.00	No	19.10	19.10	18.21	0.06	0.017	0.006	0.000	0.0277472	acre ft	19.1	49.00	3150.00	3199	0.290	0.290	FALSE
7/2/2015	17.30	0.00	No	17.30	17.30	16.49	0.06	0.017	0.006	0.000	0.0277472	27.87	17.3	47.00	3150.00	3197	0.290	0.290	FALSE
7/3/2015	36.90	0.00	No	36.90	36.90	35.17	0.12	0.017	0.005	0.000	0.02638376	25.25	36.9	69.00	3210.00	3279	0.290	0.233	FALSE
7/4/2015	23.10	0.00	No	23.10	23.10	22.02	0.08	0.017	0.005	0.000	0.02638376	53.92	23.1	66.00	3260.00	3326	0.290	0.233	FALSE
7/5/2015	15.60	0.00	No	15.60	15.60	14.87	0.05	0.017	0.005	0.000	0.02638376	33.76	15.6	58.00	3210.00	3268	0.290	0.233	FALSE
7/6/2015	21.90	0.00	No	21.90	21.90	20.88	0.07	0.017	0.005	0.000	0.02638376	22.80	21.9	60.00	3200.00	3260	0.290	0.233	FALSE
7/7/2015	19.20	0.00	No	19.20	19.20	18.30	0.06	0.017	0.005	0.000	0.02638376	32.00	19.2	56.00	3250.00	3306	0.290	0.233	FALSE
7/8/2015	37.20	0.00	No	37.20	37.20	35.46	0.13	0.017	0.005	0.000	0.02638376	28.06	37.2	67.00	3260.00	3327	0.290	0.233	FALSE
7/9/2015	64.70	0.00	No	62.50	62.50	59.58	0.21	0.014	0.005	0.000	0.02229344	54.36	64.7	97.00	3290.00	3387	0.233	0.233	FALSE
7/10/2015	85.40	0.00	No	62.50	62.50	59.58	0.21	0.014	0.005	0.000	0.02229344	91.71	85.4	97.00	3260.00	3357	0.233	0.233	FALSE
7/11/2015	64.30	0.00	No	62.50	62.50	59.58	0.21	0.014	0.005	0.000	0.02229344	91.71	64.3	97.00	3050.00	3147	0.233	0.233	FALSE
7/12/2015	45.80	0.00	No	45.80	45.80	43.66	0.15	0.017	0.005	0.000	0.02638376	91.71	45.8	65.00	3120.00	3185	0.290	0.233	FALSE
7/13/2015	40.80	0.00	No	40.80	40.80	38.89	0.14	0.017	0.005	0.000	0.02638376	66.93	40.8	64.00	3110.00	3174	0.290	0.233	FALSE
7/14/2015	72.90	0.00	No	62.50	62.50	59.58	0.21	0.014	0.005	0.000	0.02229344	59.62	72.9	56.00	1330.00	1386	0.233	0.233	FALSE
7/15/2015	35.80	0.00	No	35.80	35.80	34.12	0.12	0.017	0.005	0.000	0.02638376	91.71	35.8	81.00	1220.00	1301	0.290	0.233	FALSE
7/16/2015	26.60	0.00	No	26.60	26.60	25.36	0.09	0.017	0.006	0.014	0.0440128	52.31	26.6	48.00	1130.00	1178	0.290	0.290	0.080
7/17/2015	24.10	0.00	No	24.10	24.10	22.97	0.08	0.017	0.006	0.014	0.0440128	38.17	24.1	40.00	1060.00	1100	0.290	0.290	0.080
7/18/2015	23.70	0.00	No	23.70	23.70	22.59	0.08	0.017	0.006	0.014	0.0440128	34.58	23.7	35.00	1040.00	1075	0.290	0.290	0.080
7/19/2015	47.80	0.00	No	47.80	47.80	45.56	0.16	0.017	0.006	0.014	0.0440128	34.01	47.8	45.00	993.00	1038	0.290	0.290	0.080
7/20/2015	52.00	0.00	No	52.00	52.00	49.57	0.17	0.014	0.005	0.014	0.03855904	68.59	52.0	55.00	857.00	912	0.233	0.233	0.080
7/21/2015	41.50	0.03	No	41.53	41.50	39.56	0.14	0.017	0.005	0.021	0.05200208	75.04	41.5	52.00	201.00	253	0.290	0.233	0.126
7/22/2015	116.00	3.00	No	62.50	59.50	56.72	0.20	0.011	0.005	0.021	0.04468256	59.05	116.0	92.00	162.00	254	0.188	0.233	0.126
7/23/2015	84.10	1.82	No	62.50	60.68	57.84	0.20	0.014	0.005	0.021	0.04791176	85.31	84.1	81.00	127.00	208	0.233	0.233	0.126
7/24/2015	58.60	3.25	No	61.85	58.60	55.86	0.20	0.014	0.005	0.026	0.05380804	86.71	58.6	99.00	91.00	190	0.233	0.233	0.155
7/25/2015	18.90	3.03	No	21.93	18.90	18.02	0.06	0.017	0.005	0.032	0.06460792	83.22	18.9	77.00	63.00	140	0.290	0.233	0.188
7/26/2015	12.80	3.10	No	15.90	12.80	12.20	0.04	0.017	0.005	0.032	0.06460792	26.53	12.8	67.00	50.00	117	0.290	0.233	0.188
7/27/2015	10.70	3.23	No	13.93	10.70	10.20	0.04	0.017	0.005	0.032	0.06460792	17.97	10.7	57.00	43.00	100	0.290	0.233	0.188
7/28/2015	15.80	3.49	No	19.29	15.80	15.06	0.05	0.017	0.005	0.040	0.07375732	15.02	15.8	52.00	36.00	88	0.290	0.233	0.233
7/29/2015	7.01	3.12	No	10.13	7.01	6.68	0.02	0.017	0.006	0.040	0.07512076	21.97	7.0	41.00	33.00	74	0.290	0.290	0.233
7/30/2015	14.70	3.02	No	17.72	14.70	14.01	0.05	0.017	0.006	0.040	0.07512076	9.73	14.7	38.00	25.00	63	0.290	0.290	0.233
7/31/2015	19.50	2.96	No	22.46	19.50	18.59	0.07	0.017	0.006	0.040	0.07512076	20.41	19.5	36.00	22.00	58	0.290	0.290	0.233
8/1/2015	18.10	2.97	No	21.07	18.10	17.25	0.06	0.017	0.006	0.040	0.07512076	27.07	18.1	34.00	19.00	53	0.290	0.290	0.233

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for July =	79.1%	TOTAL AF	1998	7
10CW85 CU factor for July =	80.4%	MAX =	2369	116 <<Normally 2369 for 02CW181 and 116 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No
10CW85 LAWMA SHARES =	12	02CW181 Cumulative Annual LAWMA=	6725	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	21	
		10CW85 Annual Limit Leased=	602	



**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
July, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
7/2/2015	19.10	18.27	0.02775	17.76	35.23	27.87	0.72	0.00	27.87
7/3/2015	17.30	16.55	0.02775	16.09	31.91	25.25	0.65	0.00	25.25
7/4/2015	36.90	35.30	0.02638	34.37	68.17	53.92	1.32	0.00	53.92
7/5/2015	23.10	22.10	0.02638	21.51	42.67	33.76	0.82	0.00	33.76
7/6/2015	15.60	14.92	0.02638	14.53	28.82	22.80	0.56	0.00	22.80
7/7/2015	21.90	20.95	0.02638	20.40	40.46	32.00	0.78	0.00	32.00
7/8/2015	19.20	18.37	0.02638	17.88	35.47	28.06	0.68	0.00	28.06
7/9/2015	37.20	35.58	0.02638	34.65	68.72	54.36	1.33	0.00	54.36
7/10/2015	62.50	59.79	0.02229	58.45	115.94	91.71	1.88	0.00	91.71
7/11/2015	62.50	59.79	0.02229	58.45	115.94	91.71	1.88	0.00	91.71
7/12/2015	62.50	59.79	0.02229	58.45	115.94	91.71	1.88	0.00	91.71
7/13/2015	45.80	43.81	0.02638	42.66	84.61	66.93	1.63	0.00	66.93
7/14/2015	40.80	39.03	0.02638	38.00	75.37	59.62	1.45	0.00	59.62
7/15/2015	62.50	59.79	0.02229	56.00	111.08	87.87	5.35	0.00	87.87
7/16/2015	35.80	34.25	0.02638	33.34	66.13	52.31	1.28	0.00	52.31
7/17/2015	26.60	25.44	0.04401	24.32	48.25	38.17	1.58	0.00	38.17
7/18/2015	24.10	23.05	0.04401	22.04	43.71	34.58	1.43	0.00	34.58
7/19/2015	23.70	22.67	0.04401	21.67	42.99	34.01	1.41	0.00	34.01
7/20/2015	47.80	45.72	0.04401	43.71	86.70	68.59	2.84	0.00	68.59
7/21/2015	52.00	49.74	0.03856	47.82	94.86	75.04	2.71	0.00	75.04
7/22/2015	41.50	39.70	0.05200	37.63	74.65	59.05	2.91	0.00	59.05
7/23/2015	59.50	56.92	0.04468	54.37	107.85	85.31	3.59	0.00	85.31
7/24/2015	60.68	58.04	0.04791	55.26	109.62	86.71	3.93	0.00	86.71
7/25/2015	58.60	56.06	0.05381	53.04	105.20	83.22	4.26	0.00	83.22
7/26/2015	18.90	18.08	0.06461	16.91	33.54	26.53	1.65	0.00	26.53
7/27/2015	12.80	12.24	0.06461	11.45	22.72	17.97	1.12	0.00	17.97
7/28/2015	10.70	10.24	0.06461	9.57	18.99	15.02	0.93	0.00	15.02
7/29/2015	15.80	15.11	0.07376	14.00	27.77	21.97	1.57	0.00	21.97
7/30/2015	7.01	6.71	0.07512	6.20	12.30	9.73	0.71	0.00	9.73
7/31/2015	14.70	14.06	0.07512	13.01	25.80	20.41	1.49	0.00	20.41
8/1/2015	19.50	18.65	0.07512	17.25	34.22	27.07	1.98	0.00	27.07
						1523.25	56.32	0.00	1523.25
						1528.64		0.00	1528.64

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2015**

Date	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	crdtofst	Purg@hgh	Purg@LA	Ark@LA	Arkcnfl	factor#1	factor#2	factor#3
8/1/2015	18.10	2.97	No	21.07	18.10	17.25	0.06	0.017	0.006	0.040	0.07512	acre ft	18.1	34.00	19.00	53	0.290	0.290	0.233
8/2/2015	39.30	3.12	No	42.42	39.30	37.46	0.13	0.017	0.006	0.040	0.07512	25.63	39.3	46.00	15.00	61	0.290	0.290	0.233
8/3/2015	24.70	3.15	No	27.85	24.70	23.54	0.08	0.017	0.005	0.040	0.07376	55.66	24.7	60.00	15.00	75	0.290	0.233	0.233
8/4/2015	22.00	3.06	No	25.06	22.00	20.97	0.07	0.017	0.005	0.032	0.06461	35.03	22.0	58.00	52.00	110	0.290	0.233	0.188
8/5/2015	13.20	2.70	No	15.90	13.20	12.58	0.04	0.017	0.006	0.040	0.07512	31.51	13.2	29.00	33.00	62	0.290	0.290	0.233
8/6/2015	10.50	2.22	No	12.72	10.50	10.01	0.04	0.017	0.006	0.040	0.07512	18.69	10.5	26.00	57.00	83	0.290	0.290	0.233
8/7/2015	24.30	2.34	No	26.64	24.30	23.16	0.08	0.017	0.006	0.040	0.07512	14.87	24.3	34.00	31.00	65	0.290	0.290	0.233
8/8/2015	12.70	2.22	No	14.92	12.70	12.11	0.04	0.017	0.006	0.040	0.07512	34.41	12.7	33.00	27.00	60	0.290	0.290	0.233
8/9/2015	7.59	2.23	No	9.82	7.59	7.23	0.03	0.017	0.006	0.040	0.07512	17.99	7.6	30.00	24.00	54	0.290	0.290	0.233
8/10/2015	140.00	12.90	No	62.50	49.60	47.28	0.17	0.011	0.005	0.026	0.05058	10.75	140.0	77.00	73.00	150	0.188	0.233	0.155
8/11/2015	44.44	0.90	No	45.34	44.44	42.36	0.15	0.017	0.005	0.026	0.0579	72.11	44.4	83.00	74.00	157	0.290	0.233	0.155
8/12/2015	17.20	0.71	No	17.91	17.20	16.40	0.06	0.017	0.006	0.032	0.06597	64.11	17.2	32.00	80.00	112	0.290	0.290	0.188
8/13/2015	32.60	2.09	No	34.69	32.60	31.07	0.11	0.017	0.006	0.019	0.05011	24.60	32.6	29.00	377.00	406	0.290	0.290	0.110
8/14/2015	44.80	2.90	No	47.70	44.80	42.70	0.15	0.017	0.006	0.019	0.05011	47.42	44.8	41.00	259.00	300	0.290	0.290	0.110
8/15/2015	44.00	3.35	No	47.35	44.00	41.94	0.15	0.017	0.006	0.021	0.05337	65.16	44.0	49.00	188.00	237	0.290	0.290	0.126
8/16/2015	70.10	3.39	No	62.50	59.11	56.34	0.20	0.014	0.006	0.021	0.04928	63.78	70.1	48.00	203.00	251	0.233	0.290	0.126
8/17/2015	82.10	13.30	No	62.50	49.20	46.90	0.17	0.014	0.005	0.026	0.05381	86.05	82.1	60.00	97.00	157	0.233	0.233	0.155
8/18/2015	55.10	4.52	No	59.62	55.10	52.52	0.19	0.014	0.004	0.019	0.04358	71.28	55.1	108.00	300.00	408	0.233	0.188	0.110
8/19/2015	14.80	2.84	No	17.64	14.80	14.11	0.05	0.017	0.006	0.019	0.05011	80.69	14.8	31.00	297.00	328	0.290	0.290	0.110
8/20/2015	28.30	3.18	No	31.48	28.30	26.98	0.10	0.017	0.005	0.019	0.04875	21.53	28.3	58.00	381.00	439	0.290	0.233	0.110
8/21/2015	18.10	2.94	No	21.04	18.10	17.25	0.06	0.017	0.005	0.019	0.04875	41.22	18.1	50.00	360.00	410	0.290	0.233	0.110
8/22/2015	10.30	2.98	No	13.28	10.30	9.82	0.03	0.017	0.006	0.021	0.05337	26.36	10.3	34.00	204.00	238	0.290	0.290	0.126
8/23/2015	6.83	3.28	No	10.11	6.83	6.51	0.02	0.017	0.006	0.026	0.05926	14.93	6.8	31.00	126.00	157	0.290	0.290	0.155
8/24/2015	7.13	3.28	No	10.41	7.13	6.80	0.02	0.017	0.006	0.032	0.06597	9.84	7.1	26.00	104.00	130	0.290	0.290	0.188
8/25/2015	5.70	3.28	No	8.98	5.70	5.43	0.02	0.017	0.006	0.032	0.06597	10.20	5.7	20.00	98	118	0.290	0.290	0.188
8/26/2015	4.78	3.28	No	8.06	4.78	4.56	0.02	0.017	0.006	0.040	0.07512	8.15	4.8	15.00	82	97	0.290	0.290	0.233
8/27/2015	4.98	3.28	No	8.26	4.98	4.75	0.02	0.017	0.006	0.040	0.07512	6.77	5.0	13.00	70	83	0.290	0.290	0.233
8/28/2015	10.30	3.44	No	13.74	10.30	9.82	0.03	0.017	0.006	0.040	0.07512	7.05	10.3	14.00	59	73	0.290	0.290	0.233
8/29/2015	7.46	3.40	No	10.86	7.46	7.11	0.03	0.017	0.006	0.040	0.07512	14.59	7.5	18.00	47	65	0.290	0.290	0.233
8/30/2015	4.78	3.29	No	8.07	4.78	4.56	0.02	0.017	0.006	0.040	0.07512	10.56	4.8	15.00	42	57	0.290	0.290	0.233
8/31/2015	4.33	3.28	No	7.61	4.33	4.13	0.01	0.017	0.006	0.040	0.07512	6.77	4.3	13.00	41.00	54	0.290	0.290	0.233
9/1/2015	2.86	3.28	No	6.14	2.86	2.73	0.01	0.017	0.006	0.040	0.07512	6.13	2.9	12.00	54.00	66	0.290	0.290	0.233

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for August =	80.7%	TOTAL AF	1316	5
10CW85 CU factor for August =	81.9%	MAX =	2570	126 <<Normally 2570 for 02CW181 and 126 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No
10CW85 LAWMA SHARES =	12	02CW181 Cumulative Annual LAWMA=	8042	
DIVERTED SHARES =	231	02CW181 Annual Limit LAWMA=	12862	
TOTAL SHARES =	3800	10CW85 Cumulative Annual Leased=	26	
		10CW85 Annual Limit Leased=	602	

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
August, 2015**

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)	In-State Replacement Flows	Amount of CU Water to Account (ac-ft)
8/2/2015	18.10	17.31	0.07512	16.01	31.76	25.63	1.87	0.00	25.63
8/3/2015	39.30	37.59	0.07512	34.77	68.96	55.66	4.07	0.00	55.66
8/4/2015	24.70	23.63	0.07376	21.88	43.41	35.03	2.51	0.00	35.03
8/5/2015	22.00	21.04	0.06461	19.68	39.05	31.51	1.96	0.00	31.51
8/6/2015	13.20	12.63	0.07512	11.68	23.16	18.69	1.37	0.00	18.69
8/7/2015	10.50	10.04	0.07512	9.29	18.43	14.87	1.09	0.00	14.87
8/8/2015	24.30	23.24	0.07512	21.50	42.64	34.41	2.52	0.00	34.41
8/9/2015	12.70	12.15	0.07512	11.24	22.29	17.99	1.31	0.00	17.99
8/10/2015	7.59	7.26	0.07512	6.71	13.32	10.75	0.79	0.00	10.75
8/11/2015	49.60	47.45	0.05058	45.05	89.35	72.11	3.46	0.00	72.11
8/12/2015	44.44	42.51	0.05790	40.05	79.44	64.11	3.55	0.00	64.11
8/13/2015	17.20	16.45	0.06597	15.37	30.48	24.60	1.56	0.00	24.60
8/14/2015	32.60	31.18	0.05011	29.00	57.52	46.42	3.15	0.00	46.42
8/15/2015	44.80	42.85	0.05011	40.71	80.74	65.16	3.09	0.00	65.16
8/16/2015	44.00	42.09	0.05337	39.84	79.03	63.78	3.24	0.00	63.78
8/17/2015	59.11	56.54	0.04928	48.00	95.21	76.84	12.31	0.00	76.84
8/18/2015	49.20	47.06	0.05381	44.53	88.33	71.28	3.65	0.00	71.28
8/19/2015	55.10	52.71	0.04358	50.41	99.99	80.69	3.31	0.00	80.69
8/20/2015	14.80	14.16	0.05011	13.45	26.67	21.53	1.02	0.00	21.53
8/21/2015	28.30	27.07	0.04875	25.75	51.08	41.22	1.90	0.00	41.22
8/22/2015	18.10	17.31	0.04875	16.47	32.67	26.36	1.22	0.00	26.36
8/23/2015	10.30	9.85	0.05337	9.33	18.50	14.93	0.76	0.00	14.93
8/24/2015	6.83	6.53	0.05926	6.15	12.19	9.84	0.56	0.00	9.84
8/25/2015	7.13	6.82	0.06597	6.37	12.64	10.20	0.65	0.00	10.20
8/26/2015	5.70	5.45	0.06597	5.09	10.10	8.15	0.00	0.00	8.15
8/27/2015	4.78	4.57	0.07512	4.23	8.39	6.77	0.00	0.00	6.77
8/28/2015	4.98	4.76	0.07512	4.41	8.74	7.05	0.00	0.00	7.05
8/29/2015	10.30	9.85	0.07512	9.11	18.07	14.59	1.07	0.00	14.59
8/30/2015	7.46	7.14	0.07512	6.60	13.09	10.56	0.77	0.00	10.56
8/31/2015	4.78	4.57	0.07512	4.23	8.39	6.77	0.49	0.00	6.77
9/1/2015	4.33	4.14	0.07512	3.83	7.60	6.13	0.45	0.00	6.13
						993.65	63.67	0.00	993.65
						1014.59	65.20	0.00	1014.59

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA tlossfctr	crdtoffst	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
9/1/2015	2.86	3.28	No	6.14	2.86	2.73	0.01	0.017	0.006	0.040	0.07512	acre ft	2.9	12.0	54.0	66	0.290	0.290	0.233
9/2/2015	1.57	3.21	No	4.78	1.57	1.50	0.01	0.017	0.006	0.049	0.08671	3.40	1.6	12.0	34.0	46	0.290	0.290	0.290
9/3/2015	0.75	2.55	No	3.30	0.75	0.71	0.00	0.017	0.006	0.049	0.08671	1.84	0.7	13.0	31.0	44	0.290	0.290	0.290
9/4/2015	0.00	1.83	No	1.83	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.88	0.0	12.0	31.0	43	0.290	0.290	0.290
9/5/2015	0.00	1.58	No	1.58	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	8.3	29.0	37.3	0.290	0.290	0.290
9/6/2015	0.00	1.38	No	1.38	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	8.1	30.0	38.1	0.290	0.290	0.290
9/7/2015	0.00	1.08	No	1.08	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.4	31.0	38.4	0.290	0.290	0.290
9/8/2015	0.00	0.85	No	0.85	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	6.7	32.0	38.7	0.290	0.290	0.290
9/9/2015	0.00	0.72	No	0.72	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	7.4	51.0	58.4	0.290	0.290	0.233
9/10/2015	0.00	0.55	No	0.55	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	6.1	46.0	52.1	0.290	0.290	0.233
9/11/2015	0.00	0.44	No	0.44	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	7.6	43.0	50.6	0.290	0.290	0.233
9/12/2015	0.00	0.37	No	0.37	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	8.1	40.0	48.1	0.290	0.290	0.290
9/13/2015	0.00	0.33	No	0.33	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	8.3	41.0	49.3	0.290	0.290	0.290
9/14/2015	0.00	0.20	No	0.20	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.7	39.0	46.7	0.290	0.290	0.290
9/15/2015	0.00	0.07	No	0.07	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	6.1	39.0	45.1	0.290	0.290	0.290
9/16/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	4.0	35.0	39	0.290	0.290	0.290
9/17/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	6.3	32.0	38.3	0.290	0.290	0.290
9/18/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	6.6	31.0	37.6	0.290	0.290	0.290
9/19/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.2	32.0	39.2	0.290	0.290	0.290
9/20/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	7.0	32.0	39	0.290	0.290	0.290
9/21/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	4.8	31.0	35.8	0.290	0.290	0.290
9/22/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.00	0.0	3.9	32.0	35.9	0.290	0.290	0.290
9/23/2015	19.70	0.00	No	19.70	19.70	18.78	0.07	0.017	0.006	0.049	0.08671	0.00	19.7	3.1	31.0	34.1	0.290	0.290	0.290
9/24/2015	17.90	0.00	No	17.90	17.90	17.06	0.06	0.017	0.006	0.040	0.07512	23.15	17.9	28.0	33.0	61.0	0.290	0.290	0.233
9/25/2015	6.69	0.00	No	6.69	6.69	6.38	0.02	0.017	0.006	0.049	0.08671	21.30	6.7	10.0	31.0	41.0	0.290	0.290	0.290
9/26/2015	4.65	0.00	No	4.65	4.65	4.43	0.02	0.017	0.006	0.049	0.08671	7.86	4.7	8.1	29.0	37.1	0.290	0.290	0.290
9/27/2015	4.28	0.00	No	4.28	4.28	4.08	0.01	0.017	0.006	0.049	0.08671	5.46	4.3	7.1	29.0	36.1	0.290	0.290	0.290
9/28/2015	2.92	0.00	No	2.92	2.92	2.78	0.01	0.017	0.006	0.049	0.08671	5.03	2.9	8.1	29.0	37.1	0.290	0.290	0.290
9/29/2015	1.82	0.00	No	1.82	1.82	1.73	0.01	0.017	0.006	0.049	0.08671	3.43	1.8	7.1	30.0	37.1	0.290	0.290	0.290
9/30/2015	0.96	0.00	No	0.96	0.96	0.92	0.00	0.017	0.006	0.049	0.08671	2.14	1.0	6.4	30.0	36.4	0.290	0.290	0.290
10/1/2015	0.899	0	No	0.90	0.90	0.86	0.00	0.017		0.049		1.13	0.9	7.2	28.0	35.2	0.290		0.290

Red numbers indicate estimated data due to missing or incomplete SatMon data  
Blue numbers indicate revised data based upon hydro adjustments

02CW181 CU factor for Sept =	67.8%	TOTAL AF	123	0	
10CW85 CU factor for Sept =	69.6%	MAX =	1996	98	<<Normally 1996 for 02CW181 and 98 for 10CW85
02CW181 LAWMA SHARES =	3402	Exceeded?	No	No	
10CW85 LAWMA SHARES =	12	Cumulative Annual LAWMA=	8164		
DIVERTED SHARES =	231	Annual Limit LAWMA=	12862		
TOTAL SHARES =	3800	Cumulative Annual Leased=	26		
		Annual Limit Leased=	602		

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
September, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
9/2/2015	2.86	2.74	0.07512	2.53	5.02	3.40	0.25	0.00	3.40
9/3/2015	1.57	1.50	0.08671	1.37	2.72	1.84	0.16	0.00	1.84
9/4/2015	0.75	0.72	0.08671	0.65	1.30	0.88	0.08	0.00	0.88
9/5/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/6/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/7/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/8/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/9/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/10/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/11/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/12/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
9/13/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/14/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/15/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/16/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/17/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/18/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/19/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/20/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/21/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/22/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/23/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
9/24/2015	19.70	18.84	0.08671	3.10	6.15	4.17	19.06	0.00	4.17
9/25/2015	17.90	17.12	0.07512	15.84	31.41	21.30	1.56	0.00	21.30
9/26/2015	6.69	6.40	0.08671	5.84	11.59	7.86	0.67	0.00	7.86
9/27/2015	4.65	4.45	0.08671	4.06	8.06	5.46	0.47	0.00	5.46
9/28/2015	4.28	4.09	0.08671	3.74	7.42	5.03	0.43	0.00	5.03
9/29/2015	2.92	2.79	0.08671	2.55	5.06	3.43	0.29	0.00	3.43
9/30/2015	1.82	1.74	0.08671	1.59	3.15	2.14	0.18	0.00	2.14
10/1/2015	0.96	0.92	0.08671	0.84	1.67	1.13	0.10	0.00	1.13
						56.65	23.23	0.00	56.65
						61.65	23.59	0.00	61.65

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2015**

	1	2	3	4	5	6	6B	7	8	9	10	11	12	13	14	15	16	17	18
Date	Purgatoire @ Highland River Gage	Canal Flume	WD 67 River Call?	Available in Priority No 67 Call	In Stream in Priority	LAWMA's 02CW181 Portion	LAWMA's 10CW85 Portion	trloss#1	trloss#2	trloss#3	LAWMA lossfctr	acre ft	Purg@hgh	Purg@LA	Ark@LA	Arkconfl	factor#1	factor#2	factor#3
10/1/2015	0.90	0.00	No	0.90	0.90	0.86	0.00	0.017	0.006	0.049	0.08671	acre ft	0.9	7.20	28.00	35.2	0.290	0.290	0.290
10/2/2015	1.19	0.00	No	1.19	1.19	1.13	0.00	0.017	0.006	0.049	0.08671	0.55	1.2	6.80	28.00	34.8	0.290	0.290	0.290
10/3/2015	1.15	0.00	No	1.15	1.15	1.10	0.00	0.017	0.006	0.049	0.08671	0.73	1.2	6.80	28.00	34.8	0.290	0.290	0.290
10/4/2015	0.68	0.00	No	0.68	0.68	0.65	0.00	0.017	0.006	0.049	0.08671	0.71	0.7	8.00	27.00	35	0.290	0.290	0.290
10/5/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.049	0.08671	0.42	0.0	14.00	27.00	41	0.290	0.290	0.290
10/6/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	28.00	30.00	58	0.290	0.290	0.233
10/7/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	30.00	33.00	63	0.290	0.290	0.233
10/8/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.040	0.07512	0.00	0.0	35.00	55.00	90	0.290	0.290	0.233
10/9/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	35.00	84.00	119	0.290	0.290	0.188
10/10/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.026	0.05926	0.00	0.0	38.00	130.00	168	0.290	0.290	0.155
10/11/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.026	0.05926	0.00	0.0	38.00	147.00	185	0.290	0.290	0.155
10/12/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.026	0.05926	0.00	0.0	38.00	128.00	166	0.290	0.290	0.155
10/13/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	39.00	105.00	144	0.290	0.290	0.188
10/14/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	37.00	91.00	128	0.290	0.290	0.188
10/15/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	38.00	80.00	118	0.290	0.290	0.188
10/16/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	35.00	69.00	104	0.290	0.290	0.188
10/17/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	35.00	68.00	103	0.290	0.290	0.188
10/18/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	40.00	70.00	110	0.290	0.290	0.188
10/19/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	41.00	67.00	108	0.290	0.290	0.188
10/20/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	42.00	67.00	109	0.290	0.290	0.188
10/21/2015	0.00	0.00	No	0.00	0.00	0.00	0.00	0.017	0.006	0.032	0.06597	0.00	0.0	41.00	73.00	114	0.290	0.290	0.188
10/22/2015	1.86	0.00	No	1.86	1.86	1.77	0.01	0.017	0.006	0.026	0.05926	0.00	1.9	45.00	116.00	161	0.290	0.290	0.155
10/23/2015	162.00	0.00	No	62.50	62.50	59.58	0.21	0.009	0.005	0.021	0.04231	1.18	162.0	55.00	173.00	228	0.155	0.233	0.126
10/24/2015	207.00	0.00	No	62.50	62.50	59.58	0.21	0.008	0.003	0.019	0.03442	40.44	207.0	203.00	141.00	344	0.126	0.126	0.110
10/25/2015	82.30	0.00	No	62.50	62.50	59.58	0.21	0.014	0.004	0.026	0.05273	40.78	82.3	101.00	79.00	180	0.233	0.188	0.155
10/26/2015	60.10	0.00	No	60.10	60.10	57.29	0.20	0.014	0.005	0.026	0.05381	40.00	60.1	86.00	77.00	163	0.233	0.233	0.155
10/27/2015	40.40	0.00	No	40.40	40.40	38.51	0.14	0.017	0.005	0.021	0.052	38.42	40.4	65.00	195.00	260	0.290	0.233	0.126
10/28/2015	29.30	0.00	No	29.30	29.30	27.93	0.10	0.017	0.005	0.021	0.052	25.88	29.3	56.00	187.00	243	0.290	0.233	0.126
10/29/2015	24.00	0.00	No	24.00	24.00	22.88	0.08	0.017	0.006	0.021	0.05337	18.77	24.0	49.00	159.00	208	0.290	0.290	0.126
10/30/2015	18.80	0.00	No	18.80	18.80	17.92	0.06	0.017	0.005	0.021	0.052	15.35	18.8	51.00	192.00	243	0.290	0.233	0.126
10/31/2015	17.80	0.00	No	17.80	17.80	16.97	0.06	0.017	0.005	0.021	0.052	12.04	17.8	55.00	217.00	272	0.290	0.233	0.126
11/1/2015			No					0.017				11.40	0.0				0.290		

Red numbers indicate estimated data due to missing or incomplete SatMon data

Blue numbers indicate revised data based upon hydro adjustments

TOTAL AF	725	3	
MAX =	1142	56	<<Normally 1142 for 02CW181 and 56 for 10CW85
Exceeded?	No	No	
Cumulative Annual LAWMA=	8890		
Annual Limit LAWMA=	12862		
Cumulative Annual Leased=	29		
Annual Limit Leased=	602		

02CW181 CU factor for October =	35.6%
10CW85 CU factor for October =	38.7%
LAWMA SHARES =	3402
LAWMA LEASED SHARES =	12
DIVERTED SHARES =	231
TOTAL SHARES =	3800

**Deliveries from Highland Canal for Consumptive Use credit to Offset Account  
October, 2015**

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)	Bypassed for In-State Replacement	Amount of CU Water to Account (ac-ft)
10/2/2015	0.90	0.86	0.08671	0.79	1.56	0.55	0.05	0.00	0.55
10/3/2015	1.19	1.14	0.08671	1.04	2.06	0.73	0.06	0.00	0.73
10/4/2015	1.15	1.10	0.08671	1.00	1.99	0.71	0.06	0.00	0.71
10/5/2015	0.68	0.65	0.08671	0.59	1.18	0.42	0.04	0.00	0.42
10/6/2015	0.00	0.00	0.08671	0.00	0.00	0.00	0.00	0.00	0.00
10/7/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
10/8/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
10/9/2015	0.00	0.00	0.07512	0.00	0.00	0.00	0.00	0.00	0.00
10/10/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/11/2015	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	0.00	0.00
10/12/2015	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	0.00	0.00
10/13/2015	0.00	0.00	0.05926	0.00	0.00	0.00	0.00	0.00	0.00
10/14/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/15/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/16/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/17/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/18/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/19/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/20/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/21/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/22/2015	0.00	0.00	0.06597	0.00	0.00	0.00	0.00	0.00	0.00
10/23/2015	1.86	1.78	0.05926	1.67	3.32	1.18	0.07	1.18	0.00
10/24/2015	62.50	59.79	0.04231	55.00	109.09	38.85	3.04	38.85	0.00
10/25/2015	62.50	59.79	0.03442	57.73	114.50	40.78	1.31	40.78	0.00
10/26/2015	62.50	59.79	0.05273	56.63	112.33	40.00	2.00	40.00	0.00
10/27/2015	60.10	57.49	0.05381	54.40	107.90	38.42	1.97	38.42	0.00
10/28/2015	40.40	38.65	0.05200	36.64	72.67	25.88	1.28	25.88	0.00
10/29/2015	29.30	28.03	0.05200	26.57	52.70	18.77	0.93	18.77	0.00
10/30/2015	24.00	22.96	0.05337	21.73	43.11	15.35	0.78	15.35	0.00
10/31/2015	18.80	17.98	0.05200	17.05	33.82	12.04	0.59	12.04	0.00
11/1/2015	17.80	17.03	0.05200	16.14	32.02	11.40	0.56	11.40	0.00
						245.09	12.73	242.67	2.42
						234.82	12.27	231.27	3.55

**Deliveries from Highland Canal for Consumptive Use credit  
to the Offset Account or to the River for In-State Replacement  
April to October, 2015**

Highland Accounting			
Month	In-state	Offset	Total
April	0.00	396.02	396.02
May	1017.38	221.80	1239.18
June	1587.66	0.00	1587.66
July	1528.64	0.00	1528.64
August	1014.59	0.00	1014.59
September	61.65	0.00	61.65
October	3.55	231.27	234.82
Total	5213.46	849.09	6062.55



## Enclosure 3

Calculation of Evaporation on Over-Delivery to the Offset Account

	Utilization		Storage Charge		Prefunded Storage Charge				
	inflows	Total	Inflows	charge	Inflows	Storage total	Evap total	Evap prefund	Balance
4/1/2015	161.87	500.00	0.00	0.00	0.00	486.66	0.71		
4/2/2015	117.02	617.02	0.00	0.00	0.00	485.76	0.90	0.00	0.00
4/3/2015	0.00	617.02	0.00	0.00	0.00	485.10	0.66	0.00	0.00
4/4/2015	0.00	617.02	0.00	0.00	0.00	484.44	0.66	0.00	0.00
4/5/2015	0.00	617.02	0.00	0.00	0.00	483.80	0.64	0.00	0.00
4/6/2015	0.00	617.02	0.00	0.00	0.00	482.99	0.81	0.00	0.00
4/7/2015	0.00	617.02	0.00	0.00	0.00	482.02	0.97	0.00	0.00
4/8/2015	0.00	617.02	0.00	0.00	0.00	480.97	1.05	0.00	0.00
4/9/2015	0.00	617.02	0.00	0.00	0.00	480.61	0.36	0.00	0.00
4/10/2015	0.00	617.02	0.00	0.00	0.00	480.10	0.51	0.00	0.00
4/11/2015	0.00	617.02	0.00	0.00	0.00	479.59	0.51	0.00	0.00
4/12/2015	0.00	617.02	0.00	0.00	0.00	479.06	0.53	0.00	0.00
4/13/2015	19.20	636.22	0.00	0.00	0.00	478.29	0.77	0.00	0.00
4/14/2015	10.04	646.26	0.00	0.00	0.00	477.33	0.96	0.00	0.00
4/15/2015	10.04	656.30	0.00	0.00	0.00	476.58	0.75	0.00	0.00
4/16/2015	10.04	666.34	0.00	0.00	0.00	476.42	0.16	0.00	0.00
4/17/2015	10.04	676.38	0.00	0.00	0.00	475.89	0.53	0.00	0.00
4/18/2015	10.04	686.42	0.00	0.00	0.00	475.35	0.54	0.00	0.00
4/19/2015	10.04	696.46	0.00	0.00	0.00	474.79	0.56	0.00	0.00
4/20/2015	10.04	706.50	0.00	0.00	0.00	474.43	0.36	0.00	0.00
4/21/2015	10.04	716.54	0.00	0.00	0.00	473.79	0.64	0.00	0.00
4/22/2015	10.04	726.58	0.00	0.00	0.00	473.19	0.60	0.00	0.00
4/23/2015	10.04	736.62	0.00	0.00	0.00	472.91	0.28	0.00	0.00
4/24/2015	10.04	746.66	0.00	0.00	0.00	472.43	0.48	0.00	0.00
4/25/2015	10.04	756.70	0.00	0.00	0.00	471.95	0.48	0.00	0.00
4/26/2015	10.04	766.74	0.00	0.00	0.00	471.45	0.50	0.00	0.00
4/27/2015	10.04	776.78	0.00	0.00	0.00	471.04	0.41	0.00	0.00
4/28/2015	10.04	786.82	0.00	0.00	0.00	470.53	0.51	0.00	0.00
4/29/2015	10.04	796.86	0.00	0.00	0.00	469.80	0.73	0.00	0.00
4/30/2015	10.04	806.90	0.00	0.00	0.00	469.18	0.62	0.00	0.00
5/1/2015	10.31	817.21	0.00	0.00	0.00	468.66	0.52	0.00	0.00
5/2/2015	10.31	827.52	0.00	0.00	0.00	468.14	0.52	0.00	0.00
5/3/2015	10.31	837.83	0.00	0.00	0.00	467.64	0.50	0.00	0.00
5/4/2015	10.31	848.14	0.00	0.00	0.00	467.39	0.25	0.00	0.00
5/5/2015	10.31	858.45	0.00	0.00	0.00	467.01	0.38	0.00	0.00
5/6/2015	10.31	868.76	0.00	0.00	0.00	466.44	0.57	0.00	0.00
5/7/2015	10.31	879.07	0.00	0.00	0.00	465.79	0.65	0.00	0.00
5/8/2015	10.31	889.38	0.00	0.00	0.00	465.18	0.61	0.00	0.00
5/9/2015	0.00	889.38	0.00	0.00	0.00	464.58	0.60	0.00	0.00
5/10/2015	0.00	889.38	0.00	0.00	0.00	464.00	0.58	0.00	0.00
5/11/2015	0.00	889.38	0.00	0.00	0.00	463.61	0.39	0.00	0.00
5/12/2015	0.00	889.38	0.00	0.00	0.00	462.82	0.79	0.00	0.00
5/13/2015	0.00	889.38	0.00	0.00	0.00	462.78	0.04	0.00	0.00
5/14/2015	0.00	889.38	0.00	0.00	0.00	462.34	0.44	0.00	0.00
5/15/2015	0.00	889.38	0.00	0.00	0.00	461.69	0.65	0.00	0.00
5/16/2015	0.00	889.38	0.00	0.00	0.00	461.06	0.63	0.00	0.00
5/17/2015	0.00	889.38	0.00	0.00	0.00	460.43	0.63	0.00	0.00
5/18/2015	0.00	889.38	0.00	0.00	0.00	459.93	0.50	0.00	0.00
5/19/2015	0.00	889.38	0.00	0.00	0.00	459.43	0.50	0.00	0.00
5/20/2015	0.00	889.38	0.00	0.00	0.00	459.17	0.26	0.00	0.00
5/21/2015	1,017.26	1,906.64	0.00	0.00	0.00	458.96	0.21	0.00	0.00
5/22/2015	844.13	2,750.77	0.00	0.00	0.00	458.52	0.44	0.00	0.00
5/23/2015	0.00	2,750.77	0.00	0.00	0.00	458.09	0.43	0.00	0.00
5/24/2015	935.35	3,686.12	0.00	0.00	0.00	457.67	0.42	0.00	0.00
5/25/2015	0.00	3,686.12	0.00	0.00	0.00	457.27	0.40	0.00	0.00
5/26/2015	0.00	3,686.12	0.00	0.00	0.00	456.89	0.38	0.00	0.00

Reservoir		Highland			delta	total delta	evap on delta
Evap	Balance	inflows	revised inflows				
75.84	52727.33	0					
97.81	52913.33	0	0	0	0	0	
71.84	52988.33	0	0	0	0	0	
71.89	53025.33	0	0	0	0	0	
69.74	53063.33	0	0	0	0	0	
89.35	53025.33	0	0	0	0	0	
106.74	52988.33	0	0	0	0	0	
115.41	52951.33	0	0	0	0	0	
39.16	52839.33	0	0	0	0	0	
56.49	52727.33	0	0	0	0	0	
56.45	52699.29	0	0	0	0	0	
58.59	52640.7	0	0	0	0	0	
84.55	52556.05	0	0	0	0	0	
105.93	52204.11	0	0	0	0	0	
81.76	51797.68	0	0	0	0	0	
17.18	51592.18	0	0	0	0	0	
57.92	51345.95	0	0	0	0	0	
57.79	51099.86	0	0	0	0	0	
59.86	50851.68	0	0	0	0	0	
38.36	50378.11	0	0	0	0	0	
67.84	49951.07	0	0	0	0	0	
63.28	49871.05	0	0	0	0	0	
29.4	49555.84	0	0	0	0	0	
50.22	49097.61	0	0	0	0	0	
50	48662.93	0	0	0	0	0	
51.87	48028.02	0	0	0	0	0	
41.36	47330.9	0	0	0	0	0	
51.52	46623.63	0	0	0	0	0	
71.91	46377.45	0	0	0	0	0	
61.54	46141.63	0	0	0	0	0	
51.28	45932.55	0	0	0	0	0	
51.31	45735.02	0	0	0	0	0	
49.23	45696.09	0	0	0	0	0	
24.58	45681.82	0	0	0	0	0	
36.81	45550.9	0	0	0	0	0	
55.19	45506.02	0	0	0	0	0	
63.45	45572.38	0	0	0	0	0	
59.6	46641.61	0	0	0	0	0	
60.11	48752.34	0	0	0	0	0	
61.04	50847.33	0	0	0	0	0	
43.24	53740.33	0	0	0	0	0	
91.8	56771.33	0	0	0	0	0	
4.63	60421.33	0	0	0	0	0	
57.49	65307.34	0	0	0	0	0	
92	69910.33	0	0	0	0	0	
95.53	74204.33	0	0	0	0	0	
101.27	76899.33	0	0	0	0	0	
84.09	78014.34	0	0	0	0	0	
85.44	80565.33	0	0	0	0	0	
44.97	83020.33	0	0	0	0	0	
37.21	86600.33	0	0	0	0	0	
82.71	93129.33	0	0	0	0	0	
87.97	103445.3	0	0	0	0	0	
94.72	112981.3	0	0	0	0	0	
99.89	121904.3	0	0	0	0	0	
101	132399.3	0	0	0	0	0	

	Utilization		Storage Charge		Prefunded Storage Charge				
	inflows	Total	Inflows	charge	Inflows	Storage total	Evap total	Evap prefund	Balance
5/27/2015	0.00	3,686.12	0.00	0.00	0.00	456.40	0.49	0.00	0.00
5/28/2015	1,372.76	5,058.88	0.00	0.00	0.00	456.18	0.22	0.00	0.00
5/29/2015	82.77	5,141.65	0.00	0.00	0.00	455.82	0.36	0.00	0.00
5/30/2015	82.77	5,224.42	0.00	0.00	0.00	455.49	0.33	0.00	0.00
5/31/2015	82.83	5,307.25	0.00	0.00	0.00	455.16	0.33	0.00	0.00
6/1/2015	82.96	5,390.21	0.00	0.00	0.00	454.77	0.39	0.00	0.00
6/2/2015	92.57	5,482.78	0.00	0.00	0.00	454.10	0.67	0.00	0.00
6/3/2015	92.51	5,575.29	0.00	0.00	0.00	453.89	0.21	0.00	0.00
6/4/2015	92.31	5,667.60	0.00	0.00	0.00	453.60	0.29	0.00	0.00
6/5/2015	165.34	5,832.94	0.00	0.00	0.00	453.22	0.38	0.00	0.00
6/6/2015	269.67	6,102.61	0.00	0.00	0.00	0.00	0.38	0.00	0.00
6/7/2015	269.56	6,372.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/8/2015	269.67	6,641.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/9/2015	269.50	6,911.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/10/2015	195.59	7,106.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/11/2015	92.10	7,199.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/12/2015	92.21	7,291.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/13/2015	93.11	7,384.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/14/2015	92.27	7,476.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/15/2015	91.83	7,568.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/16/2015	92.10	7,660.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/17/2015	92.10	7,752.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/18/2015	92.21	7,844.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/19/2015	92.27	7,937.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/20/2015	34.94	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/21/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/22/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/23/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/24/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/25/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/26/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/27/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/28/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/29/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6/30/2015	0.00	7,972.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/1/2015	33.96	8,006.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/2/2015	29.16	8,035.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/3/2015	26.41	8,061.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/4/2015	56.41	8,118.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/5/2015	35.31	8,153.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/6/2015	23.85	8,177.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/7/2015	33.48	8,210.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/8/2015	29.35	8,240.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/9/2015	56.87	8,296.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/10/2015	95.95	8,392.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/11/2015	95.95	8,488.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/12/2015	95.95	8,584.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/13/2015	70.02	8,654.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/14/2015	62.37	8,717.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/15/2015	87.93	8,805.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/16/2015	54.73	8,859.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/17/2015	39.93	8,899.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/18/2015	36.18	8,935.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/19/2015	35.57	8,971.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/20/2015	70.66	9,042.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7/21/2015	78.50	9,120.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Reservoir		Highland		delta	total delta	evap on delta
Evap	Balance	inflows	revised inflows			
141.99	141058.3	0	0	0	0	0
69.38	148053.3	1372.76	1017.38	355.38	355.38	0.1665
116.18	154599.3	82.77	0	82.77	437.98	0.3291
113.42	161368.3	82.77	0	82.77	520.42	0.3658
116.49	168396.3	82.83	0	82.83	602.89	0.4171
142.87	175358.3	82.96	0	82.96	685.43	0.5584
259.93	182394.3	92.57	88.5	4.07	688.94	0.9818
83.39	187714.3	92.51	88.43	4.08	692.04	0.3074
121.99	190933.3	92.31	88.24	4.07	695.80	0.4446
161	194018.3	92.31	88.24	4.07	699.43	0.5804
162.43	196641.3	92.27	88.21	4.06	702.91	0.5806
163.92	199533.3	92.16	88.11	4.05	706.38	0.5803
117.04	203297.3	92.27	88.21	4.06	709.86	0.4087
232.26	207363.3	92.1	88.04	4.06	713.51	0.7992
145.25	211826.3	92.1	88.04	4.06	716.77	0.4915
289.23	216436.3	92.1	88.04	4.06	720.34	0.9626
97.96	222626.3	92.21	88.15	4.06	723.44	0.3183
94.64	228752.3	93.11	89.01	4.1	727.22	0.3009
96.3	236546.3	92.27	88.21	4.06	730.98	0.2976
146.09	242666.3	91.83	87.79	4.04	734.72	0.4423
212.25	247048.3	92.1	88.04	4.06	738.34	0.6343
141.97	251259.3	92.1	88.04	4.06	741.76	0.4191
213.87	256156.3	92.21	88.15	4.06	745.40	0.6224
265.99	261296.3	92.27	88.21	4.06	748.84	0.7623
270.33	265548.3	34.94	0	34.94	783.02	0.7971
280.8	269482.3	0	0	0	782.22	0.8151
320.72	273477.3	0	0	0	781.41	0.9164
296.3	277736.3	0	0	0	780.49	0.8327
270.2	281850.3	0	0	0	779.66	0.7474
346.12	286224.3	0	0	0	778.91	0.9419
221.22	290549.3	0	0	0	777.97	0.5923
223.65	293634.3	0	0	0	777.38	0.5921
219.1	295780.3	0	0	0	776.78	0.5754
119.57	297503.3	0	0	0	776.21	0.312
221.1	298907.3	0	0	0	775.90	0.5739
215.52	300645.3	33.96	32.46	1.5	776.82	0.5569
267.04	301951.3	29.16	27.87	1.29	777.56	0.6877
267.81	303810.3	26.41	25.25	1.16	778.03	0.6858
275.26	306553.3	56.41	53.92	2.49	779.83	0.7002
276.33	308535.3	35.31	33.76	1.55	780.68	0.6992
96.75	311079.3	23.85	22.8	1.05	781.03	0.2429
252.5	313077.3	33.48	32	1.48	782.27	0.6309
142.9	314861.3	29.35	28.06	1.29	782.93	0.3553
182.57	317432.3	56.87	54.36	2.51	785.08	0.4515
340.79	320467.3	95.95	91.71	4.24	788.87	0.8389
335.59	321707.3	95.95	91.71	4.24	792.27	0.8265
342.81	322386.3	95.95	91.71	4.24	795.69	0.8461
330.24	323630.3	70.02	66.93	3.09	797.93	0.8142
364.05	324652.3	62.37	59.62	2.75	799.87	0.8969
178.83	324311.3	87.93	87.87	0.06	799.03	0.4406
257.87	322839.3	54.73	52.31	2.42	801.01	0.6398
290.07	321255.3	39.93	38.17	1.76	802.13	0.7243
289.1	319340.3	36.18	34.58	1.6	803.00	0.727
288.15	317769.3	35.57	34.01	1.56	803.84	0.7289
228.43	315640.3	70.66	68.59	2.07	805.18	0.5827
214.64	313856.3	78.5	75.04	3.46	808.06	0.5526

	Utilization		Storage Charge		Prefunded Storage Charge					
	inflows	Total	Inflows	charge	Inflows	Storage total	Evap total	Evap prefund	Balance	
7/22/2015	61.77	9,182.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/23/2015	89.25	9,271.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/24/2015	90.71	9,362.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/25/2015	87.06	9,449.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/26/2015	27.76	9,477.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/27/2015	18.80	9,495.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/28/2015	15.72	9,511.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/29/2015	22.98	9,534.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/30/2015	10.18	9,544.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7/31/2015	21.35	9,566.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/1/2015	28.32	9,594.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/2/2015	26.81	9,621.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/3/2015	58.22	9,679.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/4/2015	36.65	9,716.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/5/2015	32.96	9,749.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/6/2015	19.56	9,768.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/7/2015	15.56	9,784.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/8/2015	36.00	9,820.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/9/2015	18.81	9,839.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/10/2015	11.24	9,850.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/11/2015	75.43	9,925.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/12/2015	67.06	9,992.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8/13/2015	25.73	10,018.54	0.00	0.93	(0.93)	0.00	0.00	0.00	(0.93)	
8/14/2015	46.45	10,064.99	0.00	2.32	(2.32)	0.00	0.00	0.00	(3.25)	
8/15/2015	65.67	10,130.66	0.00	3.28	(3.28)	0.00	0.00	0.00	(6.53)	
8/16/2015	66.72	10,197.38	0.00	3.34	(3.34)	0.00	0.00	0.00	(9.87)	
8/17/2015	76.89	10,274.27	0.00	3.84	(3.84)	0.00	0.00	0.00	(13.71)	
8/18/2015	74.57	10,348.84	0.00	3.73	(3.73)	0.00	0.00	0.00	(17.44)	
8/19/2015	84.41	10,433.25	0.00	4.22	(4.22)	0.00	0.00	0.00	(21.66)	
8/20/2015	22.52	10,455.77	0.00	1.13	(1.13)	0.00	0.00	0.00	(22.79)	
8/21/2015	43.12	10,498.89	0.00	2.16	(2.16)	0.00	0.00	0.00	(24.94)	
8/22/2015	27.58	10,526.47	0.00	1.38	(1.38)	0.00	0.00	0.00	(26.32)	
8/23/2015	15.62	10,542.09	0.00	0.78	(0.78)	0.00	0.00	0.00	(27.10)	
8/24/2015	10.29	10,552.38	0.00	0.51	(0.51)	0.00	0.00	0.00	(27.62)	
8/25/2015	10.67	10,563.05	0.00	0.53	(0.53)	0.00	0.00	0.00	(28.15)	
8/26/2015	8.53	10,571.58	0.00	0.43	(0.43)	0.00	0.00	0.00	(28.58)	
8/27/2015	7.08	10,578.66	0.00	0.35	(0.35)	0.00	0.00	0.00	(28.93)	
8/28/2015	7.38	10,586.04	0.00	0.37	(0.37)	0.00	0.00	0.00	(29.30)	
8/29/2015	15.26	10,601.30	0.00	0.76	(0.76)	0.00	0.00	0.00	(30.07)	
8/30/2015	11.05	10,612.35	0.00	0.55	(0.55)	0.00	0.00	0.00	(30.62)	
8/31/2015	7.08	10,619.43	0.00	0.35	(0.35)	0.00	0.00	0.00	(30.97)	
9/1/2015	6.41	10,625.84	0.00	0.32	(0.32)	0.00	0.00	0.00	(31.29)	
9/2/2015	3.56	10,629.40	0.00	0.18	(0.18)	0.00	0.00	0.00	(31.47)	
9/3/2015	1.93	10,631.33	0.00	0.10	(0.10)	0.00	0.00	0.00	(31.57)	
9/4/2015	0.92	10,632.25	0.00	0.05	(0.05)	0.00	0.00	0.00	(31.61)	
9/5/2015	0.26	10,632.51	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.63)	
9/6/2015	0.15	10,632.66	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.63)	
9/7/2015	0.13	10,632.79	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.64)	
9/8/2015	0.14	10,632.93	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.65)	
9/9/2015	0.16	10,633.09	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.65)	
9/10/2015	0.12	10,633.21	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.66)	
9/11/2015	0.14	10,633.35	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.67)	
9/12/2015	0.16	10,633.51	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.68)	
9/13/2015	0.15	10,633.66	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.68)	
9/14/2015	0.14	10,633.80	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.69)	
9/15/2015	0.14	10,633.94	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.70)	

Reservoir		Highland		delta	total delta	evap on delta
Evap	Balance	inflows	revised inflows			
194.42	311412.3	61.77	59.05	2.72	810.22	0.5058
290.54	309420.3	89.25	85.31	3.94	813.66	0.764
295.94	307101.3	90.71	86.71	4	816.89	0.7872
294.83	304794.3	87.06	83.22	3.84	819.95	0.7931
293.7	302497.3	27.76	26.53	1.23	820.38	0.7965
362.36	299993.3	18.8	17.97	0.83	820.42	0.991
417.42	297503.3	15.72	15.02	0.7	820.13	1.1507
238.86	294921.3	22.98	21.97	1.01	819.99	0.6641
187.26	292462.3	10.18	9.73	0.45	819.77	0.5249
272.61	289912.3	21.35	20.41	0.94	820.19	0.7712
276.86	287801.3	28.32	27.07	1.25	820.67	0.7895
275.09	285386.3	26.81	25.63	1.18	821.06	0.7914
206.96	284656.3	58.22	55.66	2.56	822.82	0.5982
205.78	282038	36.65	35.03	1.62	823.85	0.6011
240.74	279479.3	32.96	31.51	1.45	824.69	0.7104
263.21	277329.3	19.56	18.69	0.87	824.85	0.7829
219.93	275396.3	15.56	14.87	0.69	824.76	0.6587
224.14	273074.3	36	34.41	1.59	825.69	0.6777
222.19	271072.3	18.81	17.99	0.82	825.84	0.6769
225.96	268887.3	11.24	10.75	0.49	825.65	0.6937
160.76	267016.3	75.43	72.11	3.32	828.27	0.4987
245.04	265548.3	67.06	64.11	2.95	830.73	0.7666
221.33	265158.3	25.73	24.6	1.13	831.09	0.6937
237.56	263995.3	46.45	46.42	0.03	830.43	0.7473
236.6	263220.3	65.67	65.16	0.51	830.19	0.7462
235.73	262161.3	66.72	63.78	2.94	832.38	0.7485
190.98	263607.3	76.89	76.84	0.05	831.68	0.6025
203	264092.3	74.57	71.28	3.29	834.37	0.6414
146.72	263995.3	84.41	80.69	3.72	837.45	0.4654
169.2	263801.3	22.52	21.53	0.99	837.97	0.5375
208.52	263607.3	43.12	41.22	1.9	839.34	0.6639
208.27	263220.3	27.58	26.36	1.22	839.89	0.6646
202.12	262354.3	15.62	14.93	0.69	839.92	0.6471
162.32	261680.3	10.29	9.84	0.45	839.72	0.5209
173.08	261008.3	10.67	10.2	0.47	839.67	0.5568
300.78	260338.3	8.53	8.15	0.38	839.49	0.9699
244.44	259480.3	7.08	6.77	0.31	838.83	0.7902
188.38	258622.3	7.38	7.05	0.33	838.37	0.6107
187.92	257768.3	15.26	14.59	0.67	838.43	0.6112
198.53	256914.3	11.05	10.56	0.49	838.31	0.6478
247.73	256250.3	7.08	6.77	0.31	837.97	0.8101
247.37	255401.3	6.41	6.13	0.28	837.44	0.8111
208.59	254551.3	3.56	3.4	0.16	836.79	0.6857
257.68	253608.3	1.93	1.84	0.09	836.20	0.8496
251.91	252575.3	0.92	0.88	0.04	835.39	0.8332
251.67	251635.3	0.26	0	0.26	834.81	0.8349
251.47	250511.3	0.15	0	0.15	834.13	0.8373
245.87	249761.3	0.13	0	0.13	833.42	0.8204
229.34	248637.3	0.14	0	0.14	832.74	0.7681
229.2	247703.3	0.16	0	0.16	832.13	0.77
250.86	246675.3	0.12	0	0.12	831.48	0.8456
207.07	245556.3	0.14	0	0.14	830.78	0.7006
206.89	244622.3	0.16	0	0.16	830.24	0.7022
212.14	243505.3	0.15	0	0.15	829.68	0.7228
271.67	242387.3	0.14	0	0.14	829.10	0.9293
146.51	241179.3	0.14	0	0.14	828.31	0.5032

	Utilization		Storage Charge		Prefunded Storage Charge				
	inflows	Total	Inflows	charge	Inflows	Storage total	Evap total	Evap prefund	Balance
9/16/2015	0.14	10,634.08	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.70)
9/17/2015	0.15	10,634.23	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.71)
9/18/2015	0.15	10,634.38	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.72)
9/19/2015	0.06	10,634.44	0.00	0.00	(0.00)	0.00	0.00	0.00	(31.72)
9/20/2015	0.09	10,634.53	0.00	0.00	(0.00)	0.00	0.00	0.00	(31.73)
9/21/2015	0.11	10,634.64	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.73)
9/22/2015	0.10	10,634.74	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.74)
9/23/2015	0.12	10,634.86	0.00	0.01	(0.01)	0.00	0.00	0.00	(31.74)
9/24/2015	4.17	10,639.03	0.00	0.21	(0.21)	0.00	0.00	0.00	(31.95)
9/25/2015	22.29	10,661.32	0.00	1.11	(1.11)	0.00	0.00	0.00	(33.07)
9/26/2015	8.23	10,669.55	0.00	0.41	(0.41)	0.00	0.00	0.00	(33.48)
9/27/2015	5.72	10,675.27	0.00	0.29	(0.29)	0.00	0.00	0.00	(33.76)
9/28/2015	5.26	10,680.53	0.00	0.26	(0.26)	0.00	0.00	0.00	(34.03)
9/29/2015	3.59	10,684.12	0.00	0.18	(0.18)	0.00	0.00	0.00	(34.21)
9/30/2015	2.24	10,686.36	0.00	0.11	(0.11)	0.00	0.00	0.00	(34.32)
10/1/2015	1.18	10,687.54	0.00	0.06	(0.06)	0.00	0.00	0.00	(34.38)
10/2/2015	0.58	10,688.12	0.00	0.03	(0.03)	0.00	0.00	0.00	(34.41)
10/3/2015	0.77	10,688.89	0.00	0.04	(0.04)	0.00	0.00	0.00	(34.44)
10/4/2015	0.74	10,689.63	0.00	0.04	(0.04)	0.00	0.00	0.00	(34.48)
10/5/2015	0.44	10,690.07	0.00	0.02	(0.02)	0.00	0.00	0.00	(34.50)
10/6/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/7/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/8/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/9/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/10/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/11/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/12/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/13/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/14/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/15/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/16/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/17/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/18/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/19/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/20/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/21/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/22/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/23/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/24/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/25/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/26/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/27/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/28/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/29/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/30/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)
10/31/2015	0.00	10,690.07	0.00	0.00	0.00	0.00	0.00	0.00	(34.50)

Reservoir		Highland					
Evap	Balance	inflows	revised inflows	delta	total delta	evap on delta	
146.3	239971.3	0.14	0	0.14	827.95	0.5048	
297.54	238581.3	0.15	0	0.15	827.59	1.0321	
210.64	237469.3	0.15	0	0.15	826.71	0.7333	
215.69	236177.3	0.06	0	0.06	826.04	0.7544	
215.32	235069.3	0.09	0	0.09	825.37	0.756	
236.47	234057.3	0.11	0	0.11	824.73	0.8332	
278.95	232862.3	0.1	0	0.1	824.00	0.9871	
144.63	232494.3	0.12	0	0.12	823.13	0.5121	
203.29	231488.3	4.17	4.17	0	822.62	0.7224	
154.19	230573.3	22.29	21.3	0.99	822.88	0.5503	
154.52	229663.3	8.23	7.86	0.37	822.70	0.5535	
154.19	228843.3	5.72	5.46	0.26	822.41	0.5541	
175.05	227934.3	5.26	5.03	0.23	822.09	0.6313	
105.8	226939.3	3.59	3.43	0.16	821.61	0.383	
116.02	225945.3	2.24	2.14	0.1	821.33	0.4217	
194.47	224866.3	1.18	1.13	0.05	820.96	0.71	
156.7	223788.3	0.58	0.55	0.03	820.28	0.5744	
156.7	222874.3	0.77	0.73	0.04	819.75	0.5764	
160.66	221821.5	0.74	0.71	0.03	819.20	0.5933	
47.6	220815.4	0.44	0.42	0.02	818.63	0.1765	
113.06	219741.7	0	0	0	818.45	0.4211	
51.57	219068.7	0	0	0	818.03	0.1926	
194.38	218075.5	0	0	0	817.84	0.729	
138.85	217326.8	0	0	0	817.11	0.522	
138.85	216640	0	0	0	816.58	0.5234	
136.86	215949.3	0	0	0	816.06	0.5172	
136.86	215260	0	0	0	815.54	0.5185	
126.94	214683.5	0	0	0	815.03	0.4819	
168.6	214076.2	0	0	0	814.54	0.6415	
188.43	213244.8	0	0	0	813.90	0.7192	
162.65	212271.6	0	0	0	813.18	0.6231	
160.66	211577.3	0	0	0	812.56	0.617	
156.7	210816.4	0	0	0	811.94	0.6035	
206.28	210093.5	0	0	0	811.34	0.7966	
85.29	209295.8	0	0	0	810.54	0.3303	
89.26	208471.7	0	0	0	810.21	0.3469	
59.51	208294	0	0	0	809.87	0.2314	
105.13	208189.2	0	0	0	809.63	0.4088	
109.09	207921.9	0	0	0	809.23	0.4246	
109.09	207569.5	0	0	0	808.80	0.4251	
65.46	207232.4	0	0	0	808.38	0.2553	
109.09	206847.7	0	0	0	808.12	0.4262	
69.42	206666.1	0	0	0	807.69	0.2713	
119.01	206499.1	0	0	0	807.42	0.4653	
93.22	206352.8	0	0	0	806.96	0.3645	
64.42	206236.7	0	0	0	806.59	0.2519	

## **SECTION 4**



## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor  
Mike King  
Executive Director  
Dick Wolfe, P.E.  
Director/State Engineer  
Steven J. Witte, P.E.  
Division Engineer

March 2, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for November 2014

Dear Mr. Barfield and Ms. Gonzales:

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, 2014.

Table 1 shows the amount of pumping during the month of November 2014 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions to senior surface water rights in Colorado.

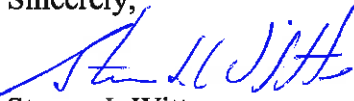
These stream depletions were computed using the wellhead depletions shown in Table 2 with the Ground Water Accounting Model. Please note that in Reaches 11, 12, and 13, replacements to senior surface water rights in Colorado replaced 0% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during all 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 during all 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 of November 30, 2014, a total of 1074.92 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of November 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico



**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**November 2014**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	135.06	52.09
2	BOOTH ORCHARD	1.67	1.38
3	EXCELSIOR	0.06	0.03
4	COLLIER	0.00	0.00
5	COLORADO	5.35	2.67
6	ROCKY FORD HIGHLINE	25.43	9.29
7	OXFORD	1.45	1.16
8	OTERO	0.00	0.00
9	CATLIN	13.77	10.41
10	FORT LYON US	14.42	5.78
11	ROCKY FORD	2.58	2.46
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	28.51	11.12
16	KEESEE	0.00	0.00
17	AMITY	1.23	0.80
18	LAMAR/MANVEL	6.67	3.37
19	HYDE	30.06	10.97
20	FORT LYON DS	119.31	45.53
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.21	0.08
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	11.53	8.64
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	397.31	165.78

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**November 2014**

	USER NUMBER														Total
	10	15	16	17	18	19	20	21	22	23	24	21	18	21	Sum
	0.00	0.02	0.00	7.82	15.32	7.30	124.22	0.00	0.08	0.00	12.45	0.00	0.00	0.00	167.21

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**November 2014**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
Balance Forward from Apr 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	12.94	25.37	97.42	80.52	43.63	69.51	131.11	216.71	6.70	683.90	
Depletion to Usable SL Flow	4.51	8.86	34.00	28.10	15.23	24.26	45.76	75.63	2.34	238.68	
Replacements	Carry Forward Credit										
FRY-ARK Return Flows	0.00	2.82	6.70	3.72						18.45	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00			0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00							0.00		0.00	0.00
LAWMA-XY Direct Flow	232.07				232.07					232.07	0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	0.00
Offset Account Release Credit*	58325.15								0.00	0.00	57771.07
Offset Account Transit Loss	0.00									0.00	0.00
Offset Account Water	0.00									0.00	0.00
Total Replacements	0.00	2.82	6.70	3.72	232.07	0.00	0.00	0.00	0.00	250.52	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 554.08 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

**Enclosure 1**

**John Martin Offset Accounting for November 2014**

**Table 1**  
**Pumping By Rule 3 Irrigation Wells**  
**November, 2014**

<b>USER NO.</b>	<b>DITCHNAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPLETION</b>
1	BESSEMER	135.06	52.09
2	BOOTH ORCHARD	1.67	1.38
3	EXCELSIOR	0.06	0.03
4	COLLIER	0.00	0.00
5	COLORADO	5.35	2.67
6	ROCKY FORD HIGHLINE	25.43	9.29
7	OXFORD	1.45	1.16
8	OTERO	0.00	0.00
9	CATLIN	13.77	10.41
10	FORT LYON US	14.42	5.78
11	ROCKY FORD	2.58	2.46
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	0.00	0.00
15	FORT BENT	28.51	11.12
17	AMITY	1.23	0.80
18	LAMAR/MANVEL	6.67	3.37
19	HYDE	30.06	10.97
20	FORT LYON DS	119.31	45.53
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.21	0.08
24	STATELINE SOLE SOURCE	11.53	8.64
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
<b>TOTAL:</b>		<b>397.31</b>	<b>165.78</b>



## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

March 2, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for December 2014

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Table 1 shows the amount of pumping during the month of December 2014 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all 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 during all 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, which were made during the month.

As of December 31, 2014, a total of 1059.99 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of December 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**December 2014**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	33.93	12.95
2	BOOTH ORCHARD	0.49	0.41
3	EXCELSIOR	3.90	2.74
4	COLLIER	0.00	0.00
5	COLORADO	0.09	0.09
6	ROCKY FORD HIGHLINE	0.00	0.00
7	OXFORD	8.08	2.93
8	OTERO	0.00	0.00
9	CATLIN	0.63	0.26
10	FORT LYON US	0.62	0.39
11	ROCKY FORD	0.00	0.00
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	173.47	142.26
15	FORT BENT	0.00	0.00
16	KEESEE	0.00	0.00
17	AMITY	0.00	0.00
18	LAMAR/MANVEL	0.01	0.01
19	HYDE	0.00	0.00
20	FORT LYON DS	76.85	28.05
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.19	0.07
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	76.52	57.38
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	<b>Totals</b>	<b>374.78</b>	<b>247.54</b>

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**December 2014**

		USER NUMBER												Total	
10	15	16	17	18	19	20	21	22	23	24	21	18	21	24	Total
0.00	0.10	0.00	5.06	4.19	0.00	0.42	0.00	0.08	0.00	0.75	0.00	0.00	0.00	0.75	10.60

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**December 2014**

REACH NUMBER	11	12	13	14	15	16	17	18	21	Sum	Credit to Next Month
Balance Forward from Apr 2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Remaining Depletion	12.12	23.58	87.58	74.07	39.91	65.23	117.67	178.93	7.02	606.10	
Depletion to Usable SL Flow	4.23	8.23	30.56	25.85	13.93	22.76	41.07	62.45	2.45	211.53	
Carry Forward Credit											
FRY-ARK Return Flows	0.00	2.73	6.13	3.33						16.43	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00			0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00			0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00							0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00				0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00				0.00					0.00	0.00
Offset Account Release Credit*	57771.07								195.10	195.10	57111.87
Offset Account Transit Loss	0.00									0.00	0.00
Offset Account Water	0.00									0.00	0.00
Total Replacements	0.00	2.73	6.13	3.33	0.00	0.00	0.00	0.00	195.10	211.53	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 464.10 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.



**Enclosure 1**

**John Martin Offset Accounting for December 2014**

**Table 1**  
**Pumping By Rule 3 Irrigation Wells**  
**December, 2014**

<b>USER NO.</b>	<b>DITCHNAME</b>	<b>AF PUMPED</b>	<b>WELLHEAD DEPLETION</b>
1	BESSEMER	33.93	12.95
2	BOOTH ORCHARD	0.49	0.41
3	EXCELSIOR	3.90	2.74
4	COLLIER	0.00	0.00
5	COLORADO	0.09	0.09
6	ROCKY FORD HIGHLINE	0.00	0.00
7	OXFORD	8.08	2.93
8.	OTERO	0.00	0.00
9	CATLIN	0.63	0.26
10	FORT LYON US	0.62	0.39
11	ROCKY FORD	0.00	0.00
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	173.47	142.26
15	FORT BENT	0.00	0.00
17	AMITY	0.00	0.00
18	LAMAR/MANVEL	0.01	0.01
19	HYDE	0.00	0.00
20	FORT LYON DS	76.85	28.05
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.19	0.07
24	STATELINE SOLE SOURCE	76.52	57.38
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
<b>TOTAL:</b>		<b>374.78</b>	<b>247.54</b>



## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

May 1, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for January 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of January 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all 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 during all of the days in January.

Mr. David Barfield and Ms. Stephanie Gonzales  
May 1, 2015

Page 2

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As of February 28, 2015, a total of 1039.93 acre-feet was 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**January 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	2.33	1.01
2	BOOTH ORCHARD	0.46	0.38
3	EXCELSIOR	0.00	0.00
4	COLLIER	0.00	0.00
5	COLORADO	0.00	0.00
6	ROCKY FORD HIGHLINE	0.00	0.00
7	OXFORD	0.19	0.06
8	OTERO	0.00	0.00
9	CATLIN	0.04	0.01
10	FORT LYON US	12.55	7.20
11	ROCKY FORD	0.00	0.00
12	HOLBROOK	2.70	1.35
13	LAS ANIMAS CONSOLIDATED	552.57	276.28
14	BALDWIN-STUBBS	59.73	59.73
15	FORT BENT	0.09	0.05
16	KEESEEE	0.00	0.00
17	AMITY	0.00	0.00
18	LAMAR/MANVEL	7.88	9.82
19	HYDE	0.00	0.00
20	FORT LYON DS	79.67	29.09
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.24	0.09
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	0.00	0.00
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	718.45	385.07

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**January 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.00	0.07	0.00	0.00	0.00	0.00	0.09	0.00	0.08	0.00	7.86	8.10

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**January 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from Dec. 2014		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		10.66	20.41	78.19	65.63	34.56	60.48	109.98	156.17	6.52	542.60	
Depletion to Usable SL Flow		3.72	7.12	27.29	22.91	12.06	21.11	38.38	54.50	2.28	189.37	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	2.22	1.26	2.74	1.49						7.72	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00					0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	39448.83									181.60	181.60	39448.83
Offset Account Transit Loss	0.00										0.00	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	2.22	1.26	2.74	1.49	0.00	0.00	0.00	0.00	181.60	189.32	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 358.57 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement. Numbers were updated based on Colorado's preliminary H-I Model results.

Enclosure 1

John Martin Offset Accounting for January 2015









## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

May 1, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for February 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of February 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all 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 during all of the days in February.

Mr. David Barfield and Ms. Stephanie Gonzales  
May 1, 2015

Page 2

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

As of January 31, 2015, a total of 1059.34 acre-feet was 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: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**February 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	19.94	8.58
2	BOOTH ORCHARD	0.37	0.33
3	EXCELSIOR	7.84	6.42
4	COLLIER	0.00	0.00
5	COLORADO	0.16	0.08
6	ROCKY FORD HIGHLINE	0.00	0.00
7	OXFORD	5.60	5.55
8	OTERO	0.09	0.05
9	CATLIN	0.02	0.01
10	FORT LYON US	26.10	14.78
11	ROCKY FORD	0.00	0.00
12	HOLBROOK	0.00	0.00
13	LAS ANIMAS CONSOLIDATED	0.00	0.00
14	BALDWIN-STUBBS	15.86	15.15
15	FORT BENT	55.97	27.09
16	KEESEEE	0.00	0.00
17	AMITY	398.71	257.13
18	LAMAR/MANVEL	7.35	5.51
19	HYDE	0.00	0.00
20	FORT LYON DS	295.72	169.58
21	XY GRAHAM	0.00	0.00
22	BUFFALO	0.19	0.07
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	50.30	37.73
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	884.22	548.06

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**February 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.00	0.01	0.00	9.14	36.25	0.00	6.56	0.00	0.10	0.00	84.10	136.16

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**February 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from Jan. 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		9.81	18.75	72.34	60.56	30.60	56.56	103.83	151.69	5.56	509.69	
Depletion to Usable SL Flow		3.42	6.54	25.24	21.14	10.68	19.74	36.24	52.94	1.94	177.88	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	1.84	1.43	2.98	1.59						7.83	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00					0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38974.91									170.12	170.12	38974.91
Offset Account Transit Loss	0.00										0.00	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	2.22	1.26	2.74	1.49	0.00	0.00	0.00	0.00	170.12	177.84	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 303.75 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement. . Numbers were updated based on Colorado's preliminary H-I Model results.

Enclosure 1

John Martin Offset Accounting for February 2015



## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

August 26, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for March 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of March 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during 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 during 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, which were made during the month.

The Lower Arkansas Water Management Association (LAWMA), through an agreement with Colorado Springs Utilities, released 2000 acre-feet of fully consumable water to the Offset Account, (Arkansas River Basin water derived from Colorado Canal shares). This water was released from Pueblo Reservoir beginning on March 20, 2015 and reached John Martin Reservoir beginning on March 23, 2015 netting 1,223.96 acre-feet by March 31, 2015.

As of March 31, 2015, a total of 2226.46 acre-feet was 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,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is written in a cursive, flowing style.

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico



**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**March 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	736.60	323.56
2	BOOTH ORCHARD	15.00	9.18
3	EXCELSIOR	97.81	54.11
4	COLLIER	33.93	12.38
5	COLORADO	352.94	179.54
6	ROCKY FORD HIGHLINE	272.20	101.16
7	OXFORD	164.74	66.62
8	OTERO	38.78	14.19
9	CATLIN	861.95	437.42
10	FORT LYON US	733.92	309.15
11	ROCKY FORD	71.96	59.28
12	HOLBROOK	107.66	51.66
13	LAS ANIMAS CONSOLIDATED	64.45	32.44
14	BALDWIN-STUBBS	90.22	60.33
15	FORT BENT	251.01	153.70
16	KEESEEE	0.00	0.00
17	AMITY	2545.25	1346.14
18	LAMAR/MANVEL	928.70	606.75
19	HYDE	6.99	4.02
20	FORT LYON DS	1807.68	925.07
21	XY GRAHAM	873.36	593.02
22	BUFFALO	5.62	2.78
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	935.53	689.65
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	10996.30	6032.15

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**March 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
12.15	115.19	0.00	1076.74	486.50	0.00	709.60	83.39	9.19	0.00	908.97	3401.73

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**March 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from Feb. 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		14.64	29.71	133.97	87.83	40.61	62.05	127.38	295.59	1.98	793.78	
Depletion to Usable SL Flow		5.11	10.37	46.75	30.65	14.17	21.66	44.46	103.16	0.69	277.03	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	1.29	1.12	2.36	1.25						6.02	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00					0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38974.91									271.01	271.01	38362.61
Offset Account Transit Loss	0.00										0.00	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	1.29	1.12	2.36	1.25	0.00	0.00	0.00	0.00	271.01	277.03	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 341.29 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for March 2015

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
						1039.93							0.00							0.00
1	0.00	0.00	0.00	0.00	1.10	1038.83	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	1.10	1037.73	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	1.09	1036.64	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	1.08	1035.56	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	1.07	1034.49	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	1.07	1033.42	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.06	1032.36	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	1.05	1031.31	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.04	1030.27	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	1.03	1029.24	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	1.01	1028.23	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.99	1027.24	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.99	1026.25	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.97	1025.28	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.95	1024.33	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.94	1023.39	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.93	1022.46	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.93	1021.53	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.93	1020.60	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.93	1019.67	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.96	1018.71	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.96	1017.75	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	32.18	0.00	0.00	0.00	1.26	1048.67	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	137.59	0.00	0.00	0.00	1.56	1184.70	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	163.39	0.00	0.00	0.00	0.46	1347.63	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	129.22	0.00	0.00	0.00	0.85	1476.00	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	172.26	0.00	0.00	0.00	1.99	1646.27	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	165.58	0.00	0.00	0.00	2.14	1809.71	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	117.95	0.00	0.00	0.00	2.34	1925.32	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	149.43	0.00	0.00	0.00	1.21	2073.54	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	156.36	0.00	0.00	0.00	3.44	2226.46	31	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
1223.96	0.00	0.00	0.00	0.00	37.43		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	

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
						1039.93							536.95							502.98
1	0.00	0.00	0.00	0.00	1.10	1038.83	1	0.00	0.00	0.00	0.00	0.57	536.38	1	0.00	0.00	0.00	0.00	0.53	502.45
2	0.00	0.00	0.00	0.00	1.10	1037.73	2	0.00	0.00	0.00	0.00	0.57	535.81	2	0.00	0.00	0.00	0.00	0.53	501.92
3	0.00	0.00	0.00	0.00	1.09	1036.64	3	0.00	0.00	0.00	0.00	0.56	535.25	3	0.00	0.00	0.00	0.00	0.53	501.39
4	0.00	0.00	0.00	0.00	1.08	1035.56	4	0.00	0.00	0.00	0.00	0.56	534.69	4	0.00	0.00	0.00	0.00	0.52	500.87
5	0.00	0.00	0.00	0.00	1.07	1034.49	5	0.00	0.00	0.00	0.00	0.55	534.14	5	0.00	0.00	0.00	0.00	0.52	500.35
6	0.00	0.00	0.00	0.00	1.07	1033.42	6	0.00	0.00	0.00	0.00	0.55	533.59	6	0.00	0.00	0.00	0.00	0.52	499.83
7	0.00	0.00	0.00	0.00	1.06	1032.36	7	0.00	0.00	0.00	0.00	0.55	533.04	7	0.00	0.00	0.00	0.00	0.51	499.32
8	0.00	0.00	0.00	0.00	1.05	1031.31	8	0.00	0.00	0.00	0.00	0.54	532.50	8	0.00	0.00	0.00	0.00	0.51	498.81
9	0.00	0.00	0.00	0.00	1.04	1030.27	9	0.00	0.00	0.00	0.00	0.54	531.96	9	0.00	0.00	0.00	0.00	0.50	498.31
10	0.00	0.00	0.00	0.00	1.03	1029.24	10	0.00	0.00	0.00	0.00	0.53	531.43	10	0.00	0.00	0.00	0.00	0.50	497.81
11	0.00	0.00	0.00	0.00	1.01	1028.23	11	0.00	0.00	0.00	0.00	0.52	530.91	11	0.00	0.00	0.00	0.00	0.49	497.32
12	0.00	0.00	0.00	0.00	0.99	1027.24	12	0.00	0.00	0.00	0.00	0.51	530.40	12	0.00	0.00	0.00	0.00	0.48	496.84
13	0.00	0.00	0.00	0.00	0.99	1026.25	13	0.00	0.00	0.00	0.00	0.51	529.89	13	0.00	0.00	0.00	0.00	0.48	496.36
14	0.00	0.00	0.00	0.00	0.97	1025.28	14	0.00	0.00	0.00	0.00	0.50	529.39	14	0.00	0.00	0.00	0.00	0.47	495.89
15	0.00	0.00	0.00	0.00	0.95	1024.33	15	0.00	0.00	0.00	0.00	0.49	528.90	15	0.00	0.00	0.00	0.00	0.46	495.43
16	0.00	0.00	0.00	0.00	0.94	1023.39	16	0.00	0.00	0.00	0.00	0.49	528.41	16	0.00	0.00	0.00	0.00	0.45	494.98
17	0.00	0.00	0.00	0.00	0.93	1022.46	17	0.00	0.00	0.00	0.00	0.48	527.93	17	0.00	0.00	0.00	0.00	0.45	494.53
18	0.00	0.00	0.00	0.00	0.93	1021.53	18	0.00	0.00	0.00	0.00	0.48	527.45	18	0.00	0.00	0.00	0.00	0.45	494.08
19	0.00	0.00	0.00	0.00	0.93	1020.60	19	0.00	0.00	0.00	0.00	0.48	526.97	19	0.00	0.00	0.00	0.00	0.45	493.63
20	0.00	0.00	0.00	0.00	0.93	1019.67	20	0.00	0.00	0.00	0.00	0.48	526.49	20	0.00	0.00	0.00	0.00	0.45	493.18
21	0.00	0.00	0.00	0.00	0.96	1018.71	21	0.00	0.00	0.00	0.00	0.50	525.99	21	0.00	0.00	0.00	0.00	0.46	492.72
22	0.00	0.00	0.00	0.00	0.96	1017.75	22	0.00	0.00	0.00	0.00	0.50	525.49	22	0.00	0.00	0.00	0.00	0.46	492.26
23	32.18	0.00	0.00	0.00	1.26	1048.67	23	32.18	0.00	0.00	0.00	0.65	557.02	23	0.00	0.00	0.00	0.00	0.61	491.65
24	137.59	0.00	0.00	0.00	1.56	1184.70	24	137.59	0.00	0.00	0.00	0.83	693.78	24	0.00	0.00	0.00	0.00	0.73	490.92
25	163.39	0.00	0.00	0.00	0.46	1347.63	25	163.39	0.00	0.00	0.00	0.27	856.90	25	0.00	0.00	0.00	0.00	0.19	490.73
26	129.22	0.00	0.00	0.00	0.85	1476.00	26	129.22	0.00	0.00	0.00	0.54	985.58	26	0.00	0.00	0.00	0.00	0.31	490.42
27	172.26	0.00	0.00	0.00	1.99	1646.27	27	172.26	0.00	0.00	0.00	1.33	1156.51	27	0.00	0.00	0.00	0.00	0.66	489.76
28	165.58	0.00	0.00	0.00	2.14	1809.71	28	165.58	0.00	0.00	0.00	1.50	1320.59	28	0.00	0.00	0.00	0.00	0.64	489.12
29	117.95																			





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

August 26, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for April 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of April 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all 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 during all of the days in April.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

The Lower Arkansas Water Management Association (LAWMA), via an agreement with Colorado Springs Utilities (CSU), delivered water from Pueblo Reservoir to the Offset Account in John Martin Reservoir with the delivery arriving from March 23, 2015 to April 2, 2015. The delivery began at Pueblo Reservoir at 09:00 hours on March 20, 2015 at a rate of 100 cfs. 2000 acre-feet was released from Pueblo Reservoir and a transit loss of 24.9% was applied from Pueblo Reservoir to John Martin Reservoir. As previously reported, 1223.96 acre-feet arrived in March while the balance of 278.89 acre-feet arrived in April for a total delivery of 1502.85 acre-feet

The Lower Arkansas Water Management Association (LAWMA) also transferred 16.7 acre-feet of fully consumable water as well as 2.5 acre-feet of Stateline return flow for a total of 19.2 acre-feet from LAWMA's Keesee Section II account to the Offset Account. The transfer was initiated on April 13, 2015 at 24:00 hours.

Additionally, the Lower Arkansas Water Management Association (LAWMA) began a delivery of fully consumable water to the Offset Account, (Keesee Ditch water right). This water delivery began on April 14<sup>th</sup>, 2015 at a rate of 10.04 acre-feet per day for a total of 170.68 acre-feet delivered in April.

As of April 30, 2015, a total of 2600.49 acre-feet was stored in the Offset Account. The accounting spreadsheet for the Offset Account for the month of April is attached at Enclosure 1.

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

Sincerely,



Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**April 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	442.04	194.30
2	BOOTH ORCHARD	17.87	12.67
3	EXCELSIOR	198.51	143.39
4	COLLIER	0.00	0.00
5	COLORADO	176.87	91.39
6	ROCKY FORD HIGHLINE	217.17	82.53
7	OXFORD	38.06	19.07
8	OTERO	24.64	8.87
9	CATLIN	461.52	377.91
10	FORT LYON US	386.49	154.53
11	ROCKY FORD	213.79	195.90
12	HOLBROOK	397.06	258.52
13	LAS ANIMAS CONSOLIDATED	80.88	31.35
14	BALDWIN-STUBBS	213.86	144.24
15	FORT BENT	168.27	128.99
16	KEESEE	0.00	0.00
17	AMITY	587.50	318.01
18	LAMAR/MANVEL	191.99	130.77
19	HYDE	47.36	28.97
20	FORT LYON DS	500.61	243.05
21	XY GRAHAM	181.30	117.08
22	BUFFALO	0.22	0.08
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	851.26	633.19
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	104.36	78.27
	Totals	5501.63	3393.08



**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**April 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.88	25.12	0.00	282.49	105.81	47.93	229.58	52.69	0.08	0.00	707.66	1452.24

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**April 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from Mar. 2015		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	147.32	460.92	0.49	608.72	
Depletion to Usable SL Flow		0.00	0.00	0.00	0.00	0.00	0.00	120.65	377.49	0.40	498.54	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
Lamar Center/West Farm	0.00				0.00						0.00	0.00
Lamar Granada East/West	0.00				24.39						24.39	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					427.11					427.11	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38362.61									48.59	48.59	38314.02
Offset Account Transit Loss	0.00	0.00			0.00			0.00			0.00	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	24.39	427.11	0.00	0.00	0.00	48.59	500.09	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for April 2015

Offset Account

April 2015

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
						2226.46							0.00							0.00
1	161.87	0.00	0.00	0.00	3.23	2385.10	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	117.02	0.00	0.00	0.00	4.42	2497.70	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	3.39	2494.31	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	3.39	2490.92	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	3.28	2487.64	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	4.18	2483.46	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	5.00	2478.46	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	5.40	2473.06	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	1.83	2471.23	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	2.64	2468.59	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.64	2465.95	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.74	2463.21	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	19.20	0.00	0.00	3.96	2478.45	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	10.04	0.00	0.00	0.00	4.99	2483.50	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	10.04	0.00	0.00	0.00	3.89	2489.65	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	10.04	0.00	0.00	0.00	0.83	2498.86	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	10.04	0.00	0.00	0.00	2.80	2506.10	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	10.04	0.00	0.00	0.00	2.82	2513.32	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	10.04	0.00	0.00	0.00	2.94	2520.42	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	10.04	0.00	0.00	0.00	1.90	2528.56	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	10.04	0.00	0.00	0.00	3.40	2535.20	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	10.04	0.00	0.00	0.00	3.21	2542.03	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	10.04	0.00	0.00	0.00	1.50	2550.57	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	10.04	0.00	0.00	0.00	2.58	2558.03	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	10.04	0.00	0.00	0.00	2.60	2565.47	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	10.04	0.00	0.00	0.00	2.73	2572.78	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	10.04	0.00	0.00	0.00	2.22	2580.60	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	10.04	0.00	0.00	0.00	2.80	2587.84	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	10.04	0.00	0.00	0.00	3.99	2593.89	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	10.04	0.00	0.00	0.00	3.44	2600.49	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
449.57	19.20	0.00	0.00	0.00	94.74		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
						2226.46							1739.09							487.37
1	161.87	0.00	0.00	0.00	3.23	2385.10	1	161.87	0.00	0.00	0.00	2.52	1898.44	1	0.00	0.00	0.00	0.00	0.71	486.66
2	117.02	0.00	0.00	0.00	4.42	2497.70	2	117.02	0.00	0.00	0.00	3.52	2011.94	2	0.00	0.00	0.00	0.00	0.90	485.76
3	0.00	0.00	0.00	0.00	3.39	2494.31	3	0.00	0.00	0.00	0.00	2.73	2009.21	3	0.00	0.00	0.00	0.00	0.66	485.10
4	0.00	0.00	0.00	0.00	3.39	2490.92	4	0.00	0.00	0.00	0.00	2.73	2006.48	4	0.00	0.00	0.00	0.00	0.66	484.44
5	0.00	0.00	0.00	0.00	3.28	2487.64	5	0.00	0.00	0.00	0.00	2.64	2003.84	5	0.00	0.00	0.00	0.00	0.64	483.80
6	0.00	0.00	0.00	0.00	4.18	2483.46	6	0.00	0.00	0.00	0.00	3.37	2000.47	6	0.00	0.00	0.00	0.00	0.81	482.99
7	0.00	0.00	0.00	0.00	5.00	2478.46	7	0.00	0.00	0.00	0.00	4.03	1996.44	7	0.00	0.00	0.00	0.00	0.97	482.02
8	0.00	0.00	0.00	0.00	5.40	2473.06	8	0.00	0.00	0.00	0.00	4.35	1992.09	8	0.00	0.00	0.00	0.00	1.05	480.97
9	0.00	0.00	0.00	0.00	1.83	2471.23	9	0.00	0.00	0.00	0.00	1.47	1990.62	9	0.00	0.00	0.00	0.00	0.36	480.61
10	0.00	0.00	0.00	0.00	2.64	2468.59	10	0.00	0.00	0.00	0.00	2.13	1988.49	10	0.00	0.00	0.00	0.00	0.51	480.10
11	0.00	0.00	0.00	0.00	2.64	2465.95	11	0.00	0.00	0.00	0.00	2.13	1986.36	11	0.00	0.00	0.00	0.00	0.51	479.59
12	0.00	0.00	0.00	0.00	2.74	2463.21	12	0.00	0.00	0.00	0.00	2.21	1984.15	12	0.00	0.00	0.00	0.00	0.53	479.06
13	0.00	16.70	0.00	0.00	3.96	2475.95	13	0.00	16.70	0.00	0.00	3.19	1997.66	13	0.00	0.00	0.00	0.00	0.77	478.29
14	10.04	0.00	0.00	0.00	4.99	2481.00	14	10.04	0.00	0.00	0.00	4.03	2003.67	14	0.00	0.00	0.00	0.00	0.96	477.33
15	10.04	0.00	0.00	0.00	3.89	2487.15	15	10.04	0.00	0.00	0.00	3.14	2010.57	15	0.00	0.00	0.00	0.00	0.75	476.58
16	10.04	0.00	0.00	0.00	0.83	2496.36	16	10.04	0.00	0.00	0.00	0.67	2019.94	16	0.00	0.00	0.00	0.00	0.16	476.42
17	10.04	0.00	0.00	0.00	2.80	2503.60	17	10.04	0.00	0.00	0.00	2.27	2027.71	17	0.00	0.00	0.00	0.00	0.53	475.89
18	10.04	0.00	0.00	0.00	2.82	2510.82	18	10.04	0.00	0.00	0.00	2.28	2035.47	18	0.00	0.00	0.00	0.00	0.54	475.35
19	10.04	0.00	0.00	0.00	2.94	2517.92	19	10.04	0.00	0.00	0.00	2.38	2043.13	19	0.00	0.00	0.00	0.00	0.56	474.79
20	10.04	0.00	0.00	0.00	1.90	2526.06	20	10.04	0.00	0.00	0.00	1.54	2051.63	20	0.00	0.00	0.00	0.00	0.36	474.43
21	10.04	0.00	0.00	0.00	3.40	2532.70	21	10.04	0.00	0.00	0.00	2.76	2058.91	21	0.00	0.00	0.00	0.00	0.64	473.79
22	10.04	0.00	0.00	0.00	3.21	2539.53	22	10.04	0.00	0.00	0.00	2.61	2066.34	22	0.00	0.00	0.00	0.00	0.60	473.19
23	10.04	0.00	0.00	0.00	1.50	2548.07	23	10.04	0.00	0.00	0.00	1.22	2075.16	23	0.00	0.00	0.00	0.00	0.28	472.91
24	10.04	0.00	0.00	0.00	2.58	2555.53	24	10.04	0.00	0.00	0.00	2.10	2083.10	24	0.00	0.00	0.00	0.00	0.48	472.43
25	10.04	0.00	0.00	0.00	2.60	2562.97	25	10.04	0.00	0.00	0.00	2.12	2091.02	25	0.00	0.00	0.00	0.00	0.48	471.95
26	10.04	0.00	0.00	0.00	2.73	2570.28	26	10.04	0.00	0.00	0.00	2.23	2098.83	26	0.00	0.00	0.00	0.00	0.50	471.45
27	10.04	0.00	0.00	0.00	2.22	2578.10	27	10.04	0.00	0.00	0.00	1.81	2107.06	27	0.00	0.00	0.00	0.00	0.41	471.04
28	10.04	0.00	0.00	0.00	2.80	2585.34	28	10.04	0.00	0.00	0.00	2.29	2114.81	28	0.00	0.00	0.00	0.00	0.51	470.53
29	10.04	0.00	0.00	0.00	3.99	2591.39	29	10.04	0.00	0.00	0.									





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

August 26, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for May 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of May 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 84% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during 26 of the days in May. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 84% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during 26 of the days in May.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

During April, 2015 the Lower Arkansas Water Management Association (LAWMA) continued a delivery of Keesee Ditch water totaling 82.49 acre-feet of fully consumable water to the Offset Account. Additionally, LAWMA began a delivery of fully consumable water from their Highland water right that began to arrive at John Martin Reservoir on May 10, 2015 and was booked to the Offset Account into the Colorado Downstream subaccount. Note that due to an accounting error the daily inflows were not recorded until May 28, 2015 when all deliveries between May 10, 2015 and that date were shown as an inflow to the account with daily values from that point forward. Total Highland consumable water delivery was 1621.04 acre-feet in May.

Two other deliveries made by Colorado Springs Utilities for LAWMA to the Offset Account were also made in May. The first was a release of 2000 acre-feet of fully reusable Arkansas River water (Colorado Canal water right) from Lake Meredith to the Offset Account that was delivered on May 21-22, 2015 for a total of 1861.39 acre-feet. The second CSU delivery (fully consumable Colorado Canal water right) was made on May 24, 2015 from Lake Meredith to the Offset Account for a total of 935.35 acre-feet.

As of May 31, 2015, a total of 6997.95 acre-feet was 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**May 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	66.39	29.08
2	BOOTH ORCHARD	2.81	1.16
3	EXCELSIOR	17.96	13.60
4	COLLIER	0.00	0.00
5	COLORADO	27.19	17.05
6	ROCKY FORD HIGHLINE	38.94	14.03
7	OXFORD	7.11	3.29
8	OTERO	0.00	0.00
9	CATLIN	200.32	174.87
10	FORT LYON US	80.34	33.10
11	ROCKY FORD	48.40	43.79
12	HOLBROOK	36.02	25.17
13	LAS ANIMAS CONSOLIDATED	0.45	0.34
14	BALDWIN-STUBBS	3.84	3.84
15	FORT BENT	28.81	11.30
16	KEESEEE	0.00	0.00
17	AMITY	163.31	109.29
18	LAMAR/MANVEL	87.67	61.78
19	HYDE	16.52	10.11
20	FORT LYON DS	57.52	27.88
21	XY GRAHAM	89.52	51.76
22	BUFFALO	0.42	0.15
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	526.33	393.68
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	0.00	0.00
	Totals	1499.87	1025.27

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**May 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.00	3.70	0.00	109.29	44.07	10.11	19.67	15.82	0.15	0.00	174.35	377.16

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**May 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from Apr. 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		2.47	4.92	21.90	16.56	9.48	11.21	133.96	431.51	5.24	637.24	
Depletion to Usable SL Flow		2.02	4.03	17.93	13.56	7.76	9.18	109.71	353.41	4.29	521.90	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00						6.02	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	1364.05				0.00						0.00	1364.05
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								88		88.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					87.50					87.50	0.00
Offset Account Release Credit*	38314.02									0.00	0.00	38314.02
Offset Account Transit Loss	0.00	0.00			0.00			0.00			0.00	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	0.00	87.5	0.00	0.00	88.00	0.00	175.50	
Depletions Carried Forward							-				0.00	
		2.02	6.04	23.98	37.54	-239.69	230.19	-277.11	-11.33	-7.030		



\* Note that 0.0acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for May 2015

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	
						2600.49							0.00							0.00	
1	10.31	0.00	0.00	0.00	2.89	2607.91	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	
2	10.31	0.00	0.00	0.00	2.91	2615.31	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	10.31	0.00	0.00	0.00	2.81	2622.81	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	10.31	0.00	0.00	0.00	1.41	2631.71	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	10.31	0.00	0.00	0.00	2.12	2639.90	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	10.31	0.00	0.00	0.00	3.20	2647.01	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	10.31	0.00	0.00	0.00	3.69	2653.63	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	10.31	0.00	0.00	0.00	3.47	2660.47	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	3.43	2657.04	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	3.32	2653.72	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	2.25	2651.47	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	4.52	2646.95	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.22	2646.73	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	2.52	2644.21	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	3.72	2640.49	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	3.60	2636.89	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	3.60	2633.29	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	2.87	2630.42	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	2.87	2627.55	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	1.47	2626.08	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	1017.26	0.00	0.00	0.00	1.18	3642.16	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	844.13	0.00	0.00	0.00	3.48	4482.81	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.23	4478.58	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	935.35	0.00	0.00	0.00	4.10	5409.83	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	4.78	5405.05	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	4.48	5400.57	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	5.79	5394.78	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	1372.76	0.00	0.00	0.00	2.65	6764.89	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	82.77	0.00	0.00	0.00	5.31	6842.35	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	82.77	0.00	0.00	0.00	5.01	6920.11	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	82.83	0.00	0.00	0.00	4.99	6997.95	31	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
4500.35	0.00	0.00	0.00	0.00	102.89		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OffsetAccount-Consumable Totals							OffsetAccount-Consumable Downstream							OffsetAccount-Consumable Kansas Charge						
Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance	Day	Inflow	TransIn	TransOut	Rel.	Evap	Balance
						2597.99							2128.81							469.18
1	10.31	0.00	0.00	0.00	2.89	2605.41	1	10.31	0.00	0.00	0.00	2.37	2136.75	1	0.00	0.00	0.00	0.00	0.52	468.66
2	10.31	0.00	0.00	0.00	2.91	2612.81	2	10.31	0.00	0.00	0.00	2.39	2144.67	2	0.00	0.00	0.00	0.00	0.52	468.14
3	10.31	0.00	0.00	0.00	2.81	2620.31	3	10.31	0.00	0.00	0.00	2.31	2152.67	3	0.00	0.00	0.00	0.00	0.50	467.64
4	10.31	0.00	0.00	0.00	1.41	2629.21	4	10.31	0.00	0.00	0.00	1.16	2161.82	4	0.00	0.00	0.00	0.00	0.25	467.39
5	10.31	0.00	0.00	0.00	2.12	2637.40	5	10.31	0.00	0.00	0.00	1.74	2170.39	5	0.00	0.00	0.00	0.00	0.38	467.01
6	10.31	0.00	0.00	0.00	3.20	2644.51	6	10.31	0.00	0.00	0.00	2.63	2178.07	6	0.00	0.00	0.00	0.00	0.57	466.44
7	10.31	0.00	0.00	0.00	3.69	2651.13	7	10.31	0.00	0.00	0.00	3.04	2185.34	7	0.00	0.00	0.00	0.00	0.65	465.79
8	10.31	0.00	0.00	0.00	3.47	2657.97	8	10.31	0.00	0.00	0.00	2.86	2192.79	8	0.00	0.00	0.00	0.00	0.61	465.18
9	0.00	0.00	0.00	0.00	3.43	2654.54	9	0.00	0.00	0.00	0.00	2.83	2189.96	9	0.00	0.00	0.00	0.00	0.60	464.58
10	0.00	0.00	0.00	0.00	3.32	2651.22	10	0.00	0.00	0.00	0.00	2.74	2187.22	10	0.00	0.00	0.00	0.00	0.58	464.00
11	0.00	0.00	0.00	0.00	2.25	2648.97	11	0.00	0.00	0.00	0.00	1.86	2185.36	11	0.00	0.00	0.00	0.00	0.39	463.61
12	0.00	0.00	0.00	0.00	4.52	2644.45	12	0.00	0.00	0.00	0.00	3.73	2181.63	12	0.00	0.00	0.00	0.00	0.79	462.82
13	0.00	0.00	0.00	0.00	0.22	2644.23	13	0.00	0.00	0.00	0.00	0.18	2181.45	13	0.00	0.00	0.00	0.00	0.04	462.78
14	0.00	0.00	0.00	0.00	2.52	2641.71	14	0.00	0.00	0.00	0.00	2.08	2179.37	14	0.00	0.00	0.00	0.00	0.44	462.34
15	0.00	0.00	0.00	0.00	3.72	2637.99	15	0.00	0.00	0.00	0.00	3.07	2176.30	15	0.00	0.00	0.00	0.00	0.65	461.69
16	0.00	0.00	0.00	0.00	3.60	2634.39	16	0.00	0.00	0.00	0.00	2.97	2173.33	16	0.00	0.00	0.00	0.00	0.63	461.06
17	0.00	0.00	0.00	0.00	3.60	2630.79	17	0.00	0.00	0.00	0.00	2.97	2170.36	17	0.00	0.00	0.00	0.00	0.63	460.43
18	0.00	0.00	0.00	0.00	2.87	2627.92	18	0.00	0.00	0.00	0.00	2.37	2167.99	18	0.00	0.00	0.00	0.00	0.50	459.93
19	0.00	0.00	0.00	0.00	2.87	2625.05	19	0.00	0.00	0.00	0.00	2.37	2165.62	19	0.00	0.00	0.00	0.00	0.50	459.43
20	0.00	0.00	0.00	0.00	1.47	2623.58	20	0.00	0.00	0.00	0.00	1.21	2164.41	20	0.00	0.00	0.00	0.00	0.26	459.17
21	1017.26	0.00	0.00	0.00	1.18	3639.66	21	1017.26	0.00	0.00	0.00	0.97	3180.70	21	0.00	0.00	0.00	0.00	0.21	458.96
22	844.13	0.00	0.00	0.00	3.48	4480.31	22	844.13	0.00	0.00	0.00	3.04	4021.79	22	0.00	0.00	0.00	0.00	0.44	458.52
23	0.00	0.00	0.00	0.00	4.23	4476.08	23	0.00	0.00	0.00	0.00	3.80	4017.99	23	0.00	0.00	0.00	0.00	0.43	458.09
24	935.35	0.00	0.00	0.00	4.10	5407.33	24	935.35	0.00	0.00	0.00	3.68	4949.66	24	0.00	0.00	0.00	0.00	0.42	457.67
25	0.00	0.00	0.00	0.00	4.78	5402.55	25	0.00	0.00	0.00	0.00	4.38	4945.28	25	0.00	0.00	0.00	0.00	0.40	457.27
26	0.00	0.00	0.00	0.00	4.48	5398.07	26	0.00	0.00	0.00	0.00	4.10	4941.18	26	0.00	0.00	0.00	0.00	0.38	456.89
27	0.00	0.00	0.00	0.00	5.79	5392.28	27	0.00	0.00											





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 17, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for June 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of June 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all of the days in June. 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 during all of the days in June.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

The Lower Arkansas Water Management Association (LAWMA) delivered 1000 acre-feet of fully consumable water to the Offset Account, via an agreement with Pueblo Board of Water Works and Colorado Springs Utilities. This water was released from Pueblo Reservoir on June 2, 2015 at 10:00 am at a rate of 100.83 cfs and reached John Martin Reservoir on June 5, 2015 netting 886.12 acre-feet by June 10th, 2015 having been assessed an 11.4% transit loss that was computed using the Livingston Transit Loss Model from Pueblo Reservoir to John Martin Reservoir. Additionally, LAWMA delivered consumable water from their Highland Canal water right totaling 1778.7 acre-feet in June.

A release of water was called for by Kansas from the Offset Account at the rate of 400 cfs from June 6, 2015 through June 12, 2015. A total of 4958.75 acre-feet was released from the Offset Account resulting in 2695 acre-feet of delivery credit at the Stateline.

As of June 30, 2015, a total of 4570.92 acre-feet was 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**June 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	442.04	194.30
2	BOOTH ORCHARD	17.87	12.67
3	EXCELSIOR	198.51	143.39
4	COLLIER	0.00	0.00
5	COLORADO	176.87	91.39
6	ROCKY FORD HIGHLINE	217.17	82.53
7	OXFORD	38.06	19.07
8	OTERO	24.64	8.87
9	CATLIN	461.52	377.91
10	FORT LYON US	386.49	154.53
11	ROCKY FORD	213.79	195.90
12	HOLBROOK	397.06	258.52
13	LAS ANIMAS CONSOLIDATED	80.88	31.35
14	BALDWIN-STUBBS	213.79	195.90
15	FORT BENT	168.27	128.99
16	KEESEE	0.00	0.00
17	AMITY	587.50	318.01
18	LAMAR/MANVEL	191.99	130.77
19	HYDE	47.36	28.97
20	FORT LYON DS	500.61	243.05
21	XY GRAHAM	181.30	117.08
22	BUFFALO	0.22	0.08
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	851.26	633.19
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	104.36	78.27
	Totals	5501.63	3393.08

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**June 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.00	17.25	0.00	331.55	136.40	26.07	116.79	175.29	0.83	0.00	1159.95	1964.13

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**June 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from May, 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		13.83	27.19	123.33	95.65	57.17	71.87	140.85	507.51	6.04	1043.45	
Depletion to Usable SL Flow		11.33	22.27	101.01	78.34	46.82	58.86	115.36	415.65	4.95	854.59	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				0.00						0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38314.02									0.00	0.00	38314.02
Offset Account Transit Loss		154.00									872.68	0.00
	0.00	0			519.00			199.68				
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements		154.00			519.00		0.00	199.68	0.00	0.00		
	0.00	0	0.00	0.00		0.00					872.68	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.



Enclosure 1

John Martin Offset Accounting for June 2015

Offset Account

June 2015

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
						6997.95							0.00							0.00
1	82.96	0.00	0.00	0.00	5.94	7074.97	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	92.57	0.00	0.00	0.00	10.47	7157.07	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	92.51	0.00	0.00	0.00	3.27	7246.31	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	92.31	0.00	0.00	0.00	4.70	7333.92	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	165.34	0.00	0.00	0.00	6.18	7493.08	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	269.67	0.00	0.00	528.93	6.27	7227.55	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	269.56	0.00	0.00	793.40	6.02	6697.69	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	269.67	0.00	0.00	793.40	3.93	6170.03	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	269.50	0.00	0.00	793.40	7.05	5639.08	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	195.59	0.00	0.00	793.40	3.95	5037.32	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	92.10	0.00	0.00	793.40	6.88	4329.14	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	92.21	0.00	0.00	462.82	1.96	3956.57	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	93.11	0.00	0.00	0.00	1.68	4048.00	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	92.27	0.00	0.00	0.00	1.70	4138.57	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	91.83	0.00	0.00	0.00	2.56	4227.84	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	92.10	0.00	0.00	0.00	3.70	4316.24	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	92.10	0.00	0.00	0.00	2.48	4405.86	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	92.21	0.00	0.00	0.00	3.75	4494.32	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	92.27	0.00	0.00	0.00	4.67	4581.92	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	34.94	0.00	0.00	0.00	4.74	4612.12	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.88	4607.24	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	5.48	4601.76	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.99	4596.77	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	4.47	4592.30	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.64	4586.66	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	3.54	4583.12	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	4579.59	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	3.42	4576.17	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.85	4574.32	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	3.40	4570.92	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
2664.82	0.00	0.00	4958.75	133.10			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
						6995.45							6540.29							455.16
1	82.96	0.00	0.00	0.00	5.94	7072.47	1	82.96	0.00	0.00	0.00	5.55	6617.70	1	0.00	0.00	0.00	0.00	0.39	454.77
2	92.57	0.00	0.00	0.00	10.47	7154.57	2	92.57	0.00	0.00	0.00	9.80	6700.47	2	0.00	0.00	0.00	0.00	0.67	454.10
3	92.51	0.00	0.00	0.00	3.27	7243.81	3	92.51	0.00	0.00	0.00	3.06	6789.92	3	0.00	0.00	0.00	0.00	0.21	453.89
4	92.31	0.00	0.00	0.00	4.70	7331.42	4	92.31	0.00	0.00	0.00	4.41	6877.82	4	0.00	0.00	0.00	0.00	0.29	453.60
5	165.34	0.00	0.00	0.00	6.18	7490.58	5	165.34	0.00	0.00	0.00	5.80	7037.36	5	0.00	0.00	0.00	0.00	0.38	453.22
6	269.67	0.00	0.00	526.53	6.27	7227.45	6	269.67	0.00	0.00	73.69	5.89	7227.45	6	0.00	0.00	0.00	452.84	0.38	0.00
7	269.56	0.00	0.00	793.40	6.02	6697.59	7	269.56	0.00	0.00	793.40	6.02	6697.59	7	0.00	0.00	0.00	0.00	0.00	0.00
8	269.67	0.00	0.00	793.40	3.93	6169.93	8	269.67	0.00	0.00	793.40	3.93	6169.93	8	0.00	0.00	0.00	0.00	0.00	0.00
9	269.50	0.00	0.00	793.40	7.05	5638.98	9	269.50	0.00	0.00	793.40	7.05	5638.98	9	0.00	0.00	0.00	0.00	0.00	0.00
10	195.59	0.00	0.00	793.40	3.95	5037.22	10	195.59	0.00	0.00	793.40	3.95	5037.22	10	0.00	0.00	0.00	0.00	0.00	0.00
11	92.10	0.00	0.00	793.40	6.88	4329.04	11	92.10	0.00	0.00	793.40	6.88	4329.04	11	0.00	0.00	0.00	0.00	0.00	0.00
12	92.21	0.00	0.00	462.82	1.96	3956.47	12	92.21	0.00	0.00	462.82	1.96	3956.47	12	0.00	0.00	0.00	0.00	0.00	0.00
13	93.11	0.00	0.00	0.00	1.68	4047.90	13	93.11	0.00	0.00	0.00	1.68	4047.90	13	0.00	0.00	0.00	0.00	0.00	0.00
14	92.27	0.00	0.00	0.00	1.70	4138.47	14	92.27	0.00	0.00	0.00	1.70	4138.47	14	0.00	0.00	0.00	0.00	0.00	0.00
15	91.83	0.00	0.00	0.00	2.56	4227.74	15	91.83	0.00	0.00	0.00	2.56	4227.74	15	0.00	0.00	0.00	0.00	0.00	0.00
16	92.10	0.00	0.00	0.00	3.70	4316.14	16	92.10	0.00	0.00	0.00	3.70	4316.14	16	0.00	0.00	0.00	0.00	0.00	0.00
17	92.10	0.00	0.00	0.00	2.48	4405.76	17	92.10	0.00	0.00	0.00	2.48	4405.76	17	0.00	0.00	0.00	0.00	0.00	0.00
18	92.21	0.00	0.00	0.00	3.75	4494.22	18	92.21	0.00	0.00	0.00	3.75	4494.22	18	0.00	0.00	0.00	0.00	0.00	0.00
19	92.27	0.00	0.00	0.00	4.67	4581.82	19	92.27	0.00	0.00	0.00	4.67	4581.82	19	0.00	0.00	0.00	0.00	0.00	0.00
20	34.94	0.00	0.00	0.00	4.74	4612.02	20	34.94	0.00	0.00	0.00	4.74	4612.02	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	4.88	4607.14	21	0.00	0.00	0.00	0.00	4.88	4607.14	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	5.48	4601.66	22	0.00	0.00	0.00	0.00	5.48	4601.66	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	4.99	4596.67	23	0.00	0.00	0.00	0.00	4.99	4596.67	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	4.47	4592.20	24	0.00	0.00	0.00	0.00	4.47	4592.20	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	5.64	4586.56	25	0.00	0.00	0.00	0.00	5.64	4586.56	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	3.54	4583.02	26	0.00	0.00	0.00	0.00	3.54	4583.02	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	4579.49	27	0.00	0.00	0.00	0.00	3.53	4579.49	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	3.42	4576.07	28	0.00	0.00	0.00	0.00	3.42	4576.07	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	1.85	4574.22	29	0.00	0.00	0.00	0.00	1.85	4574.22	29	0.					





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 17, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for July 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of July 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all of the days in July. 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 during all of the days in July.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

During the month of July, 2015 the Highland Canal conveyed 1594.12 acre-feet of inflows to the Offset account.

As of July 31, 2015, a total of 6023.00 acre-feet was 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  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**July 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	1267.66	572.64
2	BOOTH ORCHARD	53.57	24.80
3	EXCELSIOR	282.39	165.18
4	COLLIER	0.00	0.00
5	COLORADO	319.18	176.43
6	ROCKY FORD HIGHLINE	325.24	121.51
7	OXFORD	198.31	90.61
8	OTERO	20.44	9.08
9	CATLIN	1454.21	1149.76
10	FORT LYON US	1691.73	756.99
11	ROCKY FORD	196.30	173.41
12	HOLBROOK	451.72	320.36
13	LAS ANIMAS CONSOLIDATED	38.46	14.94
14	BALDWIN-STUBBS	137.32	83.84
15	FORT BENT	282.58	228.93
16	KEESEE	0.00	0.00
17	AMITY	1339.00	799.55
18	LAMAR/MANVEL	808.49	567.35
19	HYDE	159.71	92.86
20	FORT LYON DS	1106.69	553.21
21	XY GRAHAM	612.40	406.42
22	BUFFALO	6.94	2.94
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	4102.43	3064.34
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	20.51	15.39
	Totals	14875.28	9390.54

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**July 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
9.26	13.66	0.00	776.18	177.22	116.42	540.94	174.90	2.94	0.00	1971.46	3782.98

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**July 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from June, 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		17.05	34.50	152.42	126.38	63.01	81.19	171.00	818.78	2.50	1466.84	
Depletion to Usable SL Flow		13.96	28.26	124.83	103.51	51.60	66.50	140.05	670.58	2.05	1201.34	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				982.48						982.48	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38314.02									0.00	0.00	38314.02
Offset Account Transit Loss	0.00							222.32			232.32	0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	0.00	0.00	0.00	982.48	0.00	0.00	222.32	0.00	0.00	1204.80	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for July 2015



Offset Account

July 2015

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
						4570.92							0.00							0.00
1	33.96	0.00	0.00	0.00	3.30	4601.58	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	29.16	0.00	0.00	0.00	4.09	4626.65	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	26.41	0.00	0.00	0.00	4.10	4648.96	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	56.41	0.00	0.00	0.00	4.21	4701.16	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	35.31	0.00	0.00	0.00	4.24	4732.23	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	23.85	0.00	0.00	0.00	1.48	4754.60	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	33.48	0.00	0.00	0.00	3.86	4784.22	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	29.35	0.00	0.00	0.00	2.18	4811.39	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	56.87	0.00	0.00	0.00	2.79	4865.47	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	95.95	0.00	0.00	0.00	5.22	4956.20	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	95.95	0.00	0.00	0.00	5.19	5046.96	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	95.95	0.00	0.00	0.00	5.38	5137.53	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	70.02	0.00	0.00	0.00	5.26	5202.29	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	62.37	0.00	0.00	0.00	5.85	5258.81	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	87.93	0.00	0.00	0.00	2.90	5343.84	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	54.73	0.00	0.00	0.00	4.25	5394.32	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	39.93	0.00	0.00	0.00	4.85	5429.40	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	36.18	0.00	0.00	0.00	4.89	5460.69	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	35.57	0.00	0.00	0.00	4.93	5491.33	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	70.66	0.00	0.00	0.00	3.95	5558.04	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	78.50	0.00	0.00	0.00	3.78	5632.76	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	61.77	0.00	0.00	0.00	3.49	5691.04	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	89.25	0.00	0.00	0.00	5.31	5774.98	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	90.71	0.00	0.00	0.00	5.52	5860.17	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	87.06	0.00	0.00	0.00	5.63	5941.60	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	27.76	0.00	0.00	0.00	5.73	5963.63	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	18.80	0.00	0.00	0.00	7.14	5975.29	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	15.72	0.00	0.00	0.00	8.31	5982.70	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	22.98	0.00	0.00	0.00	4.80	6000.88	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	10.18	0.00	0.00	0.00	3.81	6007.25	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	21.35	0.00	0.00	0.00	5.60	6023.00	31	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
1594.12	0.00	0.00	0.00	0.00	142.04		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	

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
						4570.82							4570.82							0.00
1	33.96	0.00	0.00	0.00	3.30	4601.48	1	33.96	0.00	0.00	0.00	3.30	4601.48	1	0.00	0.00	0.00	0.00	0.00	0.00
2	29.16	0.00	0.00	0.00	4.09	4626.55	2	29.16	0.00	0.00	0.00	4.09	4626.55	2	0.00	0.00	0.00	0.00	0.00	0.00
3	26.41	0.00	0.00	0.00	4.10	4648.86	3	26.41	0.00	0.00	0.00	4.10	4648.86	3	0.00	0.00	0.00	0.00	0.00	0.00
4	56.41	0.00	0.00	0.00	4.21	4701.06	4	56.41	0.00	0.00	0.00	4.21	4701.06	4	0.00	0.00	0.00	0.00	0.00	0.00
5	35.31	0.00	0.00	0.00	4.24	4732.13	5	35.31	0.00	0.00	0.00	4.24	4732.13	5	0.00	0.00	0.00	0.00	0.00	0.00
6	23.85	0.00	0.00	0.00	1.48	4754.50	6	23.85	0.00	0.00	0.00	1.48	4754.50	6	0.00	0.00	0.00	0.00	0.00	0.00
7	33.48	0.00	0.00	0.00	3.86	4784.12	7	33.48	0.00	0.00	0.00	3.86	4784.12	7	0.00	0.00	0.00	0.00	0.00	0.00
8	29.35	0.00	0.00	0.00	2.18	4811.29	8	29.35	0.00	0.00	0.00	2.18	4811.29	8	0.00	0.00	0.00	0.00	0.00	0.00
9	56.87	0.00	0.00	0.00	2.79	4865.37	9	56.87	0.00	0.00	0.00	2.79	4865.37	9	0.00	0.00	0.00	0.00	0.00	0.00
10	95.95	0.00	0.00	0.00	5.22	4956.10	10	95.95	0.00	0.00	0.00	5.22	4956.10	10	0.00	0.00	0.00	0.00	0.00	0.00
11	95.95	0.00	0.00	0.00	5.19	5046.86	11	95.95	0.00	0.00	0.00	5.19	5046.86	11	0.00	0.00	0.00	0.00	0.00	0.00
12	95.95	0.00	0.00	0.00	5.38	5137.43	12	95.95	0.00	0.00	0.00	5.38	5137.43	12	0.00	0.00	0.00	0.00	0.00	0.00
13	70.02	0.00	0.00	0.00	5.26	5202.19	13	70.02	0.00	0.00	0.00	5.26	5202.19	13	0.00	0.00	0.00	0.00	0.00	0.00
14	62.37	0.00	0.00	0.00	5.85	5258.71	14	62.37	0.00	0.00	0.00	5.85	5258.71	14	0.00	0.00	0.00	0.00	0.00	0.00
15	87.93	0.00	0.00	0.00	2.90	5343.74	15	87.93	0.00	0.00	0.00	2.90	5343.74	15	0.00	0.00	0.00	0.00	0.00	0.00
16	54.73	0.00	0.00	0.00	4.25	5394.22	16	54.73	0.00	0.00	0.00	4.25	5394.22	16	0.00	0.00	0.00	0.00	0.00	0.00
17	39.93	0.00	0.00	0.00	4.85	5429.30	17	39.93	0.00	0.00	0.00	4.85	5429.30	17	0.00	0.00	0.00	0.00	0.00	0.00
18	36.18	0.00	0.00	0.00	4.89	5460.59	18	36.18	0.00	0.00	0.00	4.89	5460.59	18	0.00	0.00	0.00	0.00	0.00	0.00
19	35.57	0.00	0.00	0.00	4.93	5491.23	19	35.57	0.00	0.00	0.00	4.93	5491.23	19	0.00	0.00	0.00	0.00	0.00	0.00
20	70.66	0.00	0.00	0.00	3.95	5557.94	20	70.66	0.00	0.00	0.00	3.95	5557.94	20	0.00	0.00	0.00	0.00	0.00	0.00
21	78.50	0.00	0.00	0.00	3.78	5632.66	21	78.50	0.00	0.00	0.00	3.78	5632.66	21	0.00	0.00	0.00	0.00	0.00	0.00
22	61.77	0.00	0.00	0.00	3.49	5690.94	22	61.77	0.00	0.00	0.00	3.49	5690.94	22	0.00	0.00	0.00	0.00	0.00	0.00
23	89.25	0.00	0.00	0.00	5.31	5774.88	23	89.25	0.00	0.00	0.00	5.31	5774.88	23	0.00	0.00	0.00	0.00	0.00	0.00
24	90.71	0.00	0.00	0.00	5.52	5860.07	24	90.71	0.00	0.00	0.00	5.52	5860.07	24	0.00	0.00	0.00	0.00	0.00	0.00
25	87.06	0.00	0.00	0.00	5.63	5941.50	25	87.06	0.00	0.00	0.00	5.63	5941.50	25	0.00	0.00	0.00	0.00	0.00	0.00
26	27.76	0.00	0.00	0.00	5.73	5963.53	26	27.76	0.00	0.00	0.00	5.73	5963.53	26	0.00	0.00	0.00	0.00	0.00	0.00
27	18.80	0.00	0.00	0.00	7.14	5975.19	27	18.80	0.00	0.00	0.00	7.14	5975.19	27	0.00	0.00	0.00	0.00	0.00	0.00
28	15.72	0.00	0.00	0.00	8.31	5982.60	28	15.72	0.00	0.00	0.00	8.31	5982.60	28	0.00	0.00	0.00	0.00	0.00	0.00
29																				





## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 17, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for August 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of August 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all of the days in August. 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 during all of the days in August.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

During the month of August, 2015 the Highland Canal conveyed 1053.24 acre-feet of inflows to the Offset account.

As of August 31, 2015, a total of 6913.06 acre-feet was 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,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with the first name "Steven" and last name "Witte" clearly distinguishable.

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**August 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	1167.21	520.37
2	BOOTH ORCHARD	25.04	13.24
3	EXCELSIOR	236.55	158.11
4	COLLIER	53.39	19.22
5	COLORADO	172.09	105.64
6	ROCKY FORD HIGHLINE	543.63	206.30
7	OXFORD	145.59	78.64
8	OTERO	44.75	16.74
9	CATLIN	1906.83	1283.87
10	FORT LYON US	974.73	380.59
11	ROCKY FORD	222.20	205.64
12	HOLBROOK	368.80	234.89
13	LAS ANIMAS CONSOLIDATED	32.99	15.51
14	BALDWIN-STUBBS	43.24	28.14
15	FORT BENT	219.92	165.63
16	KEESEEE	0.00	0.00
17	AMITY	1160.37	645.73
18	LAMAR/MANVEL	1537.48	1120.27
19	HYDE	130.68	75.86
20	FORT LYON DS	733.64	389.37
21	XY GRAHAM	766.10	527.16
22	BUFFALO	44.33	17.17
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	3221.85	2407.50
601	LAWMA A.P.D.	0.00	0.00
602	LAWMA A.P.D.	20.51	15.39
	Totals	13771.92	8630.98

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**August 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
52.01	17.20	0.00	620.74	274.30	129.30	382.52	330.97	12.88	0.00	1837.99	3657.91

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**August 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from July. 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		20.54	41.97	179.12	162.34	74.9	94.65	206.37	1092.54	4.73	1877.19	
Depletion to Usable SL Flow		16.82	34.37	146.70	132.96	61.36	77.52	169.02	894.79	3.88	1537.41	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	6.92	8.78	25.29	12.89						53.88	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				0.00	0.00					0.00	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00											0.00
LAWMA-Manvel Direct Flow	0.00					1487.76					1487.76	0.00
Offset Account Release Credit*	38314.02									0.00	0.00	38314.02
Offset Account Transit Loss	0.00											0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	6.92	8.78	25.29	12.89	1487.76					1541.64	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for August 2015

Offset Account

August 2015

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
						6023.00							0.00							0.00
1	28.32	0.00	0.00	0.00	5.75	6045.57	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	26.81	0.00	0.00	0.00	5.78	6066.60	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	58.22	0.00	0.00	0.00	4.40	6120.42	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	36.65	0.00	0.00	0.00	4.42	6152.65	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	32.96	0.00	0.00	0.00	5.25	6180.36	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	19.56	0.00	0.00	0.00	5.82	6194.10	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	15.56	0.00	0.00	0.00	4.91	6204.75	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	36.00	0.00	0.00	0.00	5.05	6235.70	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	18.81	0.00	0.00	0.00	5.07	6249.44	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	11.24	0.00	0.00	0.00	5.21	6255.47	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	75.43	0.00	0.00	0.00	3.74	6327.16	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	67.06	0.00	0.00	0.00	5.81	6388.41	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	25.73	0.00	0.00	0.00	5.32	6408.82	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	46.45	0.00	0.00	0.00	5.74	6449.53	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	65.67	0.00	0.00	0.00	5.78	6509.42	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	66.72	0.00	0.00	0.00	5.83	6570.31	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	76.89	0.00	0.00	0.00	4.79	6642.41	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	74.57	0.00	0.00	0.00	5.12	6711.86	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	84.41	0.00	0.00	0.00	3.73	6792.54	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	22.52	0.00	0.00	0.00	4.35	6810.71	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	43.12	0.00	0.00	0.00	5.38	6848.45	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	27.58	0.00	0.00	0.00	5.41	6870.62	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	15.62	0.00	0.00	0.00	5.28	6880.96	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	10.29	0.00	0.00	0.00	4.26	6886.99	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	10.67	0.00	0.00	0.00	4.56	6893.10	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.53	0.00	0.00	0.00	7.94	6893.69	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	7.08	0.00	0.00	0.00	6.47	6894.30	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	7.38	0.00	0.00	0.00	5.01	6896.67	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	15.26	0.00	0.00	0.00	5.01	6906.92	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	11.05	0.00	0.00	0.00	5.32	6912.65	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	7.08	0.00	0.00	0.00	6.67	6913.06	31	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
1053.24	0.00	0.00	0.00	0.00	163.18		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
						6022.90							6022.90							0.00
1	28.32	0.00	0.00	0.00	5.75	6045.47	1	28.32	0.00	0.00	0.00	5.75	6045.47	1	0.00	0.00	0.00	0.00	0.00	0.00
2	26.81	0.00	0.00	0.00	5.78	6066.50	2	26.81	0.00	0.00	0.00	5.78	6066.50	2	0.00	0.00	0.00	0.00	0.00	0.00
3	58.22	0.00	0.00	0.00	4.40	6120.32	3	58.22	0.00	0.00	0.00	4.40	6120.32	3	0.00	0.00	0.00	0.00	0.00	0.00
4	36.65	0.00	0.00	0.00	4.42	6152.55	4	36.65	0.00	0.00	0.00	4.42	6152.55	4	0.00	0.00	0.00	0.00	0.00	0.00
5	32.96	0.00	0.00	0.00	5.25	6180.26	5	32.96	0.00	0.00	0.00	5.25	6180.26	5	0.00	0.00	0.00	0.00	0.00	0.00
6	19.56	0.00	0.00	0.00	5.82	6194.00	6	19.56	0.00	0.00	0.00	5.82	6194.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	15.56	0.00	0.00	0.00	4.91	6204.65	7	15.56	0.00	0.00	0.00	4.91	6204.65	7	0.00	0.00	0.00	0.00	0.00	0.00
8	36.00	0.00	0.00	0.00	5.05	6235.60	8	36.00	0.00	0.00	0.00	5.05	6235.60	8	0.00	0.00	0.00	0.00	0.00	0.00
9	18.81	0.00	0.00	0.00	5.07	6249.34	9	18.81	0.00	0.00	0.00	5.07	6249.34	9	0.00	0.00	0.00	0.00	0.00	0.00
10	11.24	0.00	0.00	0.00	5.21	6255.37	10	11.24	0.00	0.00	0.00	5.21	6255.37	10	0.00	0.00	0.00	0.00	0.00	0.00
11	75.43	0.00	0.00	0.00	3.74	6327.06	11	75.43	0.00	0.00	0.00	3.74	6327.06	11	0.00	0.00	0.00	0.00	0.00	0.00
12	67.06	0.00	0.00	0.00	5.81	6388.31	12	67.06	0.00	0.00	0.00	5.81	6388.31	12	0.00	0.00	0.00	0.00	0.00	0.00
13	25.73	0.00	0.00	0.00	5.32	6408.72	13	25.73	0.00	0.00	0.00	5.32	6408.72	13	0.00	0.00	0.00	0.00	0.00	0.00
14	46.45	0.00	0.00	0.00	5.74	6449.43	14	46.45	0.00	0.00	0.00	5.74	6449.43	14	0.00	0.00	0.00	0.00	0.00	0.00
15	65.67	0.00	0.00	0.00	5.78	6509.32	15	65.67	0.00	0.00	0.00	5.78	6509.32	15	0.00	0.00	0.00	0.00	0.00	0.00
16	66.72	0.00	0.00	0.00	5.83	6570.21	16	66.72	0.00	0.00	0.00	5.83	6570.21	16	0.00	0.00	0.00	0.00	0.00	0.00
17	76.89	0.00	0.00	0.00	4.79	6642.31	17	76.89	0.00	0.00	0.00	4.79	6642.31	17	0.00	0.00	0.00	0.00	0.00	0.00
18	74.57	0.00	0.00	0.00	5.12	6711.76	18	74.57	0.00	0.00	0.00	5.12	6711.76	18	0.00	0.00	0.00	0.00	0.00	0.00
19	84.41	0.00	0.00	0.00	3.73	6792.44	19	84.41	0.00	0.00	0.00	3.73	6792.44	19	0.00	0.00	0.00	0.00	0.00	0.00
20	22.52	0.00	0.00	0.00	4.35	6810.61	20	22.52	0.00	0.00	0.00	4.35	6810.61	20	0.00	0.00	0.00	0.00	0.00	0.00
21	43.12	0.00	0.00	0.00	5.38	6848.35	21	43.12	0.00	0.00	0.00	5.38	6848.35	21	0.00	0.00	0.00	0.00	0.00	0.00
22	27.58	0.00	0.00	0.00	5.41	6870.52	22	27.58	0.00	0.00	0.00	5.41	6870.52	22	0.00	0.00	0.00	0.00	0.00	0.00
23	15.62	0.00	0.00	0.00	5.28	6880.86	23	15.62	0.00	0.00	0.00	5.28	6880.86	23	0.00	0.00	0.00	0.00	0.00	0.00
24	10.29	0.00	0.00	0.00	4.26	6886.89	24	10.29	0.00	0.00	0.00	4.26	6886.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	10.67	0.00	0.00	0.00	4.56	6893.00	25	10.67	0.00	0.00	0.00	4.56	6893.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.53	0.00	0.00	0.00	7.94	6893.59	26	8.53	0.00	0.00	0.00	7.94	6893.59	26	0.00	0.00	0.00	0.00	0.00	0.00
27	7.08	0.00	0.00	0.00	6.47	6894.20	27	7.08	0.00	0.00	0.00	6.47	6894.20	27	0.00	0.00	0.00	0.00	0.00	0.00
28	7.38	0.00	0.00	0.00	5.01	6896.57	28	7.38	0.00	0.00	0.00	5.01	6896.57	28	0.00	0.00	0.00	0.00	0.00	0.00
29																				







## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 17, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for September 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of September 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 during all of the days in September. 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 during all of the days in September.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

During the month of September, 2015 the Highland Canal conveyed 66.93 acre-feet of inflows to the Offset account.

As of September 30, 2015, a total of 6802.83 acre-feet was 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,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with the first name "Steven" and last name "Witte" clearly legible.

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**September 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	1179.96	518.00
2	BOOTH ORCHARD	42.00	21.97
3	EXCELSIOR	132.33	71.18
4	COLLIER	100.16	36.06
5	COLORADO	522.30	290.38
6	ROCKY FORD HIGHLINE	655.44	242.39
7	OXFORD	342.39	140.40
8	OTERO	37.51	13.77
9	CATLIN	892.33	604.40
10	FORT LYON US	902.01	353.62
11	ROCKY FORD	121.12	88.98
12	HOLBROOK	572.09	407.67
13	LAS ANIMAS CONSOLIDATED	75.41	34.28
14	BALDWIN-STUBBS	39.50	26.39
15	FORT BENT	195.23	137.91
16	KEESEE	0.00	0.00
17	AMITY	1167.36	601.25
18	LAMAR/MANVEL	1228.99	962.38
19	HYDE	200.00	118.62
20	FORT LYON DS	872.55	465.64
21	XY GRAHAM	1358.92	948.76
22	BUFFALO	185.16	66.65
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	1431.42	1072.31
601	LAWMA A.P.D.	0.82	0.30
602	LAWMA A.P.D.	20.51	15.39
	Totals	12275.51	7238.70

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**September 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
18.95	33.82	0.00	580.31	119.69	163.77	455.13	276.25	66.65	0.00	379.65	2094.22

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**September 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from August, 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		21.95	44.59	187.07	183.07	85.23	107.49	237.86	1037.94	16.95	1922.64	
Depletion to Usable SL Flow		17.98	36.52	153.62	149.93	69.81	88.03	194.81	850.07	13.88	1574.64	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	10.74	11.00	31.50	16.59						69.84	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				1510.45						1510.45	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00											0.00
LAWMA-Manvel Direct Flow	0.00											0.00
Offset Account Release Credit*	38314.02									0.00	0.00	38314.02
Offset Account Transit Loss	0.00											0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	10.74	11.00	31.50	1527.04	0.00	0.00	0.00	0.00	0.00	1580.29	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for September 2015

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
						6913.06							0.00							0.00
1	6.41	0.00	0.00	0.00	6.67	6912.80	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	3.56	0.00	0.00	0.00	5.65	6910.71	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	1.93	0.00	0.00	0.00	7.00	6905.64	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.92	0.00	0.00	0.00	6.86	6899.70	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.26	0.00	0.00	0.00	6.87	6893.09	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.15	0.00	0.00	0.00	6.89	6886.35	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.13	0.00	0.00	0.00	6.76	6879.72	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.14	0.00	0.00	0.00	6.32	6873.54	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.16	0.00	0.00	0.00	6.34	6867.36	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.12	0.00	0.00	0.00	6.95	6860.53	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.14	0.00	0.00	0.00	5.76	6854.91	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.16	0.00	0.00	0.00	5.78	6849.29	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.15	0.00	0.00	0.00	5.94	6843.50	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.14	0.00	0.00	0.00	7.63	6836.01	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.14	0.00	0.00	0.00	4.13	6832.02	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.14	0.00	0.00	0.00	4.14	6828.02	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.15	0.00	0.00	0.00	8.47	6819.70	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.15	0.00	0.00	0.00	6.02	6813.83	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.06	0.00	0.00	0.00	6.19	6807.70	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.09	0.00	0.00	0.00	6.21	6801.58	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.11	0.00	0.00	0.00	6.84	6794.85	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.10	0.00	0.00	0.00	8.10	6786.85	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.12	0.00	0.00	0.00	4.22	6782.75	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	4.17	0.00	0.00	0.00	5.93	6780.99	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	22.29	0.00	0.00	0.00	4.52	6798.76	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.23	0.00	0.00	0.00	4.56	6802.43	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	5.72	0.00	0.00	0.00	4.57	6803.58	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	5.26	0.00	0.00	0.00	5.20	6803.64	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	3.59	0.00	0.00	0.00	3.16	6804.07	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	2.24	0.00	0.00	0.00	3.48	6802.83	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
66.93	0.00	0.00	0.00	0.00	177.16		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	

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
						6912.96							6912.96							0.00
1	6.41	0.00	0.00	0.00	6.67	6912.70	1	6.41	0.00	0.00	0.00	6.67	6912.70	1	0.00	0.00	0.00	0.00	0.00	0.00
2	3.56	0.00	0.00	0.00	5.65	6910.61	2	3.56	0.00	0.00	0.00	5.65	6910.61	2	0.00	0.00	0.00	0.00	0.00	0.00
3	1.93	0.00	0.00	0.00	7.00	6905.54	3	1.93	0.00	0.00	0.00	7.00	6905.54	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.92	0.00	0.00	0.00	6.86	6899.60	4	0.92	0.00	0.00	0.00	6.86	6899.60	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.26	0.00	0.00	0.00	6.87	6892.99	5	0.26	0.00	0.00	0.00	6.87	6892.99	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.15	0.00	0.00	0.00	6.89	6886.25	6	0.15	0.00	0.00	0.00	6.89	6886.25	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.13	0.00	0.00	0.00	6.76	6879.62	7	0.13	0.00	0.00	0.00	6.76	6879.62	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.14	0.00	0.00	0.00	6.32	6873.44	8	0.14	0.00	0.00	0.00	6.32	6873.44	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.16	0.00	0.00	0.00	6.34	6867.26	9	0.16	0.00	0.00	0.00	6.34	6867.26	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.12	0.00	0.00	0.00	6.95	6860.43	10	0.12	0.00	0.00	0.00	6.95	6860.43	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.14	0.00	0.00	0.00	5.76	6854.81	11	0.14	0.00	0.00	0.00	5.76	6854.81	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.16	0.00	0.00	0.00	5.78	6849.19	12	0.16	0.00	0.00	0.00	5.78	6849.19	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.15	0.00	0.00	0.00	5.94	6843.40	13	0.15	0.00	0.00	0.00	5.94	6843.40	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.14	0.00	0.00	0.00	7.63	6835.91	14	0.14	0.00	0.00	0.00	7.63	6835.91	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.14	0.00	0.00	0.00	4.13	6831.92	15	0.14	0.00	0.00	0.00	4.13	6831.92	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.14	0.00	0.00	0.00	4.14	6827.92	16	0.14	0.00	0.00	0.00	4.14	6827.92	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.15	0.00	0.00	0.00	8.47	6819.60	17	0.15	0.00	0.00	0.00	8.47	6819.60	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.15	0.00	0.00	0.00	6.02	6813.73	18	0.15	0.00	0.00	0.00	6.02	6813.73	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.06	0.00	0.00	0.00	6.19	6807.60	19	0.06	0.00	0.00	0.00	6.19	6807.60	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.09	0.00	0.00	0.00	6.21	6801.48	20	0.09	0.00	0.00	0.00	6.21	6801.48	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.11	0.00	0.00	0.00	6.84	6794.75	21	0.11	0.00	0.00	0.00	6.84	6794.75	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.10	0.00	0.00	0.00	8.10	6786.75	22	0.10	0.00	0.00	0.00	8.10	6786.75	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.12	0.00	0.00	0.00	4.22	6782.65	23	0.12	0.00	0.00	0.00	4.22	6782.65	23	0.00	0.00	0.00	0.00	0.00	0.00
24	4.17	0.00	0.00	0.00	5.93	6780.89	24	4.17	0.00	0.00	0.00	5.93	6780.89	24	0.00	0.00	0.00	0.00	0.00	0.00
25	22.29	0.00	0.00	0.00	4.52	6798.66	25	22.29	0.00	0.00	0.00	4.52	6798.66	25	0.00	0.00	0.00	0.00	0.00	0.00
26	8.23	0.00	0.00	0.00	4.56	6802.33	26	8.23	0.00	0.00	0.00	4.56	6802.33	26	0.00	0.00	0.00	0.00	0.00	0.00
27	5.72	0.00	0.00	0.00	4.57	6803.48	27	5.72	0.00	0.00	0.00	4.57	6803.48	27	0.00	0.00	0.00	0.00	0.00	0.00
28	5.26	0.00	0.00	0.00	5.20	6803.54	28	5.26	0.00	0.00	0.00	5.20	6803.54	28	0.00	0.00	0.00	0.00	0.00	0.00
29	3.59	0.00	0.00	0.00	3.16	6803.97	29	3.59	0.00	0.00	0.00	3.16	6803.97	29	0.00	0.00	0.00	0.00	0.00	0.00
30	2.24	0.00	0.00	0.00	3.48															







## DIVISION OF WATER RESOURCES

John W. Hickenlooper  
Governor

Mike King  
Executive Director

Dick Wolfe, P.E.  
Director/State Engineer

Steven J. Witte, P.E.  
Division Engineer

November 30, 2015

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

Ms. Stephanie Gonzales  
Recording Secretary  
Arkansas River Compact Administration  
P.O. Box 1106  
Lamar, CO 81052

RE: Monthly Report of Colorado Pumping and Offset Account Operations for October 2015

Dear Mr. Barfield and Ms. Gonzales:

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, 2015.

Table 1 shows the amount of pumping during the month of October 2015 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 replacement of depletions caused by pumping approved pursuant to the Rules that occurred above John Martin Reservoir has been detailed in the accounting previously 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 were made to replace out-of-priority depletions 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 52% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during all of the days in October. Also note that in Reaches 14, 15, and 16, replacements to senior surface water rights in Colorado replaced 32% of the stream depletions caused by pumping affecting those reaches since there was a call by a Colorado surface water right in those reaches during all of the days in October.

The remaining depletions shown in Table 3 are the estimated stream depletions caused by irrigation pumping in excess of the pre-Compact entitlements remaining after replacements were made to senior surface water rights in Colorado. Table 3 also shows the estimated depletions to usable Stateline flow, which were calculated using the assumptions in paragraph 5.B of the Resolution, and the replacements to Stateline flows, which were made during the month.

During the month of October, 2015 the Highland Canal conveyed 3.71 acre-feet of inflows to the Offset account.

As of October 31, 2015, a total of 6682.89 acre-feet was 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,

A handwritten signature in black ink, appearing to read "Steven J. Witte". The signature is fluid and cursive, with the first name "Steven" and last name "Witte" clearly distinguishable.

Steven J. Witte  
Division Engineer  
Colorado Division of Water Resources

cc: Kevin Salter  
Dale Book  
Dan Steuer  
Randy Hendrix  
Bill Tyner  
Charlie DiDomenico

**TABLE 1**  
**Pumping By Rule 3 Irrigation Wells**  
**October 2015**

USER NO.	DITCH NAME	AF PUMPED WELLHEAD DEPL	
1	BESSEMER	485.79	214.39
2	BOOTH ORCHARD	22.30	15.49
3	EXCELSIOR	121.21	82.84
4	COLLIER	0.00	0.00
5	COLORADO	105.75	68.69
6	ROCKY FORD HIGHLINE	260.16	99.90
7	OXFORD	212.41	79.10
8	OTERO	50.51	18.22
9	CATLIN	348.02	151.15
10	FORT LYON US	247.88	104.95
11	ROCKY FORD	57.53	53.96
12	HOLBROOK	271.26	130.61
13	LAS ANIMAS CONSOLIDATED	61.79	32.68
14	BALDWIN-STUBBS	242.25	173.64
15	FORT BENT	168.04	95.29
16	KEESEEE	0.00	0.00
17	AMITY	269.04	163.52
18	LAMAR/MANVEL	311.56	232.88
19	HYDE	42.03	24.40
20	FORT LYON DS	278.61	165.73
21	XY GRAHAM	157.72	101.72
22	BUFFALO	0.19	0.07
23	SISSON	0.00	0.00
24	STATELINE SOLE SOURCE	559.28	418.82
601	LAWMA A.P.D.	33.16	11.93
602	LAWMA A.P.D.	20.51	15.39
	Totals	4327.00	2455.37

**TABLE 2**  
**Wellhead Depletions from Irrigation Wells below John Martin Reservoir (Acre-Feet)**  
**(Reduced By Pre-Compact Entitlements)**  
**October 2015**

<b>USER NUMBER</b>											
<b>10</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>Total</b>
0.00	32.08	0.00	158.84	79.67	24.40	156.79	33.86	0.07	0.00	346.47	832.18

**TABLE 3**  
**Remaining Depletions to Usable Stateline Flow (Acre-Feet)**  
**October 2015**

<b>REACH NUMBER</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>21</b>	<b>Sum</b>	
Balance Forward from September, 2015		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Remaining Depletion		10.29	20.70	85.24	119.05	59.15	73.15	224.10	852.43	27.37	1471.47	
Depletion to Usable SL Flow		8.43	16.95	69.81	97.50	48.44	59.91	183.54	698.14	22.42	1205.13	
Replacements	Carry Forward Credit											Credit to Next Month
FRY-ARK Return Flows	0.00	10.82	6.88	22.79	11.83						52.33	0.00
PBWW TM & AG Return Flows	0.00	0.00	0.00	0.00	0.00						0.00	0.00
CO Beef - Lamar Center Farm	0.00				0.00						0.00	0.00
DOW - Lamar Center Farm	0.00				426.46						426.46	0.00
Lamar Granada Aug Stations	0.00							449.73			449.73	0.00
LAWMA-Ft Bent Ditch Shares	0.00				0.00						0.00	0.00
LAWMA-Stubbs Direct Flow	0.00								0.00		0.00	0.00
LAWMA-XY Direct Flow	0.00					0.00					0.00	0.00
LAWMA-Manvel Direct Flow	0.00					0.00					0.00	0.00
Offset Account Release Credit*	38035.90									278.12	278.12	38035.90
Offset Account Transit Loss	0.00											0.00
Offset Account Water	0.00	0.00									0.00	0.00
Total Replacements	0.00	10.82	6.88	22.79	438.29	0.00	0.00	449.73	0.00	278.12	1206.64	
Depletions Carried Forward	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\* Note that 0.0 acre-feet of the Offset Account release credit was applied to depletions from LAWMA's decreed augmentation plan and SWSP's as part of the Offset Account Release Credit total replacement.

Enclosure 1

John Martin Offset Accounting for October 2015

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
						6802.83							0.00							0.00
1	1.18	0.00	0.00	0.00	5.86	6798.15	1	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.58	0.00	0.00	0.00	5.50	6793.23	2	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.77	0.00	0.00	0.00	4.75	6789.25	3	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.74	0.00	0.00	0.00	4.92	6785.07	4	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.44	0.00	0.00	0.00	1.43	6784.08	5	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	3.50	6780.58	6	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.59	6778.99	7	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	6.05	6772.94	8	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	4.30	6768.64	9	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	4.31	6764.33	10	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	4.31	6760.02	11	0.00	0.00	0.00	0.00	0.00	0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	4.31	6755.71	12	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	4.00	6751.71	13	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	5.28	6746.43	14	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	5.92	6740.51	15	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	5.12	6735.39	16	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	5.13	6730.26	17	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	4.97	6725.29	18	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	6.58	6718.71	19	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	2.73	6715.98	20	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	2.89	6713.09	21	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.93	6711.16	22	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	3.38	6707.78	23	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	3.54	6704.24	24	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	3.53	6700.71	25	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	2.09	6698.62	26	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	6695.09	27	0.00	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	2.25	6692.84	28	0.00	0.00	0.00	0.00	0.00	0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	3.85	6688.99	29	0.00	0.00	0.00	0.00	0.00	0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	3.05	6685.94	30	0.00	0.00	0.00	0.00	0.00	0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	3.05	6682.89	31	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
	3.71	0.00	0.00	0.00	123.65			0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	

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
						6802.73							6802.73							0.00
1	1.18	0.00	0.00	0.00	5.86	6798.05	1	1.18	0.00	0.00	0.00	5.86	6798.05	1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.58	0.00	0.00	0.00	5.50	6793.13	2	0.58	0.00	0.00	0.00	5.50	6793.13	2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.77	0.00	0.00	0.00	4.75	6789.15	3	0.77	0.00	0.00	0.00	4.75	6789.15	3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.74	0.00	0.00	0.00	4.92	6784.97	4	0.74	0.00	0.00	0.00	4.92	6784.97	4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.44	0.00	0.00	0.00	1.43	6783.98	5	0.44	0.00	0.00	0.00	1.43	6783.98	5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	3.50	6780.48	6	0.00	0.00	0.00	0.00	3.50	6780.48	6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	1.59	6778.89	7	0.00	0.00	0.00	0.00	1.59	6778.89	7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	6.05	6772.84	8	0.00	0.00	0.00	0.00	6.05	6772.84	8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	4.30	6768.54	9	0.00	0.00	0.00	0.00	4.30	6768.54	9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	4.31	6764.23	10	0.00	0.00	0.00	0.00	4.31	6764.23	10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	4.31	6759.92	11	0.00	0.00	0.00	0.00	4.31	6759.92	11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	4.31	6755.61	12	0.00	0.00	0.00	0.00	4.31	6755.61	12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	4.00	6751.61	13	0.00	0.00	0.00	0.00	4.00	6751.61	13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	5.28	6746.33	14	0.00	0.00	0.00	0.00	5.28	6746.33	14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	5.92	6740.41	15	0.00	0.00	0.00	0.00	5.92	6740.41	15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	5.12	6735.29	16	0.00	0.00	0.00	0.00	5.12	6735.29	16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	5.13	6730.16	17	0.00	0.00	0.00	0.00	5.13	6730.16	17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	4.97	6725.19	18	0.00	0.00	0.00	0.00	4.97	6725.19	18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	6.58	6718.61	19	0.00	0.00	0.00	0.00	6.58	6718.61	19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	2.73	6715.88	20	0.00	0.00	0.00	0.00	2.73	6715.88	20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	2.89	6712.99	21	0.00	0.00	0.00	0.00	2.89	6712.99	21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	1.93	6711.06	22	0.00	0.00	0.00	0.00	1.93	6711.06	22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	3.38	6707.68	23	0.00	0.00	0.00	0.00	3.38	6707.68	23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	3.54	6704.14	24	0.00	0.00	0.00	0.00	3.54	6704.14	24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	3.53	6700.61	25	0.00	0.00	0.00	0.00	3.53	6700.61	25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	2.09	6698.52	26	0.00	0.00	0.00	0.00	2.09	6698.52	26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	3.53	6694.99	27	0.00	0.00	0.00	0.00	3.53	6694.99	27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	2.25	6692.74	28	0.00	0.00	0.00	0.00	2.25	6692.74	28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	3.85	6688.89	29	0.00	0.00	0.00	0.00									

